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Product Specifications Reference

LEAKED

Version 459, September 2014

® desktops

Version 459, September 2014

ThinkCentre® Desktops

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Summary of Changes

This section describes the technical changes made in this edition.

This edition might also include minor corrections and editorial changes which are not identified.

September 9, 2014 - Version 459

Additions in this update

► New product(s)

ThinkCentre M53 Tiny announced August 2014 (G-MSL1-P, G-MSL1-Spec, G-MSL1-1)

ThinkCentre M32 Thin Client

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Lenovo ThinkCentre M32 Thin Client
with Lenovo ThinkVision Monitor



Lenovo ThinkCentre M32 Thin Client



Lenovo ThinkCentre M32 Thin Client



Lenovo ThinkCentre M32 Thin Client



Lenovo ThinkCentre M32 Thin Client
(inside view)



Lenovo ThinkCentre M32 Thin Client

ThinkCentre M32 (10BV) - Thin Client (TopSeller) - 3-year onsite

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ⁸	Flash Memory	Optical	Graphics	DP to DVI dongle	Floor stand	Key-board/ Mouse	ENERGY STAR 6.0	Global (G) GMP (P)	OS preload	Ann date (mm/dd/yy)
10BV000C++	Celeron 847	2GBx1	8G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	ES6.0	None	WES 7	12/10/13
10BV000G++	Celeron 847	2GBx1	1G DOM Card	None	Intel HD Graphics	None	Floor stand	USB	None	None	LeTOS	12/10/13

Country Code "++" : AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

- Small and medium business (SMB) model(s), part of the Westen Europe TopSeller™ Program
- 3-year limited warranty

Positioning	Mainstream Thin Client with better security and manageability for the enterprise		Preloaded operating system
Processor	Intel® Celeron® Processor 847 (2 cores / 2 threads, 1.1GHz, 2MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology		<i>Some:</i> Genuine Windows® Embedded Standard 7 (WES 7)
Memory	4GB max, PC3-12800 1600MHz DDR3* , one 204-pin SODIMM socket (notebook) * System automatically clocks down for processors with 1333MHz DDR3 memory controller		<i>Some:</i> LeTOS (Lenovo Terminal Operating System, Linux-based)
Graphics	Intel HD Graphics in processor, uses main memory, DirectX® 10.1, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 2560x2048 (DisplayPort)@60Hz; 2560x1600 (VGA)@60Hz Optional DisplayPort to Single-link DVI-D dongle		Preloaded applications (only some listed)
DP dongle			- WES 7 only:
Flash Memory	1GB (LeTOS models) or 8GB (WES 7 models) / DOM (Disk On Module) Card		<ul style="list-style-type: none">● Intel Management Engine Components● RDP Client● Citrix Client● VMware Client● Internet Explorer 9● Java● Flash● .Net Framework● Microsoft® Silverlight● Echo Agent● Ultra VNC● Adobe Reader● Intel Manageability Engine Firmware Recovery Agent
Optical	None		- LeTOS only:
SATA controller	Serial ATA, SATA 3.0Gb/s support, integrated in chipset		<ul style="list-style-type: none">● xFreeRDP● Citrix ICA Client● VMware View Client● Java● Mozilla Firefox● NX NoMachine Client● X11 Client● VDI-In-A-Box Java Client● AnyConnect VPN Client
Onboard SATA	one SATA 3.0Gb/s connector for DOM Card		Network-based Thin Client Management Tool - Lenovo Thin Client Manager (LTM)* *A license is included with the purchase of M32 and the utility is downloadable from website
eSATA port	None		Security
Chipset	Mobile Intel NM70 Express Chipset		<ul style="list-style-type: none">● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)● Power-on password● Administrator password● Boot sequence control● Boot without keyboard and mouse● Individual USB port disablement● Serial port and parallel port disablement
Front ports	Four USB 2.0, microphone (3.5mm), headphone (3.5mm)		EPEAT™ Gold rating (WES models)
Rear ports	Two USB 2.0, ethernet (RJ-45), two PS/2 ports (keyboard and mouse), one parallel, four serial ports (Customizable Pin definition for serial port 2, 3, and 4), one VGA, one DisplayPort		ENERGY STAR® 6.0 (WES models)
PCIe Mini Card	None		GREENGUARD® certified
PCIe WLAN	None		RoHS-compliant
Bluetooth	None		WEEE
Audio	High Definition (HD) Audio, Realtek® ALC662-VD codec		REACH
Speaker	None		VMware Ready Certification
IEEE 1394	None		Citrix Ready/HDX Ready Certification
Ethernet	One gigabit ethernet port, Realtek RTL8111F, Wake on LAN®		MS RemoteFX Certification (WES models)
Intel AMT	None		
Modem	None		
Security chip	None		
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Floor Stand	System floor stand for vertical orientation		
VESA mount	Supports VESA 100mm mount standard		
Power supply	65 watts adapter, autosensing 100-240V, 85% PSU		
Machine	<ul style="list-style-type: none">● Business black color; USFF (2L)● Fan-less, Cable-less Design● (Without stand) 2.2" W X 6.7" D X 8.7" H● (Without stand) 55mm W X 170mm D X 220mm H● (Without stand) 3.3 lb (1.48 kg) in maximum configuration		
Protocols	Citrix:	ICA, HDX (compatible with XenDesktop and XenApp)	
	Microsoft:	RDP, RemoteFX (WES 7 models only), RDS	
	VMWare:	VMware Horizon View through RDP VMware Horizon View through PCoIP	
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		

See footnotes for important warranty information
WE model(s) announced December 10, 2013

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(G-CLVL1-2) December 2013

ThinkCentre M32 (10BM) - Thin Client (GMP)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Flash Memory	Optical	Graphics	DP to DVI dongle	Floor stand	Key-board/ Mouse	ENERGY STAR 6.0	Global (G) GMP (P)	OS preload	Ann date (mm/dd/yy)
10BM0009++	Celeron 807	2GBx1	1G DOM Card	None	Intel HD Graphics	DP to DVI	Floor stand	USB	None	G P	LeTOS	09/03/13
10BM000A++	Celeron 807	2GBx1	8G DOM Card	None	Intel HD Graphics	DP to DVI	Floor stand	USB	ES6.0	G P	WES 7	09/03/13
10BM000B++	Celeron 807	4GBx1	8G DOM Card	None	Intel HD Graphics	DP to DVI	Floor stand	USB	ES6.0	G P	WES 7	09/03/13
10BM0017++	Celeron 847	2GBx1	1G DOM Card	None	Intel HD Graphics	DP to DVI	Floor stand	USB	None	G P	LeTOS	12/24/13
10BM0018++	Celeron 847	2GBx1	8G DOM Card	None	Intel HD Graphics	DP to DVI	Floor stand	USB	ES6.0	G P	WES 7	12/24/13
10BM0019++	Celeron 847	4GBx1	8G DOM Card	None	Intel HD Graphics	DP to DVI	Floor stand	USB	ES6.0	G P	WES 7	12/24/13

Country Code "++": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

- Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty
- 3-year limited warranty

Positioning	Mainstream Thin Client with better security and manageability for the enterprise		Preloaded operating system
Processor	Intel® Celeron® Processor 807 (1 cores / 2 threads, 1.5GHz, 1.5MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Celeron Processor 847 (2 cores / 2 threads, 1.1GHz, 2MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology		<i>Some:</i> Genuine Windows® Embedded Standard 7 (WES 7) <i>Some:</i> LeTOS (Lenovo Terminal Operating System, Linux-based)
Memory	4GB max, PC3-12800 1600MHz DDR3* , one 204-pin SODIMM socket (notebook) * System automatically clocks down for processors with 1333MHz DDR3 memory controller		Preloaded applications (only some listed) - WES 7 only: <ul style="list-style-type: none">● Intel Management Engine Components● RDP Client● Citrix Client● VMware Client● Internet Explorer 9● Java● Flash● .Net Framework● Microsoft® Silverlight● Echo Agent● Ultra VNC● Adobe Reader● Intel Manageability Engine Firmware Recovery Agent
Graphics	Intel HD Graphics in processor, uses main memory, DirectX® 10.1, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 2560x2048 (DisplayPort) @60Hz; 2560x1600 (VGA) @60Hz Optional DisplayPort to Single-link DVI-D dongle		- LeTOS only: <ul style="list-style-type: none">● xFreeRDP● Citrix ICA Client● VMware View Client● Java● Mozilla Firefox● NX NoMachine Client● X11 Client● VDI-In-A-Box Java Client● AnyConnect VPN Client Network-based Thin Client Management Tool - Lenovo Thin Client Manager (LTM)* *A license is included with the purchase of M32 and the utility is downloadable from website
DP dongle			
Flash Memory	1GB (LeTOS models) or 8GB (WES 7 models) / DOM (Disk On Module) Card		
Optical	None		
SATA controller	Serial ATA, SATA 3.0Gb/s support, integrated in chipset		
Onboard SATA	one SATA 3.0Gb/s connector for DOM Card		
eSATA port	None		
Chipset	Mobile Intel NM70 Express Chipset		
Front ports	Four USB 2.0, microphone (3.5mm), headphone (3.5mm)		
Rear ports	Two USB 2.0, ethernet (RJ-45), two PS/2 ports (keyboard and mouse), one parallel, four serial ports (Customizable Pin definition for serial port 2, 3, and 4), one VGA, one DisplayPort		
PCIe Mini Card	None		
PCIe WLAN	None		
Bluetooth	None		
Audio	High Definition (HD) Audio, Realtek® ALC662-VD codec		
Speaker	None		
IEEE 1394	None		
Ethernet	One gigabit ethernet port, Realtek RTL8111F, Wake on LAN®		
Intel AMT	None		
Modem	None		
Security chip	None		
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Floor Stand	System floor stand for vertical orientation		
VESA mount	Supports VESA 100mm mount standard		
Power supply	65 watts adapter, autosensing 100-240V, 85% PSU		
Machine	<ul style="list-style-type: none">● Business black color; USFF (2L)● Fan-less, Cable-less Design● (Without stand) 2.2" W X 6.7" D X 8.7" H● (Without stand) 55mm W X 170mm D X 220mm H● (Without stand) 3.3 lb (1.48 kg) in maximum configuration		
Protocols	Citrix: Microsoft: VMWare:	ICA, HDX (compatible with XenDesktop and XenApp) RDP, RemoteFX (WES 7 models only), RDS VMware Horizon View through RDP VMware Horizon View through PCoIP	EPEAT™ Gold rating (WES models) ENERGY STAR® 6.0 (WES models) GREENGUARD® certified RoHS-compliant WEEE REACH
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		VMWare Ready Certification Citrix Ready/HDX Ready Certification MS RemoteFX Certification (WES models)

See footnotes for important warranty information

WE model(s) announced September 3, 2013 or December 24, 2013

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(G-CLVL1-1) January 2014



ThinkCentre M53 Tiny with optional floor stand, wireless keyboard/mouse, and monitor



ThinkCentre M53 Tiny with optional floor stand



ThinkCentre M53 Tiny with optional VESA mount kit



ThinkCentre M53 Tiny with optional optical box



ThinkCentre M53 Tiny with optional I/O box



ThinkCentre M53 Tiny

ThinkCentre M53 Tiny Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron® Processor J1000 Series* for Desktop or Intel Pentium® Processor J2000 Series* for Desktop						Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), Lenovo logo <i>Some:</i> Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo <i>Some:</i> Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black <i>Some:</i> Enhanced Optical USB Mouse, black, Lenovo logo <i>Some:</i> Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black	
	Processor	Cores / Threads	Frequency (Max/Base)	Cache	Memory Types	Integrated Graphics	Mouse		
	Celeron J1800	2 / 2	2.58 / 2.41 GHz	1MB	DDR3L-1333	Intel HD			
	Pentium J2900	4 / 4	2.58 / 2.41 GHz	2MB	DDR3L-1333	Intel HD			
	* System-on-Chip (SoC) solution, integrates Intel processor core, Graphics, Memory Controller, and I/O interfaces						Mechanical	<ul style="list-style-type: none"> Tiny (1L), business black color; metal case M53 Tiny only: 7.0" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 2.9 lb (1.3 kg), weight may vary by configuration With VESA mount & optical box: 7.2" W X 7.2" D X 2.55" H 184mm W X 182mm D X 65mm H 4.6 lb (2.1 kg), weight may vary by configuration Optional VESA mount bracket kit, supports VESA 75mm and 100mm Optional system floor stand for vertical orientation 	
Memory	8GB max / DDR3 Low Voltage, DDR3L-1600*, non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller						VESA mount		
Disk	<i>Some:</i> SATA 3.0Gb/s, 2.5" Wide, 5400 or 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 3.0Gb/s, 2.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" Wide <i>Some:</i> external optical box with slim DVD-ROM, 12.7mm high, tray-in, via USB <i>Some:</i> external optical box with slim DVD±RW, 12.7mm high, tray-in, via USB						Floor Stand		
Optical	SATA 3.0Gb/s controller, one connectors on planar						Power supply	65 watts AC/DC adapter, autosensing, 88% PSU	
Onboard SATA Media reader	None						Limited warranty ³	<i>Some:</i> 3-years, limited onsite service / service upgrades available <i>Some:</i> 3-years, limited onsite service, IWS (International Warranty Service ⁹) / service upgrades available <i>For Lenovo service upgrade options, please go to S-TC sheet</i>	
Graphics	Intel HD Graphics in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz Optional DisplayPort to DVI-D or DisplayPort to HDMI monitor cable						Preload	<i>Some:</i> Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit <i>Some:</i> Windows 7 Professional 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none"> Rescue and Recovery™ Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none"> ThinkVantage® Product Recovery ThinkVantage System Update ThinkVantage Communication Utility ThinkVantage Device Experience Desktop Power Manager View Management Utility Lenovo Solution Center Lenovo Message Center Plus Lenovo SHAREit Norton™ Internet Security (30 days of virus definitions) Adobe® Reader® Skype™ Microsoft Office preloaded; purchase a product key to activate Cyberlink Power2Go (DVD±RW) Cyberlink PowerProducer (DVD±RW) Evernote® Nitro Pro 	
DP cable	Optional DisplayPort to DVI-D or DisplayPort to HDMI monitor cable							<i>Some:</i> Windows 8.1 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit Web install applications (only some listed) <ul style="list-style-type: none"> Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none"> ThinkVantage System Update Desktop Power Manager Lenovo Solution Center Lenovo Support Lenovo Companion Lenovo SHAREit Lenovo Reach Norton Internet Security (30 days of virus definitions) Skype™ Microsoft Office preloaded; purchase a product key to activate Cyberlink PowerDVD (DVD±RW, DVD) Cyberlink Power2Go (DVD±RW) Cyberlink PowerProducer (DVD±RW) Evernote® Nitro Pro AccuWeather Norton™ Studio Pokki Hightail 	
Chipset	Intel System-on-Chip (SoC) platform								
Front ports	One USB 3.0 (Always On / Powered), one USB 2.0, one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)								
Rear ports	Three USB 2.0 (optional external optical box or external I/O box occupies one specific USB 2.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort, one optional port (USB 2.0 or serial on selected models)								
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 2.0 port								
Audio support	High Definition (HD) Audio, Realtek ALC283 / optional internal speaker (1.5 watt)								
WLAN ¹³	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8723BE, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8192EE, Wi-Fi + Bluetooth 4.0 combo adapter, 2x2 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2								
Bluetooth™	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								
Ethernet	One gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®								
Modem	None								
Manageability	None								
Security chip	None								
Security features	<ul style="list-style-type: none"> Security slot (in rear for optional Kensington® MicroSaver® cable) Smart USB protection, allows keyboard/mouse only, blocks all storage devices Power-on password Administrator password 							<ul style="list-style-type: none"> Hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Optional <i>Chassis intrusion switch</i> 	
							Environment	ENERGY STAR® 6.0 (for Windows models only); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3	
							Accessories	For compatible accessories, please go to TC-AQP sheet	

See footnotes for more detailed information

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(G-MSL1-Spec) September 2014

ThinkCentre M53 Tiny (10DC) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Graphics	Storage	External optical / I/O box	WLAN	Optional port	DP Cable	Chassis intrusion switch	Floor Stand	VESA mount	Keyboard/ Mouse	Internal Speaker	Preload	Base Warranty (year)	Global	Ann Date (mm/yy)
10DC0005++	Pentium J2900	4GBx1	Intel HD	500G 5400	None	8723BE	None	None	None	None	Mount	USB	Speaker	Win7 P64 DG Win8.1	3-onsite	No	08/14

Country Code"++": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

- For detailed platform specifications, please see [ThinkCentre M53 Tiny Platform Specifications sheet](#)

Processor	Intel® Celeron® Processor J1000 Series* for Desktop or Intel Pentium® Processor J2000 Series* for Desktop						Manageability	None
							Security chip	None
	Processor	Cores / Threads	Frequency (Max/Base)	Cache	Memory Types	Integrated Graphics	Security features	<ul style="list-style-type: none">Security slot (in rear for optional Kensington® MicroSaver® cable)Smart USB protection, allows keyboard/ mouse only, blocks all storage devicesPower-on passwordAdministrator password <ul style="list-style-type: none">Hard disk passwordBoot sequence controlBoot without keyboard and mouseIndividual USB port disablementOptional <i>Chassis intrusion switch</i>
	Celeron J1800	2 / 2	2.58 / 2.41 GHz	1MB	DDR3L-1333	Intel HD		
	Pentium J2900	4 / 4	2.58 / 2.41 GHz	2MB	DDR3L-1333	Intel HD		
	* System-on-Chip (SoC) solution, integrates Intel processor core, Graphics, Memory Controller, and I/O interfaces							
Memory	8GB max / DDR3 Low Voltage, DDR3L-1600*, non-parity, one 204-pin SO-DIMM socket * System automatically clocks down for processors with 1333MHz DDR3 memory controller						Keyboard	<i>USB:</i> Preferred Pro USB Keyboard (USB connector), Lenovo logo <i>USB(Slim):</i> Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo <i>2.4G:</i> Ultrasmil Plus Wireless Keyboard (2.4GHz via USB receiver), black
Disk	<i>Some:</i> SATA 3.0Gb/s, 2.5" Wide, 5400 or 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 3.0Gb/s, 2.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" Wide						Mouse	<i>USB:</i> Enhanced Optical USB Mouse, black, Lenovo logo <i>2.4G:</i> Ultrasmil Plus Wireless Mouse (2.4GHz via USB receiver), black
Optical	<i>Some:</i> external optical box with slim DVD-ROM, 12.7mm high, tray-in, via USB <i>Some:</i> external optical box with slim DVD±RW, 12.7mm high, tray-in, via USB						Mechanical	<ul style="list-style-type: none">Tiny (1L), business black color; metal caseM53 Tiny only: 7.0" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 2.9 lb (1.3 kg), weight may vary by configurationWith VESA mount & optical box: 7.2" W X 7.2" D X 2.55" H 184mm W X 182mm D X 65mm H 4.6 lb (2.1 kg), weight may vary by configuration
Onboard SATA Media reader	SATA 3.0Gb/s controller, one connectors on planar None						VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm
Graphics	Intel HD Graphics in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz						Floor Stand	Optional system floor stand for vertical orientation
DP cable	Optional DisplayPort to DVI-D or DisplayPort to HDMI monitor cable						Power supply	65 watts AC/DC adapter, autosensing, 88% PSU
Chipset	Intel System-on-Chip (SoC) platform						Limited warranty ³	<i>Some:</i> 3-years, limited onsite service / service upgrades available <i>Some:</i> 3-years, limited onsite service, IWS (International Warranty Service ⁹) / service upgrades available <i>For Lenovo service upgrade options, please go to S-TC sheet</i>
Front ports	One USB 3.0 (Always On / Powered), one USB 2.0, one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)						Preload	<i>Some:</i> Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 <i>Some:</i> Windows 8.1 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit <i>Some:</i> Windows 8.1 with Bing 64-bit
Rear ports	Three USB 2.0 (optional external optical box or external I/O box occupies one specific USB 2.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort, one optional port (USB 2.0 or serial on selected models)						Environment	ENERGY STAR® 6.0 (for Windows models only); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 2.0 port						Accessories	For compatible accessories, please go to TC-AQP sheet
Audio support	High Definition (HD) Audio, Realtek ALC283 / optional internal speaker (1.5 watt)							
WLAN ¹³	<i>Some:</i> 11b/g/n wireless, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1 <i>Some:</i> 11b/g/n wireless, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2 <i>Some:</i> 11b/g/n, Intel Centrino® Wireless-N 7260, Wi-Fi + BT combo							
Bluetooth™	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter							
Ethernet	One gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®							
Modem	None							

See footnotes for more detailed information

ThinkCentre M73 Tiny, Small, Mini Tower

ThinkCentre®



ThinkCentre M73 Tiny
with Optional WLAN



ThinkCentre M73 Tiny with
ThinkVision Monitor



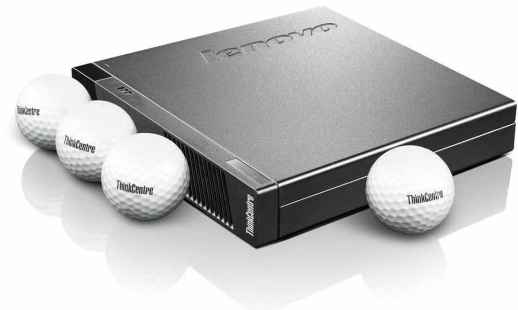
ThinkCentre M73 Tiny
with optional I/O Box



ThinkCentre M73 Tiny with
ThinkVision Monitor



ThinkCentre M73 Tiny with
optional External Optical Box



ThinkCentre M73 Tiny

ThinkCentre M73 Tiny, Small, Mini Tower II

ThinkCentre®



ThinkCentre M73 Small
and Mini Tower



ThinkCentre M73 Small
with ThinkVision Monitor



ThinkCentre M73 Small



ThinkCentre M73 Mini Tower
with ThinkVision Monitor



ThinkCentre M73 Mini Tower



ThinkCentre M73 Mini Tower

ThinkCentre M73 Tiny (10AY) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical / I/O box	Graphics	PCle Mini Card WLAN / BT	Optional port	Chassis intrusion switch	Floor stand	VESA mount	Keyboard / mouse	Preload	Ann date (mm/dd/yy)
10AY000A++	i3-4130T	4GBx1	500G Hybrid	DVD±RW	HD 4400	Intel 2230	None	Switch	None	Mount	USB	Win7 Pro64 (DG)	10/01/13
10AY000B++	i3-4130T	4GBx1	500G Hybrid	None	HD 4400	Intel 2230	None	Switch	Stand	None	USB	Win7 Pro64 (DG)	10/01/13
10AY000C++	G3220T	4GBx1	500G 7200	None	Intel HD	Intel 2230	None	Switch	Stand	None	USB	Win7 Pro64 (DG)	10/01/13
10AY000D++	G3220T	4GBx1	500G 7200	DVD±RW	Intel HD	Intel 2230	None	Switch	None	Mount	USB	Win7 Pro64 (DG)	10/01/13
10AY000E++	G3220T	4GBx1	500G 7200	None	Intel HD	Intel 2230	None	Switch	None	Mount	USB	Win7 Pro64 (DG)	10/01/13
10AY002R++	G3220T	4GBx1	500G 7200	None	Intel HD	Intel 2230	Serial	Switch	Stand	None	USB	Win7 Pro64 (DG)	12/10/13
10AY003S++	G3240T	4GBx1	500G 7200	None	Intel HD	7260 b/g/n	None	Switch	None	Mount	USB	Win7 P64 DG Win8.1	07/08/14
10AY003T++	G3240T	4GBx1	500G 7200	None	Intel HD	7260 b/g/n	Serial	Switch	Stand	None	USB	Win7 P64 DG Win8.1	07/08/14
10AY003U++	G3240T	4GBx1	500G 7200	None	Intel HD	7260 b/g/n	None	Switch	Stand	None	USB	Win7 P64 DG Win8.1	07/08/14
10AY003V++	i3-4150T	4GBx1	500G Hybrid	DVD±RW	HD 4400	7260 b/g/n	None	Switch	None	Mount	USB	Win7 P64 DG Win8.1	07/08/14
10AY003W++	i3-4150T	4GBx1	500G Hybrid	None	HD 4400	7260 b/g/n	None	Switch	Stand	None	USB	Win7 P64 DG Win8.1	07/08/14

Positioning Processor	<i>Essential business features, exceptional value</i> Intel® Pentium® G3220T Processor (2 cores / 2 threads, 2.6GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Pentium G3240T Processor (2 cores / 2 threads, 2.7GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i3-4130T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i3-4150T Processor (2 cores / 4 threads, 3.0GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller	Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Power Manager• View Management Utility• PC Device Stage• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Evernote®• Microsoft® Office preloaded; purchase a product key to activate• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Nitro Pro
Implementation	Processor in LGA1150 socket	
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook), <i>System automatically clocks down for processors with 1333MHz DDR3 memory controller</i>	
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports up to dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)</i>	
DP dongle	None	
Disk	<i>Some:</i> SATA 6.0Gb/s, 2.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide	
External optical	<i>Some:</i> Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in, via USB 2.0	
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset	
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar	
eSATA port	None	
Chipset	Intel H81 Express Chipset	
Front ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)	
Rear ports	Three USB 2.0 (optional external optical box or external I/O box occupies one specific USB 2.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial on selected models)	
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 2.0 port	
PCle Mini Card	One PCI Express® Mini Card slot	
PCle WLAN	<i>Some:</i> 11b/g/n wireless, PCle Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11b/g/n wireless, PCle Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2	
Bluetooth	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Audio	High Definition (HD) Audio, Realtek® ALC283 codec	
Speaker	Internal speaker for business audio (1.5 watt)	
Ethernet	Gigabit ethernet port, Intel I217-V, Wake on LAN®	
Intel AMT	None	
Modem	None	
Security chip	None	Security <ul style="list-style-type: none">• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Individual USB port disablement• Chassis intrusion switch on selected model(s)
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo	EPEAT™ Gold rating
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	ENERGY STAR® 6.0-compliant
Floor Stand	Optional System floor stand for vertical orientation	Cisco EnergyWise compatible
VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm mount standard	GREENGUARD® certified
Power supply	65 watts AC/DC adapter, autosensing, 88% PSU	RoHS-compliant
Mechanical	<ul style="list-style-type: none">• Tiny (1L), business black color; metal case• <i>M73 Tiny only:</i> 7.0" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 2.9 lb (1.3 kg), weight may vary by configuration• <i>With VESA mount & optical box:</i> 7.2" W X 7.2" D X 2.55" H 184mm W X 182mm D X 65mm H 5.1lb (2.3 kg), weight may vary by configuration	Supports ThinkVantage Technologies
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	

See footnotes for important warranty information

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(G-MLM1N-1) July 2014

ThinkCentre M73 Tiny (10AX) - GMP

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical / I/O box	Graphics	PCIe Mini Card WLAN / BT	Optional port	Chassis intrusion switch	Floor stand	VESA mount	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10AX002U++	G3420T	2GBx1	320G 5400	None	Intel HD	Intel 105	None	None	Stand	None	G P	Win7 Pro64	10/01/13
10AX002V++	i3-4130T	4GBx1	500G 5400	None	HD 4400	Intel 2230	None	None	Stand	None	G P	Win7 Pro64 (DG)	10/01/13
10AX003D++	i5-4570T	4GBx1	128G SSD	DVD±RW	HD 4600	Intel 2230	USB	Switch	None	Mount	G P	Win7 Pro64 (DG)	10/01/13
10AX0044++	i5-4570T	4GBx1	500G 7200	None	HD 4600	Intel 2230	None	None	Stand	None	G P	Win7 Pro64 (DG)	10/22/13
10AX0045++	i3-4130T	4GBx1	500G 7200	None	HD 4400	Intel 105	None	None	Stand	None	G P	Win7 Pro64 (DG)	10/22/13
10AX007W++	i5-4590T	4GBx1	128G SSD	DVD±RW	HD 4600	7260 b/g/n	USB	Switch	None	Mount	G P	Win7 P64 DG Win8.1	07/08/14
10AX007X++	i3-4150T	4GBx1	500G 5400	None	HD 4400	7260 b/g/n	None	None	Stand	None	G P	Win7 P64 DG Win8.1	07/08/14

Country Code"+": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

•Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning Processor	Essential business features, exceptional value Intel® Pentium® G3420T Processor (2 cores / 2 threads, 2.7GHz, 3MB cache), Intel HD Graphics, 1600MHz DDR3 memory controller Intel Core™ i3-4130T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i3-4150T Processor (2 cores / 4 threads, 3.0GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4570T Processor (2 cores / 4 threads, 2.9GHz, 4MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590T Processor (4 cores / 4 threads, 2.0GHz, 4MB cache), Turbo Boost 2.0 (3.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket			Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Power Manager● View Management Utility● PC Device Stage● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Message Center Plus● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™● Evernote®● Microsoft® Office preloaded; purchase a product key to activate● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Nitro Pro
Implementation				
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook), <i>System automatically clocks down for processors with 1333MHz DDR3 memory controller</i>			
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports up to dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)</i>			
DP dongle	None			
Disk	<i>Some:</i> SATA 3.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide			
External optical	<i>Some:</i> Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in, via USB 2.0			
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset			
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar			
eSATA port	None			
Chipset	Intel H81 Express Chipset			
Front ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)			
Rear ports	Three USB 2.0 (optional external optical box or external I/O box occupies one specific USB 2.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial on selected models)			
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 2.0 port			
PCIe Mini Card	One PCI Express® Mini Card slot			
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2			
Bluetooth	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter			
Audio	High Definition (HD) Audio, Realtek® ALC283 codec			
Speaker	Internal speaker for business audio (1.5 watt)			
Ethernet	Gigabit ethernet port, Intel I217-V, Wake on LAN®			
Intel AMT	None			
Modem	None			
Security chip	None			
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Floor Stand	Optional System floor stand for vertical orientation			
VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm mount standard			
Power supply	65 watts AC/DC adapter, autosensing, 88% PSU			
Mechanical	<ul style="list-style-type: none">● Tiny (1L), business black color; metal case● <i>M73 Tiny only:</i> 7.0" W X 7.2" D X 1.4" H 179mm W X 182mm D X 34.5mm H 2.9 lb (1.3 kg), weight may vary by configuration● <i>With VESA mount & optical box:</i> 7.2" W X 7.2" D X 2.55" H 184mm W X 182mm D X 65mm H 5.1lb (2.3 kg), weight may vary by configuration			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available			
Security <ul style="list-style-type: none">● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● Individual USB port disablement● Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 6.0-compliant Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies				

See footnotes for important warranty information

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(G-MLM1N-2) July 2014

ThinkCentre M73 Small (10B4) - ES 6.0 (GMP)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Chassis Intrusion switch	2nd Serial / Parallel	Optional Rear USB	Floor stand	ENERGY STAR 6.0	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10B4001F++	3x4	G3420	2GBx1	500G 7200	DVD	None	None	Intel HD	None	None	None	None	ES6.0	G P	Win7 Pro64	10/01/13
10B4001G++	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	None	HD 4400	None	None	None	Stand	ES6.0	G P	Win7 Pro64 (DG)	10/01/13
10B4001H++	3x4	i5-4570	4GBx1	1TB 7200	DVD±RW	N105	Media	HD 8470	Switch	None	None	None	ES6.0	G P	Win7 Pro64 (DG)	10/01/13
10B40020++	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	None	HD 4400	None	None	None	Stand	ES6.0	G P	Win7 Pro64	02/04/14
10B4002L++	3x4	G3440	2GBx1	500G 7200	DVD	None	None	Intel HD	None	None	None	None	ES6.0	G P	Win7 Pro64	06/24/14
10B4002M++	3x4	i3-4150	4GBx1	500G 7200	DVD±RW	None	None	HD 4400	None	None	None	Stand	ES6.0	G P	Win7 P64 DG Win8.1	07/08/14
10B4002N++	3x4	i5-4590	4GBx1	1TB 7200	DVD±RW	8723BE	None	GT 620	Switch	None	None	None	ES6.0	G P	Win7 P64 DG Win8.1	07/08/14
Positioning Processor	Essential business features, exceptional value Intel® Pentium® G3420 Processor (2 cores / 2 threads, 3.2GHz, 3MB cache), Intel HD Graphics, 1600MHz DDR3 memory controller Intel® Pentium® G3440 Processor (2 cores / 2 threads, 3.3GHz, 3MB cache), Intel HD Graphics, 1600MHz DDR3 memory controller Intel Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel® Core™ i3-4150 Processor (2 cores / 4 threads, 3.5GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket												Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) ● Rescue and Recovery™ ● Password Manager			
Implementation																
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller															
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display, works along with discrete graphics to support up to four independent monitors; <i>Maximum resolution:</i> 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking) <i>Some:</i> AMD Radeon™ HD 8470 , DirectX 11, 3D Hardware Acceleration, 512MB, PCI Express® 2.0 x16 adapter, one VGA, one DisplayPort, 25 watts, <i>Max resolution:</i> 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz <i>Some:</i> NVIDIA® GeForce® GT 620 , DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; <i>Max resolution:</i> 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz															
Disk Optical	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> DVD-ROM DL SATA 1.5Gb/s Drive <i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive															
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset															
Onboard SATA	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar															
eSATA port	None															
Media reader	Optional 9-in-1 media reader, internal USB 2.0															
Chipset	Intel H81 Express Chipset															
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)															
Rear ports	Two USB 3.0, two USB 2.0, two optional USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DisplayPort															
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)															
Audio	High Definition (HD) Audio, Realtek® ALC662 codec															
PCIe WLAN ⁴	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8723BE, Wi-Fi/BT 4.0, 1x1 <i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter															
Bluetooth	Internal speaker for business audio (1 watt)															
Speaker	None															
IEEE 1394	None															
Ethernet	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®															
Manageability	None															
Security chip	None															
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo															
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo															
Floor Stand	Optional system floor stand for vertical orientation															
Power supply	<i>Some:</i> 240 watts, autosensing, active PFC, 85% PSU															
Machine	● Business black color; metal case ● 13.2" W X 15.0" D X 3.9" H ● 335mm W X 382mm D X 101mm H ● 14.6 lb (6.6 kg) in maximum configuration ● Highlighted optical drive button for easy access															
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 2.5", N/A, no access, opt 2nd SSD* Bay 4: 1.5", .35" high, access, opt reader* *bay only available on models with HDD/SSD/reader installed															
Slot	Slot 1: Low Profile, PCIe 3.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x1															
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available															
Security ● One lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable) ● Power-on password ● Administrator password ● Hard disk password ● Boot sequence control ● Boot without keyboard and mouse ● Serial port I/O control ● Individual USB port disablement ● Chassis intrusion switch on selected model(s)																
EPEAT™ Gold rating ENERGY STAR® 6.0-compliant Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies																

See footnotes for important warranty information

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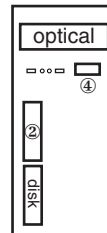
ThinkCentre M73 Mini Tower (10B1) - ES 6.0 (GMP)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Chassis Intrusion switch	2nd Serial / Parallel	Optional Rear USB	ENERGY STAR 6.0	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10B10011++	3x4	G3420	2GBx1	500G 7200	DVD	None	None	Intel HD	None	None	None	ES6.0	G P	Win7 Pro64	10/01/13
10B10012++	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	None	HD 4400	None	None	None	ES6.0	G P	Win7 Pro64 (DG)	10/01/13
10B10017++	3x4	i5-4570	4GBx1	1TB 7200	DVD±RW	N105	Media	HD 8470	Switch	None	None	ES6.0	G P	Win7 Pro64 (DG)	10/01/13
10B1001K++	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	None	HD 4400	None	None	None	ES6.0	G P	Win7 Pro64	02/04/14
10B10029US	3x4	i3-4150	4GBx1	500G 7200	DVD±RW	None	None	HD 4400	None	None	None	ES6.0	G P	Win7 P64 DG Win8.1	07/08/14
10B1002AUS	3x4	i5-4590	4GBx1	1TB 7200	DVD±RW	8723BE	None	GT 620	Switch	None	None	ES6.0	G P	Win7 P64 DG Win8.1	07/08/14

Positioning Processor	Essential business features, exceptional value Intel® Pentium® G3420 Processor (2 cores / 2 threads, 3.2GHz, 3MB cache), Intel HD Graphics, 1600MHz DDR3 memory controller Intel Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i3-4150 Processor (2 cores / 4 threads, 3.5GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket														
Implementation	Processor in LGA1150 socket														
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3 , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller														
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display, works along with discrete graphics to support up to four independent monitors; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)</i> <i>Some: AMD Radeon™ HD 8470, DirectX 11, 3D Hardware Acceleration, 512MB, PCI Express® 2.0 x16 adapter, one VGA, one DisplayPort, 25 watts, Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz</i> <i>Some: NVIDIA® GeForce® GT 620, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz</i>														
Disk	<i>Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm</i>														
Optical	<i>Some: DVD-ROM DL SATA 1.5Gb/s Drive</i>														
SATA controller	<i>Some: Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive</i>														
Onboard SATA	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset														
eSATA port	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar														
Media reader	None														
Chipset	Optional 9-in-1 media reader, internal USB 2.0														
Front ports	Intel H81 Express Chipset														
Rear ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)														
Rear audio ports	Two USB 3.0, two USB 2.0, two optional USB 2.0, serial (9-pin), optional 2nd serial (9-pin), optional parallel (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), VGA DB-15, DisplayPort														
Audio	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)														
PCIe WLAN ⁴	High Definition (HD) Audio, Realtek® ALC662 codec														
Bluetooth	<i>Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1</i>														
Speaker	<i>Some: 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8723BE, Wi-Fi/BT 4.0, 1x1</i>														
IEEE 1394	<i>Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter</i>														
Ethernet	Internal speaker for business audio (1.5 watt)														
Manageability	None														
Modem	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®														
Security chip	None														
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo														
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo														
Power supply	<i>Some: 280 watts, autosensing, active PFC, 85% PSU</i>														

Mechanical	<ul style="list-style-type: none"> Business black color; metal case 6.3" W X 16.6" D X 15.3" H (with handle) 160mm W X 422mm D X 388mm H 20.7 lb (9.4 kg) in maximum configuration Handle on top front Highlighted optical drive button for easy access 														
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, opt disk* Bay 3: 3.5", 1" high, no access, std disk Bay 4: 1.5", .35" high, access, opt reader* *bay only available on models with HDD/SSD/reader installed														
Slot	Slot 1: half-length, full-height, PCIe 3.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1														
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available														



Preloaded operating system <i>Some: Windows® 7 Professional 64</i> <i>Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit</i> <i>Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit</i> Ready to install applications (only some listed) <ul style="list-style-type: none"> Rescue and Recovery™ Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none"> ThinkVantage® Product Recovery ThinkVantage System Update ThinkVantage Communication Utility ThinkVantage Power Manager View Management Utility PC Device Stage Lenovo Cloud Storage by SugarSync Lenovo Solution Center Lenovo Message Center Plus Norton™ Internet Security (30 days of virus definitions) Adobe® Reader® Skype™ Evernote® Microsoft® Office preloaded; purchase a product key to activate Cyberlink Power2Go (DVD±RW) Cyberlink PowerProducer (DVD±RW) Nitro Pro 															
Security <ul style="list-style-type: none"> One lock to secure both cover and entire system to fixed object: <ul style="list-style-type: none"> -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse Serial port I/O control Individual USB port disablement Chassis intrusion switch on selected model(s) 															
EPEAT™ Gold rating ENERGY STAR® 6.0-compliant Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies															

See footnotes for important warranty information

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Lenovo ThinkCentre M72z with Frame Stand



Lenovo ThinkCentre M72z with Frame Stand



Lenovo ThinkCentre M72z with Monitor Stand



Lenovo ThinkCentre M72z with Monitor Stand



Dual Independent Display with Optional Lenovo ThinkVision Monitor

ThinkCentre M72z (3543) - TopSeller (Win 8)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Chassis intrusion switch	Serial port	PS/2 port	Stand type	Key-board/Mouse	Global	Preload	Ann date (mm/dd/yy)
3543-A6G	G645	4GBx1	None	500G 7200	Intel HD	11b/g/n	Media	Switch	None	None	Frame	USB	None	Win8 Pro64	10/23/12
3543-A9G	G645	4GBx1	None	500G 7200	Intel HD	11b/g/n	Media	Switch	None	None	Frame	USB	None	Win7 Pro64	10/23/12
3543-B1G	i3-3220	4GBx1	2.0M	500G 7200	HD 2500	11b/g/n	Media	Switch	Serial	None	Monitor	2.4G	None	Win7 Pro64	11/13/12
3543-B4G	G2020	4GBx1	None	500G 7200	Intel HD	11b/g/n	Media	Switch	None	None	Frame	USB	None	Win7 Pro64	03/05/13
3543-B5G	G2020	4GBx1	None	500G 7200	Intel HD	11b/g/n	Media	Switch	None	None	Frame	USB	None	Win8 Pro64	03/05/13
3543-C5G	i3-3240	4GBx1	2.0M	500G 7200	HD 2500	11b/g/n	Media	Switch	None	None	Monitor	2.4G	None	Win7 Pro64	05/28/13
3543-C8G	G2030	4GBx1	None	500G 7200	Intel HD	11b/g/n	Media	Switch	None	None	Frame	USB	None	Win7 Pro64	06/11/13
3543-C9G	G2030	4GBx1	None	500G 7200	Intel HD	11b/g/n	Media	Switch	None	None	Frame	USB	None	Win8 Pro64	06/11/13
Positioning Processor	<i>Mainstream All-In-One PC for the enterprise</i> Intel® Pentium® G645 Processor (2 cores / 2 threads, 2.9GHz, 3MB cache), integrated Intel HD Graphics, integrated DDR3 memory controller (up to 1066MHz) Intel Pentium G2020 Processor (2 cores / 2 threads, 2.9GHz, 3MB cache), integrated Intel HD Graphics, integrated DDR3 memory controller (up to 1333MHz) Intel Pentium G2030 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache), integrated Intel HD Graphics, integrated DDR3 memory controller (up to 1333MHz) Intel Core™ i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD Graphics 2500, integrated DDR3 memory controller (up to 1600MHz) Intel Core i3-3240 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), integrated Intel HD Graphics 2500, integrated DDR3 memory controller (up to 1066MHz) Processor in LGA1155 socket											Preloaded operating system²⁰ <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 8 Pro 64-bit Preloaded applications (only some listed) - Windows 7 models <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage Communication Utility• ThinkVantage Power Manager• Lenovo® Message Center Plus• RapidBoot HDD Accelerator• Lenovo SimpleTap• Adobe® Reader®• Corel® Burn.Now™ (DVD±RW)• Corel DVD MovieFactory® (DVD±RW)• InterVideo WinDVD® (DVD, DVD±RW) - Windows 8 models <ul style="list-style-type: none">• Lenovo Support• Lenovo Settings• Lenovo Companion• Lenovo Cloud Storage• Norton™ Studio• AccuWeather• Evernote®• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW) - All models <ul style="list-style-type: none">• ThinkVantage System Update• ThinkVantage Automatic lock Utility• Lenovo Solution Center• View Management Utility• Norton Internet Security (30 days of virus definitions)• Microsoft® Office preloaded; purchase a product key to activate• Skype™			
Implementation															
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook) <i>System automatically clocks down for processors with 1066MHz or 1333MHz DDR3 memory controller</i>														
Graphics	Intel HD Graphics or Intel HD Graphics 2500 in processor, uses main memory, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz</i>														
DP dongle	None														
Display	20.0" (508mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 dynamic contrast ratio														
Multi-touch	None														
Camera	<i>Some:</i> Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, physical switch on/off														
Controls	Front facing buttons for brightness up/auto, brightness down, and power on/off														
Disk	SATA 3.0Gb/s, 3.5" Wide, 7200 rpm														
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable														
Media reader	7-in-1 Single Slot SD media reader														
Chipset	Intel H61 Express Chipset														
Rear ports	Four USB 2.0, ethernet (RJ-45), DisplayPort connector, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)														
Side ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)														
PCIe Mini Card	One PCI Express® Mini Card slot														
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2														
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter														
Ethernet	One gigabit ethernet port, Realtek® RTL8111E-VB														
Audio	High Definition (HD) Audio, Realtek ALC269Q														
Speaker	Two internal stereo speakers (2watt x 2)														
Intel AMT	None														
Modem	None														
IEEE 1394	None														
Security chip	Trusted Platform Module (TPM 1.2-compliant)														
Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo <i>Some:</i> Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black <i>Some:</i> Enhanced Optical USB Mouse, black, Lenovo logo <i>Some:</i> Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black														
Mouse															
Power supply	150 watts, autosensing, 85% PSU														
Machine	<i>Model(s) with Non multi-touch, Frame stand:</i> <ul style="list-style-type: none">• Business black color• 20.0" W X 4.0" D X 16.2" H• 507mm W X 101mm D X 411mm H (including stand)• 14.6 lb (6.6 kg) in maximum configuration• Handle in rear, removable feet• Support VESA mount (100mm) <i>Model(s) with Non multi-touch, Monitor stand:</i> <ul style="list-style-type: none">• Business black color• 20.0" W X 8.9" D X 17.0" H• 507mm W X 227mm D X 431mm H (including stand)• 18.5 lb (8.4 kg) in maximum configuration• Tilt: 25° back, -5° forward; Lift: 110mm; Swivel: +/-45°• Support VESA mount (100mm)														
Limited Warranty	1-year, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available														
Security <ul style="list-style-type: none">• Security chip (see information on left)• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• USB port disablement• Chassis intrusion switch on selected model(s)															
EPEAT™ Gold rating ENERGY STAR® 5.2-compliant TCO Certified Edge Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant															
Supports ThinkVantage Technologies															

See footnotes for important warranty information

WE models announced October 23 or November 13, 2012 or March 5, May 28, or June11, 2013

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(G-MTG11-8) June 2013

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Chassis intrusion switch	Serial port	PS/2 port	Stand type	Key-board/Mouse	Global	Win7 preload	Ann date (mm/dd/yy)
3549-C2G	G640	4GBx1 1600MHz	None	500G 7200	Intel HD	11b/g/n	Media	Switch	None	None	Frame	USB	None	Pro 64	06/19/12
3549-C3G	i3-2130	4GBx1 1600MHz	2.0M	500G 7200	HD 2000	11b/g/n	Media	Switch	Serial	None	Frame	2.4G	None	Pro 64	06/19/12
3549-C6G	i3-2120	4GBx1 1600MHz	2.0M	500G 7200	HD 2000	11b/g/n	Media	Switch	Serial	None	Frame	2.4G	None	Pro 64	06/19/12

• 1-year limited warranty

Positioning Processor	Mainstream All-In-One PC for the enterprise Intel® Pentium® G640 Processor (2 cores / 2 threads, 2.8GHz, 3MB cache) , integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core™ i3-2120 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache) , integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i3-2130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache) , integrated Intel HD 2000 Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket		Preloaded operating system²⁰ Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager● Business-in-a-Box Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Automatic Lock Utility● ThinkVantage Power Manager● View Management Utility● Lenovo Solution Center● Lenovo Message Center Plus● RapidBoot HDD Accelerator● Lenovo SimpleTap● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™ for Windows● Windows Live™ Essentials● Microsoft® Office preloaded; purchase a product key to activate● Corel® Burn.Now™ (DVD±RW)● Corel DVD MovieFactory® (DVD±RW)● InterVideo WinDVD® (DVD, DVD±RW)
Implementation	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Memory			
Graphics	Intel HD Graphics or Intel HD Graphics 2000 in processor, uses main memory, DirectX® 10.1, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz</i>		
DP dongle	None		
Display	20.0" (508mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 dynamic contrast ratio		
Multi-touch	None		
Camera	<i>Some:</i> Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, physical switch on/off		
Controls	Front facing buttons for brightness up/auto, brightness down, and power on/off		
Disk	SATA 3.0Gb/s, 3.5" Wide, 7200 rpm		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Media reader	7-in-1 Single Slot SD media reader		
Chipset	Intel H61 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), DisplayPort connector, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)		
Side ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Realtek® RTL8111E-VB		
Audio	High Definition (HD) Audio, Realtek ALC269Q		
Speaker	Two internal stereo speakers (2watt x 2)		
Intel AMT	None		
Modem	None		
IEEE 1394	None		
Security chip	Trusted Platform Module (TPM 1.2-compliant)		
Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo <i>Some:</i> Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black <i>Some:</i> Enhanced Optical USB Mouse, black, Lenovo logo <i>Some:</i> Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black		
Mouse	150 watts, autosensing, 85% PSU		
Power supply			
Machine	<i>Model(s) with Non multi-touch, Frame stand:</i> <ul style="list-style-type: none">● Business black color● 20.0" W X 4.0" D X 16.2" H● 507mm W X 101mm D X 411mm H (including stand)● 14.6 lb (6.6 kg) in maximum configuration● Handle in rear, removable feet● Support VESA mount (100mm)		
Limited Warranty	1-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		
	Security <ul style="list-style-type: none">● Security chip (see information on left)● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● USB port disablement● Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant TCO Certified Edge Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies		

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Chassis intrusion switch	Serial port	PS/2 port	Stand type	Key-board/Mouse	Global	Win7 preload	Ann date (mm/dd/yy)
3554-C8G	i3-2130	4GBx1 1600MHz	2.0M	500G 7200	HD 2000	11b/g/n	Media	Switch	Serial	None	Frame	USB	None	Pro 64	06/05/12
3554-G2G	G640	4GBx1 1600MHz	None	500G 7200	Intel HD	11b/g/n	Media	Switch	Serial	None	Frame	USB	None	Pro 64	06/19/12
3554-G3G	i3-2120	4GBx1 1600MHz	2.0M	500G 7200	HD 2000	11b/g/n	Media	Switch	Serial	None	Frame	2.4G	None	Pro 64	06/19/12

●3-year limited warranty

Positioning Processor	Mainstream All-In-One PC for the enterprise Intel® Pentium® G640 Processor (2 cores / 2 threads, 2.8GHz, 3MB cache) , integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core™ i3-2120 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache) , integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i3-2130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache) , integrated Intel HD 2000 Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket		Preloaded operating system²⁰ Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager● Business-in-a-Box Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Automatic Lock Utility● ThinkVantage Power Manager● View Management Utility● Lenovo Solution Center● Lenovo Message Center Plus● RapidBoot HDD Accelerator● Lenovo SimpleTap● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™ for Windows● Windows Live™ Essentials● Microsoft® Office preloaded; purchase a product key to activate● Corel® Burn.Now™ (DVD±RW)● Corel DVD MovieFactory® (DVD±RW)● InterVideo WinDVD® (DVD, DVD±RW)
Implementation	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Memory			
Graphics	Intel HD Graphics or Intel HD Graphics 2000 in processor, uses main memory, DirectX® 10.1, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz</i>		
DP dongle	None		
Display	20.0" (508mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 dynamic contrast ratio		
Multi-touch	None		
Camera	<i>Some:</i> Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, physical switch on/off		
Controls	Front facing buttons for brightness up/auto, brightness down, and power on/off		
Disk	SATA 3.0Gb/s, 3.5" Wide, 7200 rpm		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Media reader	7-in-1 Single Slot SD media reader		
Chipset	Intel H61 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), DisplayPort connector, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)		
Side ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Realtek® RTL8111E-VB		
Audio	High Definition (HD) Audio, Realtek ALC269Q		
Speaker	Two internal stereo speakers (2watt x 2)		
Intel AMT	None		
Modem	None		
IEEE 1394	None		
Security chip	Trusted Platform Module (TPM 1.2-compliant)		
Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo <i>Some:</i> Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black <i>Some:</i> Enhanced Optical USB Mouse, black, Lenovo logo <i>Some:</i> Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black		
Mouse	150 watts, autosensing, 85% PSU		
Power supply			
Machine	<i>Model(s) with Non multi-touch, Frame stand:</i> <ul style="list-style-type: none">● Business black color● 20.0" W X 4.0" D X 16.2" H● 507mm W X 101mm D X 411mm H (including stand)● 14.6 lb (6.6 kg) in maximum configuration● Handle in rear, removable feet● Support VESA mount (100mm)		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		

| **Security** - Security chip (see information on left) - Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) - Power-on password - Administrator password - Hard disk password - Boot sequence control - Boot without keyboard and mouse - USB port disablement - Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant TCO Certified Edge Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies | | |

ThinkCentre M72z (3554) - Windows 8

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Chassis intrusion switch	Serial port	PS/2 port	Stand type	Key-board/Mouse	Global	Preload	Ann date (mm/dd/yy)
3554-J3G	i3-2130	4GBx1	2.0M	500G 7200	HD 2000	11b/g/n	Media	Switch	None	None	Frame	USB	None	Win8 Pro64	10/23/12
3554-J4G	G645	4GBx1	None	500G 7200	Intel HD	11b/g/n	Media	Switch	None	None	Frame	USB	None	Win8 Pro64	10/23/12
3554-K1G	G645	4GBx1	2.0M	500G 7200	Intel HD	11b/g/n	Media	Switch	Serial	None	Monitor	USB	None	Win7 Pro64	10/23/12
3554-K2G	i3-3220	4GBx1	2.0M	500G 7200	HD 2500	11b/g/n	Media	Switch	Serial	None	Monitor	2.4G	None	Win7 Pro64	11/13/12

●3-year limited warranty

Positioning Processor	Mainstream All-In-One PC for the enterprise Intel® Pentium® G645 Processor (2 cores / 2 threads, 2.9GHz, 3MB cache) , integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core™ i3-2130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache) , integrated Intel HD 2000 Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache) , integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller Processor in LGA1155 socket		Preloaded operating system²⁰ <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 8 Pro 64-bit Preloaded applications (only some listed) - Windows 7 models <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage Communication Utility● ThinkVantage Power Manager● Lenovo® Message Center Plus● RapidBoot HDD Accelerator● Lenovo SimpleTap● Adobe® Reader®● Corel® Burn.Now™ (DVD±RW)● Corel DVD MovieFactory® (DVD±RW)● InterVideo WinDVD® (DVD, DVD±RW) - Windows 8 models <ul style="list-style-type: none">● Lenovo Support● Lenovo Settings● Lenovo Companion● Lenovo Cloud Storage● Norton™ Studio● AccuWeather● Evernote®● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW) - All models <ul style="list-style-type: none">● ThinkVantage System Update● ThinkVantage Automatic lock Utility● Lenovo Solution Center● View Management Utility● Norton Internet Security (30 days of virus definitions)● Microsoft® Office preloaded; purchase a product key to activate● Skype™	
Implementation	Processor in LGA1155 socket			
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)			
Graphics	Intel HD Graphics / 2000 / 2500 in processor, uses main memory, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 2560x1600 (DisplayPort)@60Hz			
DP dongle	None			
Display	20.0" (508mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 dynamic contrast ratio			
Multi-touch	None			
Camera	<i>Some:</i> Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, physical switch on/off			
Controls	Front facing buttons for brightness up/auto, brightness down, and power on/off			
Disk	SATA 3.0Gb/s, 3.5" Wide, 7200 rpm			
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable			
Media reader	7-in-1 Single Slot SD media reader			
Chipset	Intel H61 Express Chipset			
Rear ports	Four USB 2.0, ethernet (RJ-45), DisplayPort connector, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)			
Side ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
PCIe Mini Card	One PCI Express® Mini Card slot			
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2			
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter			
Ethernet	One gigabit ethernet port, Realtek® RTL8111E-VB			
Audio	High Definition (HD) Audio, Realtek ALC269Q			
Speaker	Two internal stereo speakers (2watt x 2)			
Intel AMT	None			
Modem	None			
IEEE 1394	None			
Security chip	Trusted Platform Module (TPM 1.2-compliant)			
Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo <i>Some:</i> Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black		Security <ul style="list-style-type: none">● Security chip (see information on left)● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● USB port disablement● Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant TCO Certified Edge Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant	
Mouse	<i>Some:</i> Enhanced Optical USB Mouse, black, Lenovo logo <i>Some:</i> Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black			
Power supply	150 watts, autosensing, 85% PSU			
Machine	<i>Model(s) with Non multi-touch, Frame stand:</i> <ul style="list-style-type: none">● Business black color● 20.0" W X 4.0" D X 16.2" H● 507mm W X 101mm D X 411mm H (including stand)● 14.6 lb (6.6 kg) in maximum configuration● Handle in rear, removable feet● Support VESA mount (100mm) <i>Model(s) with Non multi-touch, Monitor stand:</i> <ul style="list-style-type: none">● Business black color● 20.0" W X 8.9" D X 17.0" H● 507mm W X 227mm D X 431mm H (including stand)● 18.5 lb (8.4 kg) in maximum configuration● Tilt: 25° back, -5° forward; Lift: 110mm; Swivel: +/-45°● Support VESA mount (100mm)			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		Supports ThinkVantage Technologies	

ThinkCentre M72z (3558) - GMP

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Chassis intrusion switch	Serial port	PS/2 port	Stand type	Key-board/ Mouse	Global (G) GMP (P)	Win7 preload	Ann date (mm/dd/yy)
3558-A2G	i5-3550S	4GBx1 1600MHz	2.0M	250G 7200	HD 2500	11b/g/n	Media	Switch	None	None	Frame	USB	G P	Pro 64	06/05/12
3558-A4G	i5-3570S	4GBx1 1600MHz	2.0M	500G 7200	HD 2500	11b/g/n	Media	Switch	None	None	Frame	USB	G P	Pro 64	08/14/12

●Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning Processor	Mainstream All-In-One PC for the enterprise Intel® Core™ i5-3550S Processor (4 cores / 4 threads, 3.0GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), integrated Intel HD 2500 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i5-3570S Processor (4 cores / 4 threads, 3.1GHz, 6MB cache), Turbo Boost 2.0 (3.8GHz), integrated Intel HD 2500 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket		Preloaded operating system²⁰ Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager● Business-in-a-Box Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Automatic Lock Utility● ThinkVantage Power Manager● View Management Utility● Lenovo Solution Center● Lenovo Message Center Plus● RapidBoot HDD Accelerator● Lenovo SimpleTap● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™ for Windows● Windows Live™ Essentials● Microsoft® Office preloaded; purchase a product key to activate● Corel® Burn.Now™ (DVD±RW)● Corel DVD MovieFactory® (DVD±RW)● InterVideo WinDVD® (DVD, DVD±RW)
Implementation	Processor in LGA1155 socket		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz</i>		
DP dongle	None		
Display	20.0" (508mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 dynamic contrast ratio		
Multi-touch	None		
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, physical switch on/off		
Controls	Front facing buttons for brightness up/auto, brightness down, and power on/off		
Disk	SATA 3.0Gb/s, 3.5" Wide, 7200 rpm		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Media reader	7-in-1 Single Slot SD media reader		
Chipset	Intel H61 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), DisplayPort connector, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)		
Side ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Realtek® RTL8111E-VB		
Audio	High Definition (HD) Audio, Realtek ALC269Q		
Speaker	Two internal stereo speakers (2watt x 2)		
Intel AMT	None		
Modem	None		
IEEE 1394	None		
Security chip	Trusted Platform Module (TPM 1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Power supply	150 watts, autosensing, 85% PSU		
Machine	<i>Model(s) with Non multi-touch, Frame stand:</i> <ul style="list-style-type: none">● Business black color● 20.0" W X 4.0" D X 16.2" H● 507mm W X 101mm D X 411mm H (including stand)● 14.6 lb (6.6 kg) in maximum configuration● Handle in rear, removable feet● Support VESA mount (100mm)		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		
			Security <ul style="list-style-type: none">● Security chip (see information on left)● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● USB port disablement● Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant TCO Certified Edge Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies

ThinkCentre M72z (3558) - GMP (Thin Client)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB	SATA rpm optical	Graphics	PCIe Mini Card WLAN	Media reader	Chassis intrusion switch	Serial port	PS/2 port	Stand type	Key-board/Mouse	Global (G) GMP (P)	Win7 preload (mm/dd/yy)	Ann date
3558-A5G	G460	2GBx1 1600MHz	None	8G SSD	None	Intel HD	11b/g/n	None	Switch	Serial	None	Frame	USB	G P	Emb 32	11/20/12
3558-A7G	G465	2GBx1 1600MHz	None	8G SSD	None	Intel HD	11b/g/n	None	Switch	Serial	None	Frame	USB	G P	Emb 32	01/08/13
3558-A8G	G470	2GBx1 1600MHz	None	8G SSD	None	Intel HD	11b/g/n	None	Switch	Serial	None	Frame	USB	G P	Emb 32	06/11/13

●Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning Processor	Mainstream All-In-One PC for the enterprise Intel® Celeron® G460 Processor (1 core / 2 threads, 1.8GHz, 1.5MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller Intel Celeron G465 Processor (1 core / 2 threads, 1.9GHz, 1.5MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller Intel Celeron G470 Processor (1 core / 2 threads, 2.0GHz, 1.5MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller Processor in LGA1155 socket		Preloaded operating system²⁰ Genuine Windows® 7 Embedded 32 Preloaded applications (only some listed) <ul style="list-style-type: none">● Adobe® Reader®● Adobe Flash® Player● Citrix® Receiver● IIS Web Server● Microsoft® Management Console● Microsoft Silverlight● Remote Desktop Protocol● ThinPrint .print Client● TightVNC Viewer● VMware® View Client● vWorkspace● Windows Media Player
Implementation	Processor in LGA1155 socket		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook), <i>System automatically clocks down for processors with 1066MHz DDR3 memory controller</i>		
Graphics	Intel HD Graphics in processor, uses main memory, HDCP, DirectX® 10.1, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz</i>		
DP dongle	None		
Display	20.0" (508mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 dynamic contrast ratio		
Multi-touch	None		
Camera	None		
Controls	Front facing buttons for brightness up/auto, brightness down, and power on/off		
Disk	Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" Wide		
Optical	None		
Media reader	None		
Chipset	Intel H61 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), DisplayPort connector, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)		
Side ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Realtek® RTL8111E-VB		
Audio	High Definition (HD) Audio, Realtek ALC269Q		
Speaker	Two internal stereo speakers (2watt x 2)		
Intel AMT	None		
Modem	None		
IEEE 1394	None		
Security chip	Trusted Platform Module (TPM 1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Power supply	150 watts, autosensing, 85% PSU		
Machine	<i>Model(s) with Non multi-touch, Frame stand:</i> <ul style="list-style-type: none">● Business black color● 20.0" W X 4.0" D X 16.2" H● 507mm W X 101mm D X 411mm H (including stand)● 14.6 lb (6.6 kg) in maximum configuration● Handle in rear, removable feet● Support VESA mount (100mm)		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		

ThinkCentre M72z (3558) - GMP (Win 8)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Chassis intrusion switch	Serial port	PS/2 port	Stand type	Key-board/ Mouse	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
3558-A3G	i5-3470S	4GBx1	1600MHz	2.0M	500G 7200 HD 2500	11b/g/n	Media	Switch	None	None	Frame	USB	G P	Win8 Pro64	10/23/12
3558-A6G	i5-3470S	4GBx1	1600MHz	2.0M	500G 7200 HD 2500	11b/g/n	Media	None	None	None	Frame	USB	G P	Win7 Pro64	10/23/12

●Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning Processor	<i>Mainstream All-In-One PC for the enterprise</i> Intel® Core™ i5-3470S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD 2500 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket		Preloaded operating system²⁰ <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 8 Pro 64-bit
Implementation	Processor in LGA1155 socket		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 2560x1600 (DisplayPort)@60Hz		
DP dongle	None		
Display	20.0" (508mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 dynamic contrast ratio		
Multi-touch	None		
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, physical switch on/off		
Controls	Front facing buttons for brightness up/auto, brightness down, and power on/off		
Disk	SATA 3.0Gb/s, 3.5" Wide, 7200 rpm		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Media reader	7-in-1 Single Slot SD media reader		
Chipset	Intel H61 Express Chipset		Preloaded applications (only some listed) - Windows 7 models <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage Communication Utility● ThinkVantage Power Manager● Lenovo® Message Center Plus● RapidBoot HDD Accelerator● Lenovo SimpleTap● Adobe® Reader®● Corel® Burn.Now™ (DVD±RW)● Corel DVD MovieFactory® (DVD±RW)● InterVideo WinDVD® (DVD, DVD±RW) - Windows 8 models <ul style="list-style-type: none">● Lenovo Support● Lenovo Settings● Lenovo Companion● Lenovo Cloud Storage● Norton™ Studio● AccuWeather● Evernote®● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW) - All models <ul style="list-style-type: none">● ThinkVantage System Update● ThinkVantage Automatic lock Utility● Lenovo Solution Center● View Management Utility● Norton Internet Security (30 days of virus definitions)● Microsoft® Office preloaded; purchase a product key to activate● Skype™
Rear ports	Four USB 2.0, ethernet (RJ-45), DisplayPort connector, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)		
Side ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Realtek® RTL8111E-VB		
Audio	High Definition (HD) Audio, Realtek ALC269Q		
Speaker	Two internal stereo speakers (2watt x 2)		
Intel AMT	None		
Modem	None		
IEEE 1394	None		
Security chip	Trusted Platform Module (TPM 1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Power supply	150 watts, autosensing, 85% PSU		
Machine	<i>Model(s) with Non multi-touch, Frame stand:</i> <ul style="list-style-type: none">● Business black color● 20.0" W X 4.0" D X 16.2" H● 507mm W X 101mm D X 411mm H (including stand)● 14.6 lb (6.6 kg) in maximum configuration● Handle in rear, removable feet● Support VESA mount (100mm)		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		Security <ul style="list-style-type: none">● Security chip (see information on left)● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● USB port disablement● Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant TCO Certified Edge Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies

See footnotes for important warranty information
WE models announced October 23, 2012

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(G-MTG11-10) March 2013

ThinkCentre M72z (3512) - Multi-touch (TopSeller)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Chassis intrusion switch	Serial port	PS/2 port	Stand type	Key-board/Mouse	Global	Win7 preload	Ann date (mm/dd/yy)
3512-A1G	i3-3220	4GBx1 1600MHz	2.0M	500G 7200	HD 2500	11b/g/n	Media	Switch	Serial	None	Frame	2.4G	None	Pro 64	09/04/12

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 1-year limited warranty

Positioning Processor	Mainstream All-In-One PC for the enterprise Intel® Core™ i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller Processor in LGA1155 socket		Preloaded operating system²⁰ Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager● Business-in-a-Box Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Automatic Lock Utility● ThinkVantage Power Manager● View Management Utility● Microsoft Touch Pack● Lenovo Solution Center● Lenovo Message Center Plus● RapidBoot HDD Accelerator● Lenovo SimpleTap● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™ for Windows● Windows Live™ Essentials● Microsoft® Office preloaded; purchase a product key to activate● Corel® Burn.Now™ (DVD±RW)● Corel DVD MovieFactory® (DVD±RW)● InterVideo WinDVD® (DVD, DVD±RW)
Implementation	Processor in LGA1155 socket		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz</i>		
DP dongle	None		
Display	20.0" (508mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 dynamic contrast ratio		
Multi-touch	Multi-touch, 2-point support		
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, physical switch on/off		
Controls	Front facing buttons for brightness up/auto, brightness down, and power on/off		
Disk	SATA 3.0Gb/s, 3.5" Wide, 7200 rpm		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Media reader	7-in-1 Single Slot SD media reader		
Chipset	Intel H61 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), DisplayPort connector, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)		
Side ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Realtek® RTL8111E-VB		
Audio	High Definition (HD) Audio, Realtek ALC269Q		
Speaker	Two internal stereo speakers (2watt x 2)		
Intel AMT	None		
Modem	None		
IEEE 1394	None		
Security chip	Trusted Platform Module (TPM 1.2-compliant)		
Keyboard	Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black		
Mouse	Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black		
Power supply	150 watts, autosensing, 85% PSU		
Machine	<i>Model(s) with multi-touch, Frame stand:</i> <ul style="list-style-type: none">● Business black color● 20.0" W X 4.2" D X 16.2" H● 507mm W X 107mm D X 411mm H (including stand)● 17.5 lb (7.9 kg) in maximum configuration● Handle in rear, removable feet● Support VESA mount (100mm)		
Limited Warranty	1-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		
			Security <ul style="list-style-type: none">● Security chip (see information on left)● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● USB port disablement● Chassis intrusion switch on selected model(s)
			EPEAT™ Gold rating ENERGY STAR® 5.2-compliant TCO Certified Edge Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies

ThinkCentre M72z (3528) - Multi-touch (TopSeller)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Chassis intrusion switch	Serial port	PS/2 port	Stand type	Key-board/Mouse	Global	Win7 preload	Ann date (mm/dd/yy)
3528-A4G	i5-3470S	4GBx1 1600MHz	2.0M	128G SSD	HD 2500	11b/g/n	Media Switch	Serial	None	Frame	USB	None	Pro 64	03/05/13	

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 3-year limited warranty

Positioning Processor	<i>Mainstream All-In-One PC for the enterprise</i> Intel® Core™ i5-3470S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD 2500 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket										Preloaded operating system²⁰ Genuine Windows® 7 Professional 64				
Implementation	Processor in LGA1155 socket										Ready to install applications (only some listed)				
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)										<ul style="list-style-type: none">• Rescue and Recovery™• Password Manager• Business-in-a-Box				
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz</i>										Preloaded applications (only some listed)				
DP dongle	None										<ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Automatic Lock Utility• ThinkVantage Power Manager• View Management Utility• Microsoft Touch Pack• Lenovo Solution Center• Lenovo Message Center Plus• RapidBoot HDD Accelerator• Lenovo SimpleTap• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™ for Windows• Windows Live™ Essentials• Microsoft® Office preloaded; purchase a product key to activate• Corel® Burn.Now™ (DVD±RW)• Corel DVD MovieFactory® (DVD±RW)• InterVideo WinDVD® (DVD, DVD±RW)				
Display	20.0" (508mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 dynamic contrast ratio														
Multi-touch	Multi-touch, 2-point support														
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, physical switch on/off														
Controls	Front facing buttons for brightness up/auto, brightness down, and power on/off														
Disk	Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide														
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable														
Media reader	7-in-1 Single Slot SD media reader														
Chipset	Intel H61 Express Chipset														
Rear ports	Four USB 2.0, ethernet (RJ-45), DisplayPort connector, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)														
Side ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)														
PCIe Mini Card	One PCI Express® Mini Card slot														
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2														
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter														
Ethernet	One gigabit ethernet port, Realtek® RTL8111E-VB														
Audio	High Definition (HD) Audio, Realtek ALC269Q														
Speaker	Two internal stereo speakers (2watt x 2)														
Intel AMT	None														
Modem	None														
IEEE 1394	None														
Security chip	Trusted Platform Module (TPM 1.2-compliant)														
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo														
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo														
Power supply	150 watts, autosensing, 85% PSU														
Machine	<i>Model(s) with multi-touch, Frame stand:</i> <ul style="list-style-type: none">• Business black color• 20.0" W X 4.2" D X 16.2" H• 507mm W X 107mm D X 411mm H (including stand)• 17.5 lb (7.9 kg) in maximum configuration• Handle in rear, removable feet• Support VESA mount (100mm)										Security <ul style="list-style-type: none">• Security chip (see information on left)• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• USB port disablement• Chassis intrusion switch on selected model(s)				
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available										EPEAT™ Gold rating ENERGY STAR® 5.2-compliant TCO Certified Edge Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies				

ThinkCentre M72z (3535) - Multi-touch

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ⁸	Camera (mega- pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Chassis intrusion switch	Serial port	PS/2 port	Stand type	Key- board/ Mouse	Global	Win7 preload	Ann date (mm/dd/yy)
3535-C6G	G640	4GBx1 1600MHz	2.0M	500G 7200	Intel HD	11b/g/n	Media	Switch	Serial	None	Frame	USB	None	Pro 64	06/19/12
3535-C7G	i3-2120	4GBx1 1600MHz	2.0M	500G 7200	HD 2000	11b/a/n	Media	Switch	Serial	None	Frame	2.4G	None	Pro 64	06/19/12

- 3-year limited warranty

Positioning Processor	Mainstream All-In-One PC for the enterprise Intel® Pentium® G640 Processor (2 cores / 2 threads, 2.8GHz, 3MB cache) , integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core™ i3-2120 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache) , integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket	Preloaded operating system²⁰ Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none"> ● Rescue and Recovery™ ● Password Manager ● Business-in-a-Box Preloaded applications (only some listed) <ul style="list-style-type: none"> ● ThinkVantage® Product Recovery ● ThinkVantage System Update ● ThinkVantage Communication Utility ● ThinkVantage Automatic Lock Utility ● ThinkVantage Power Manager ● View Management Utility ● Microsoft Touch Pack ● Lenovo Solution Center ● Lenovo Message Center Plus ● RapidBoot HDD Accelerator ● Lenovo SimpleTap ● Norton™ Internet Security (30 days of virus definitions) ● Adobe® Reader® ● Skype™ for Windows ● Windows Live™ Essentials ● Microsoft® Office preloaded; purchase a product key to activate ● Corel® Burn.Now™ (DVD±RW) ● Corel DVD MovieFactory® (DVD±RW) ● InterVideo WinDVD® (DVD, DVD±RW)
Implementation		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)	
Graphics	Intel HD Graphics or Intel HD Graphics 2000 in processor, uses main memory, DirectX® 10.1, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort) @60Hz</i>	
DP dongle Display	None	
Multi-touch Camera	20.0" (508mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 dynamic contrast ratio Multi-touch, 2-point support Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, physical switch on/off	
Controls	Front facing buttons for brightness up/auto, brightness down, and power on/off	
Disk	SATA 3.0Gb/s, 3.5" Wide, 7200 rpm	
Optical Media reader	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable 7-in-1 Single Slot SD media reader	
Chipset	Intel H61 Express Chipset	
Rear ports	Four USB 2.0, ethernet (RJ-45), DisplayPort connector, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)	
Side ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
PCIe Mini Card	One PCI Express® Mini Card slot	
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2	
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter	
Ethernet	One gigabit ethernet port, Realtek® RTL8111E-VB	
Audio	High Definition (HD) Audio, Realtek ALC269Q	
Speaker	Two internal stereo speakers (2watt x 2)	
Intel AMT	None	
Modem	None	
IEEE 1394	None	
Security chip	Trusted Platform Module (TPM 1.2-compliant)	
Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo <i>Some:</i> Ultrastim Plus Wireless Keyboard (2.4GHz via USB receiver), black	
Mouse	<i>Some:</i> Enhanced Optical USB Mouse, black, Lenovo logo <i>Some:</i> Ultrastim Plus Wireless Mouse (2.4GHz via USB receiver), black	
Power supply	150 watts, autosensing, 85% PSU	
Machine	<i>Model(s) with multi-touch, Frame stand:</i> <ul style="list-style-type: none"> ● Business black color ● 20.0" W X 4.2" D X 16.2" H ● 507mm W X 107mm D X 411mm H (including stand) ● 17.5 lb (7.9 kg) in maximum configuration ● Handle in rear, removable feet ● Support VESA mount (100mm) 	Security <ul style="list-style-type: none"> ● Security chip (see information on left) ● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) ● Power-on password ● Administrator password ● Hard disk password ● Boot sequence control ● Boot without keyboard and mouse ● USB port disablement ● Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant TCO Certified Edge Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	

ThinkCentre M72z (3535) - Multi-touch - II

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Chassis intrusion switch	Serial port	PS/2 port	Stand type	Key-board/Mouse	Global	Win7 preload	Ann date (mm/dd/yy)
3535-D1G	i3-3220	4GBx1 1600MHz	2.0M	500G 7200	HD 2500	11b/g/n	Media	Switch	Serial	None	Frame	2.4G	None	Pro 64	09/04/12

●3-year limited warranty

Positioning Processor	<i>Mainstream All-In-One PC for the enterprise</i> Intel® Core™ i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller Processor in LGA1155 socket		Preloaded operating system²⁰ Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager● Business-in-a-Box Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Automatic Lock Utility● ThinkVantage Power Manager● View Management Utility● Microsoft Touch Pack● Lenovo Solution Center● Lenovo Message Center Plus● RapidBoot HDD Accelerator● Lenovo SimpleTap● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™ for Windows● Windows Live™ Essentials● Microsoft® Office preloaded; purchase a product key to activate● Corel® Burn.Now™ (DVD±RW)● Corel DVD MovieFactory® (DVD±RW)● InterVideo WinDVD® (DVD, DVD±RW)
Implementation	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz</i>		
DP dongle	None		
Display	20.0" (508mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 dynamic contrast ratio		
Multi-touch	Multi-touch, 2-point support		
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, physical switch on/off		
Controls	Front facing buttons for brightness up/auto, brightness down, and power on/off		
Disk	SATA 3.0Gb/s, 3.5" Wide, 7200 rpm		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Media reader	7-in-1 Single Slot SD media reader		
Chipset	Intel H61 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), DisplayPort connector, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)		
Side ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Realtek® RTL8111E-VB		
Audio	High Definition (HD) Audio, Realtek ALC269Q		
Speaker	Two internal stereo speakers (2watt x 2)		
Intel AMT	None		
Modem	None		
IEEE 1394	None		
Security chip	Trusted Platform Module (TPM 1.2-compliant)		
Keyboard	Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black		
Mouse	Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black		
Power supply	150 watts, autosensing, 85% PSU		
Machine	<i>Model(s) with multi-touch, Frame stand:</i> <ul style="list-style-type: none">● Business black color● 20.0" W X 4.2" D X 16.2" H● 507mm W X 107mm D X 411mm H (including stand)● 17.5 lb (7.9 kg) in maximum configuration● Handle in rear, removable feet● Support VESA mount (100mm)		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		

Security <ul style="list-style-type: none">● Security chip (see information on left)● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● USB port disablement● Chassis intrusion switch on selected model(s)
EPEAT™ Gold rating ENERGY STAR® 5.2-compliant TCO Certified Edge Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies

ThinkCentre M72z (3538) - Multi-touch (GMP)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Chassis intrusion switch	Serial port	PS/2 port	Stand type	Key-board/ Mouse	Global (G) GMP (P)	Win7 preload	Ann date (mm/dd/yy)
3538-A2G	i5-3550S	4GBx1 1600MHz	2.0M	250G 7200	HD 2500	11b/g/n	Media	Switch	None	None	Frame	USB	G P	Pro 64	06/05/12
3538-A3G	i5-3570S	4GBx1 1600MHz	2.0M	500G 7200	HD 2500	11b/g/n	Media	Switch	None	None	Frame	USB	G P	Pro 64	08/14/12

●Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning Processor	Mainstream All-In-One PC for the enterprise Intel® Core™ i5-3550S Processor (4 cores / 4 threads, 3.0GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), integrated Intel HD 2500 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i5-3570S Processor (4 cores / 4 threads, 3.1GHz, 6MB cache), Turbo Boost 2.0 (3.8GHz), integrated Intel HD 2500 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket										Preloaded operating system²⁰ Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) ● Rescue and Recovery™ ● Password Manager ● Business-in-a-Box Preloaded applications (only some listed) ● ThinkVantage® Product Recovery ● ThinkVantage System Update ● ThinkVantage Communication Utility ● ThinkVantage Automatic Lock Utility ● ThinkVantage Power Manager ● View Management Utility ● Microsoft Touch Pack ● Lenovo Solution Center ● Lenovo Message Center Plus ● RapidBoot HDD Accelerator ● Lenovo SimpleTap ● Norton™ Internet Security (30 days of virus definitions) ● Adobe® Reader® ● Skype™ for Windows ● Windows Live™ Essentials ● Microsoft® Office preloaded; purchase a product key to activate ● Corel® Burn.Now™ (DVD±RW) ● Corel DVD MovieFactory® (DVD±RW) ● InterVideo WinDVD® (DVD, DVD±RW)				
Implementation															
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)														
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz</i>														
DP dongle	None														
Display	20.0" (508mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 dynamic contrast ratio														
Multi-touch	Multi-touch, 2-point support														
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, physical switch on/off														
Controls	Front facing buttons for brightness up/auto, brightness down, and power on/off														
Disk	SATA 3.0Gb/s, 3.5" Wide, 7200 rpm														
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable														
Media reader	7-in-1 Single Slot SD media reader														
Chipset	Intel H61 Express Chipset														
Rear ports	Four USB 2.0, ethernet (RJ-45), DisplayPort connector, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)														
Side ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)														
PCIe Mini Card	One PCI Express® Mini Card slot														
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2														
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter														
Ethernet	One gigabit ethernet port, Realtek® RTL8111E-VB														
Audio	High Definition (HD) Audio, Realtek ALC269Q														
Speaker	Two internal stereo speakers (2watt x 2)														
Intel AMT	None														
Modem	None														
IEEE 1394	None														
Security chip	Trusted Platform Module (TPM 1.2-compliant)														
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo														
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo														
Power supply	150 watts, autosensing, 85% PSU														
Machine	Model(s) with multi-touch, Frame stand: ● Business black color ● 20.0" W X 4.2" D X 16.2" H ● 507mm W X 107mm D X 411mm H (including stand) ● 17.5 lb (7.9 kg) in maximum configuration ● Handle in rear, removable feet ● Support VESA mount (100mm)										Security ● Security chip (see information on left) ● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) ● Power-on password ● Administrator password ● Hard disk password ● Boot sequence control ● Boot without keyboard and mouse ● USB port disablement ● Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant TCO Certified Edge Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant				
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available										Supports ThinkVantage Technologies				

ThinkCentre M72z (3538) - Multi-touch (GMP) - Thin Client

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	SATA optical	Graphics	PCIe Mini Card WLAN	Media reader	Chassis intrusion switch	Serial port	PS/2 port	Stand type	Key-board/Mouse	Global (G) GMP (P)	Win7 preload (mm/dd/yy)	Ann date
3538-A5G	G460	2GBx1 1600MHz	2.0M	8G SSD	None	Intel HD	11b/g/n	None	Switch	Serial	None	Frame	USB	G P	Emb 32	11/20/12
3538-A6G	G465	2GBx1 1600MHz	2.0M	8G SSD	None	Intel HD	11b/g/n	None	Switch	Serial	None	Frame	USB	G P	Emb 32	01/08/13
3538-A7G	G470	2GBx1 1600MHz	2.0M	8G SSD	None	Intel HD	11b/g/n	None	Switch	Serial	None	Frame	USB	G P	Emb 32	07/23/13

●Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning Processor	Mainstream All-In-One PC for the enterprise Intel® Celeron® G460 Processor (1 core / 2 threads, 1.8GHz, 1.5MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller Intel Celeron G465 Processor (1 core / 2 threads, 1.9GHz, 1.5MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller Intel Celeron G470 Processor (1 core / 2 threads, 2.0GHz, 1.5MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller Processor in LGA1155 socket		Preloaded operating system²⁰ Genuine Windows® 7 Embedded 32 Preloaded applications (only some listed) <ul style="list-style-type: none">● Adobe® Reader®● Adobe Flash® Player● Citrix® Receiver● IIS Web Server● Microsoft® Management Console● Microsoft Silverlight● Remote Desktop Protocol● ThinPrint .print Client● TightVNC Viewer● VMware® View Client● vWorkspace● Windows Media Player
Implementation			
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook), <i>System automatically clocks down for processors with 1066MHz DDR3 memory controller</i>		
Graphics	Intel HD Graphics in processor, uses main memory, HDCP, DirectX® 10.1, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz</i>		
DP dongle	None		
Display	20.0" (508mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 dynamic contrast ratio		
Multi-touch	Multi-touch, 2-point support		
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, physical switch on/off		
Controls	Front facing buttons for brightness up/auto, brightness down, and power on/off		
Disk	Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" Wide		
Optical	None		
Media reader	None		
Chipset	Intel H61 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), DisplayPort connector, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)		
Side ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Realtek® RTL8111E-VB		
Audio	High Definition (HD) Audio, Realtek ALC269Q		
Speaker	Two internal stereo speakers (2watt x 2)		
Intel AMT	None		
Modem	None		
IEEE 1394	None		
Security chip	Trusted Platform Module (TPM 1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Power supply	150 watts, autosensing, 85% PSU		
Machine	<i>Model(s) with multi-touch, Frame stand:</i> <ul style="list-style-type: none">● Business black color● 20.0" W X 4.2" D X 16.2" H● 507mm W X 107mm D X 411mm H (including stand)● 17.5 lb (7.9 kg) in maximum configuration● Handle in rear, removable feet● Support VESA mount (100mm)		
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		
			Security <ul style="list-style-type: none">● Security chip (see information on left)● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● USB port disablement● Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant TCO Certified Edge Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies



ThinkCentre M73z with Frame Stand
and optional wireless keyboard and mouse



ThinkCentre M73z with Monitor Stand
and optional wireless keyboard and mouse



ThinkCentre M73z with Frame Stand
with optional PS/2 and Serial ports



ThinkCentre M73z with Monitor Stand
with optional PS/2 and Serial ports



ThinkCentre M73z with Frame Stand
with optional wireless keyboard and mouse



ThinkCentre M73z with Monitor Stand
with optional wireless keyboard and mouse

ThinkCentre M73z (10BC) - TopSeller (1-year Onsite)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ⁹	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Chassis intrusion switch	Serial & PS/2 port	Stand type	Key-board/Mouse	Global	Preload	Ann date (mm/dd/yy)
10BC000J++	G3220	4GBx1	None	500G 7200	Intel HD	N2230	Media	Switch	None	Frame	USB	None	Win7 Pro64 DG	09/24/13
10BC000K++	i3-4130	4GBx1	720p	500G 7200	HD 4400	N2230	Media	Switch	None	Monitor	USB	None	Win7 Pro64 DG	09/24/13
10BC000L++	i3-4130	4GBx1	720p	500G Hybrid	HD 4400	N2230	Media	Switch	None	Monitor	2.4G	None	Win7 Pro64 DG	09/24/13
10BC000MIX	G3220	4GBx1	None	500G 7200	Intel HD	N2230	Media	Switch	None	Frame	USB	None	Win7 Pro64 DG	11/12/13
10BC000NIX	i3-4130	4GBx1	720p	500G 7200	HD 4400	N2230	Media	Switch	None	Monitor	USB	None	Win7 Pro64 DG	11/12/13
10BC000PIX	i3-4130	4GBx1	720p	500G Hybrid	HD 4400	N2230	Media	Switch	None	Monitor	2.4G	None	Win7 Pro64 DG	11/12/13
10BC0017++	i3-4150	4GBx1	720p	500G Hybrid	HD 4400	N7260	Media	Switch	None	Monitor	2.4G	None	Win7 P64 DG Win8.1	07/15/14
10BC0018++	i3-4150	4GBx1	720p	500G 7200	HD 4400	N7260	Media	Switch	None	Monitor	USB	None	Win7 P64 DG Win8.1	07/15/14
10BC0019++	G3240	4GBx1	None	500G 7200	Intel HD	N7260	Media	Switch	None	Frame	USB	None	Win7 P64 DG Win8.1	07/15/14

Country Code"+": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)
 Note: models listed above might not be available in all WE countries

Positioning Processor	Mainstream All-In-One PC for the enterprise Intel® Pentium® G3220 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Pentium G3240 Processor (2 cores / 2 threads, 3.1GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i3-4150 Processor (2 cores / 4 threads, 3.5GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system²⁰ <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit
Implementation			Ready to install applications (only some listed)
Memory	16GB max, 1600MHz DDR3L , two 204-pin SODIMM sockets (notebook) *System automatically clocks down for processors with 1333MHz memory controller		<ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed)
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, external digital monitor support via VGA, supports dual independent display; <i>Maximum resolution:</i> 1600x900 (panel) @60Hz; 1920x1200 (VGA) @60Hz (Reduced Blanking)		<ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Device Experience• ThinkVantage AutoLock• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Nitro Pro
DP dongle	None		
Display	20.0" (508mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio		
Multi-touch	None		
Camera	Optional camera on top of screen, 1.0-megapixel, fixed focus, supports 720p, with digital microphone, physical switch on/off		
Controls	Side buttons for brightness up, brightness down, and power on/off		
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high		
Media reader	Optional 7-in-1 Single Slot media reader, via internal USB 2.0		
Chipset	Intel H81 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), VGA out connector, optional serial (9-pin), two optional PS/2 ports (keyboard and mouse)		
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, Intel Centrino® Wireless-N 2230, Wi-Fi + BT4.0 combo, 2x2 <i>Some:</i> 11b/g/n wireless, Intel Wireless-N 7260, Wi-Fi + BT4.0 combo, 2x2 <i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter		
Bluetooth	One gigabit ethernet port, Intel I217-V		
Ethernet	High Definition (HD) Audio, Realtek ALC269VC		
Audio	Two internal stereo speakers (2watt x 2)		
Speaker	None		
Intel AMT	None		
Modem	None		
IEEE 1394	None		
Security chip	Trusted Platform Module (TPM 1.2-compliant)		
Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), Lenovo® logo <i>Some:</i> Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black		
Mouse	<i>Some:</i> Enhanced Optical USB Mouse, Lenovo logo <i>Some:</i> Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black		
Power supply	150 watts, autosensing, 85% PSU		
Mechanical	<ul style="list-style-type: none">• Business black color• Carry handle in rear• Support VESA mount (100mm) <i>With Frame stand:</i> 19.9" W X 3.56" D X 15.9" H 506mm W X 90.5mm D X 404.75mm H 16.4 lb (7.46 kg) in maximum configuration Adjustable stand (between 10° and 35°) <i>With Monitor stand:</i> 19.9" W X 9.83" D X 16.7" H 506mm W X 249.8mm D X 423.9mm H 19.5 lb (8.84 kg) in maximum configuration Tilt: 10° to 25°; Lift: 110mm; Swivel: +/-45°		
Limited Warranty	1-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		Security <ul style="list-style-type: none">• Security chip (see information on left)• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• USB port disablement• Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 6.0-compliant Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant EuP 2013 Certified Supports ThinkVantage Technologies

See footnotes for important warranty information

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ThinkCentre M73z (10BC) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ⁹	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Chassis intrusion switch	Serial port	Stand type	Key-board/Mouse	Global	Preload	Ann date (mm/dd/yy)
10BC0012++	i5-4430S	8GBx1	720p	500G 7200	HD 4600	N7260	Media	Switch	None	Frame	2.4G	None	Win7 P64 DG	Win8.1 02/11/14
10BC0016++	i5-4460S	8GBx1	720p	500G 7200	HD 4600	N7260	Media	Switch	None	Frame	2.4G	None	Win7 P64 DG	Win8.1 07/15/14

Country Code"+": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

- Small and medium business (SMB) model(s), part of the Westen Europe TopSeller™ Program
- 3-year limited warranty

Positioning Processor	<i>Mainstream All-In-One PC for the enterprise</i> Intel® Core™ i5-4430S Processor (4 cores / 4 threads, 2.7GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4460S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.4GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller		Preloaded operating system ²⁰ Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) ● Rescue and Recovery™ ● Password Manager Preloaded applications (only some listed) ● ThinkVantage® Product Recovery ● ThinkVantage System Update ● ThinkVantage Communication Utility ● ThinkVantage Device Experience ● ThinkVantage AutoLock ● Desktop Power Manager ● View Management Utility ● Lenovo Cloud Storage by SugarSync ● Lenovo Solution Center ● Lenovo Message Center Plus ● Norton™ Internet Security (30 days of virus definitions) ● Adobe® Reader® ● Skype™ ● Microsoft Office preloaded; purchase a product key to activate ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Evernote ● Intel AppUp ● Nitro Pro
Implementation	Processor in LGA1150 socket		
Memory	16GB max, 1600MHz DDR3L , two 204-pin SODIMM sockets (notebook) *System automatically clocks down for processors with 1333MHz memory controller		
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, external digital monitor support via VGA, supports dual independent display; <i>Maximum resolution:</i> 1600x900 (panel)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)		
DP dongle	None		
Display	20.0" (508mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio		
Multi-touch	None		
Camera	Optional camera on top of screen, 1.0-megapixel, fixed focus, supports 720p, with digital microphone, physical switch on/off		
Controls	Side buttons for brightness up, brightness down, and power on/off		
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high		
Media reader	Optional 7-in-1 Single Slot media reader, via internal USB 2.0		
Chipset	Intel H81 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), VGA out connector, optional serial (9-pin), two optional PS/2 ports (keyboard and mouse)		
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Intel I217-V		
Audio	High Definition (HD) Audio, Realtek ALC269VC		
Speaker	Two internal stereo speakers (2watt x 2)		
Intel AMT	None		
Modem	None		
IEEE 1394	None		
Security chip	Trusted Platform Module (TPM 1.2-compliant)		
Keyboard	<i>Some:</i> Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black		
Mouse	<i>Some:</i> Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black		
Power supply	150 watts, autosensing, 85% PSU		
Mechanical	● Business black color ● Carry handle in rear ● Support VESA mount (100mm) <i>With Frame stand:</i> 19.9" W X 3.56" D X 15.9" H 506mm W X 90.5mm D X 404.75mm H 16.4 lb (7.46 kg) in maximum configuration Adjustable stand (between 10° and 35°) <i>With Monitor stand:</i> 19.9" W X 9.83" D X 16.7" H 506mm W X 249.8mm D X 423.9mm H 19.5 lb (8.84 kg) in maximum configuration Tilt: 10° to 25°; Lift: 110mm; Swivel: +/-45°		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		
			EPEAT™ Gold rating ENERGY STAR® 6.0-compliant Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant EuP 2013 Certified Supports ThinkVantage Technologies

See footnotes for important warranty information

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ThinkCentre M73z (10BB) - GMP

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Chassis intrusion switch	Serial & PS/2 port	Stand type	Key-board/Mouse	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10BB000E++	i5-4570S	4GBx1 1600MHz	720p	500G 7200	HD 4600	N2230	Media	Switch	None	Monitor	USB	G P	Win7 Pro64 DG	09/24/13
10BB001D++	i5-4570S	4GBx1 1600MHz	720p	500G 7200	HD 4600	N2230	Media	Switch	None	Frame	USB	G P	Win7 Pro64	09/24/13
10BB002V++	i3-4130	4GBx1 1600MHz	720p	500G 7200	HD 4400	N2230	Media	Switch	None	Monitor	USB	G P	Win7 Pro64 DG	09/24/13
10BB004Q++	i5-4590S	4GBx1 1600MHz	720p	500G 7200	HD 4600	N2230	Media	Switch	None	Frame	USB	G P	Win7 Pro64	06/24/14
10BB004T++	i5-4590S	4GBx1 1600MHz	720p	500G 7200	HD 4600	N7260	Media	Switch	None	Frame	USB	G P	Win7 Pro64	06/24/14
10BB004R++	i3-4150	4GBx1 1600MHz	720p	500G 7200	HD 4400	N7260	Media	Switch	None	Monitor	USB	G P	Win7 P64 DG Win 8.1	07/15/14
10BB004S++	i5-4590S	4GBx1 1600MHz	720p	500G 7200	HD 4600	N7260	Media	Switch	None	Monitor	USB	G P	Win7 P64 DG Win 8.1	07/15/14

Country Code "+-": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

Positioning Processor	Mainstream All-In-One PC for the enterprise Intel® Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i3-4150 Processor (2 cores / 4 threads, 3.5GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590S Processor (4 cores / 4 threads, 3.0GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system²⁰ <i>Some:</i> Windows 7 Professional 64 <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit	
Implementation			Ready to install applications (only some listed)	
Memory	16GB max, 1600MHz DDR3L , two 204-pin SODIMM sockets (notebook)		<ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed)	
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, external digital monitor support via VGA, supports dual independent display; <i>Maximum resolution:</i> 1600x900 (panel) @ 60Hz; 1920x1200 (VGA) @ 60Hz (Reduced Blanking)		<ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Device Experience● ThinkVantage AutoLock● Desktop Power Manager● View Management Utility● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Message Center Plus● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™● Microsoft Office preloaded; purchase a product key to activate● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Evernote● Intel AppUp● Nitro Pro	
DP dongle	None			
Display	20.0" (508mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio			
Multi-touch	None			
Camera	Optional camera on top of screen, 1.0-megapixel, fixed focus, supports 720p, with digital microphone, physical switch on/off			
Controls	Side buttons for brightness up, brightness down, and power on/off			
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm			
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high			
Media reader	Optional 7-in-1 Single Slot media reader, via internal USB 2.0			
Chipset	Intel H81 Express Chipset			
Rear ports	Four USB 2.0, ethernet (RJ-45), VGA out connector, optional serial (9-pin), two optional PS/2 ports (keyboard and mouse)			
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
PCIe Mini Card	One PCI Express® Mini Card slot			
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, Intel Centrino® Wireless-N 2230, Wi-Fi + BT4.0 combo, 2x2 <i>Some:</i> 11b/g/n wireless, Intel Wireless-N 7260, Wi-Fi + BT4.0 combo, 2x2 <i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter			
Bluetooth	One gigabit ethernet port, Intel I217-V			
Ethernet	High Definition (HD) Audio, Realtek ALC269VC			
Audio	Two internal stereo speakers (2watt x 2)			
Speaker	None			
Intel AMT	None			
Modem	None			
IEEE 1394	None			
Security chip	Trusted Platform Module (TPM 1.2-compliant)		Security <ul style="list-style-type: none">● Security chip (see information on left)● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● USB port disablement● Chassis intrusion switch on selected model(s)	
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo		EPEAT™ Gold rating	
Mouse	Enhanced Optical USB Mouse, Lenovo logo		ENERGY STAR® 6.0-compliant	
Power supply	150 watts, autosensing, 85% PSU		Cisco EnergyWise compatible	
Mechanical	<ul style="list-style-type: none">● Business black color● Carry handle in rear● Support VESA mount (100mm) <i>With Frame stand:</i> 19.9" W X 3.56" D X 15.9" H 506mm W X 90.5mm D X 404.75mm H 16.4 lb (7.46 kg) in maximum configuration Adjustable stand (between 10° and 35°) <i>With Monitor stand:</i> 19.9" W X 9.83" D X 16.7" H 506mm W X 249.8mm D X 423.9mm H 19.5 lb (8.84 kg) in maximum configuration Tilt: 10° to 25°; Lift: 110mm; Swivel: +/-45°		GREENGUARD® certified	
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		RoHS-compliant EuP 2013 Certified Supports ThinkVantage Technologies	

See footnotes for important warranty information

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(G-MDST1-2) July 2014

ThinkCentre M73z (10BB) - GMP (Win8/8.1)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Chassis intrusion switch	Serial & PS/2 port	Stand type	Key-board/ Mouse	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10BB001C++	i5-4570S	4GBx1 1600MHz	720p	500G 7200	HD 4600	N2230	Media	Switch	None	Frame	USB	G P	Win8 Pro64	09/24/13
10BB003V++	i5-4570S	4GBx1 1600MHz	720p	500G 7200	HD 4600	N7260	Media	Switch	None	Frame	USB	G P	Win8.1 Pro64	02/25/14
10BB004P++	i5-4590S	4GBx1 1600MHz	720p	500G 7200	HD 4600	N7260	Media	Switch	None	Frame	USB	G P	Win8.1 Pro64	06/24/14

Country Code"+-": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

- Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning	Mainstream All-In-One PC for the enterprise										Preloaded operating system			
Processor	Intel® Core™ i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590S Processor (4 cores / 4 threads, 3.0GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket										Some: Windows® 8 Pro 64-bit Some: Windows 8.1 Pro 64-bit			
Implementation	Processor in LGA1150 socket										Web install applications (only some listed)			
Memory	16GB max, 1600MHz DDR3L , two 204-pin SODIMM sockets (notebook)										• Password Manager			
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, external digital monitor support via VGA, supports dual independent display; <i>Maximum resolution:</i> 1600x900 (panel) @60Hz; 1920x1200 (VGA) @60Hz (Reduced Blanking)										Preloaded applications (only some listed)			
DP dongle	None										• ThinkVantage System Update			
Display	20.0" (508mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio										• ThinkVantage AutoLock			
Multi-touch	None										• Desktop Power Manager			
Camera	Optional camera on top of screen, 1.0-megapixel, fixed focus, supports 720p, with digital microphone, physical switch on/off										• View Management Utility (for Windows 8 only)			
Controls	Side buttons for brightness up, brightness down, and power on/off										• Lenovo Cloud Storage by SugarSync (for Windows 8 only)			
Disk	Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm										• Lenovo Solution Center			
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high										• Lenovo Support			
Media reader	Optional 7-in-1 Single Slot media reader, via internal USB 2.0										• Lenovo Companion			
Chipset	Intel H81 Express Chipset										• Norton Internet Security (30 days of virus definitions)			
Rear ports	Four USB 2.0, ethernet (RJ-45), VGA out connector, optional serial (9-pin), two optional PS/2 ports (keyboard and mouse)										• Skype™			
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)										• Microsoft Office preloaded; purchase a product key to activate			
PCIe Mini Card	One PCI Express® Mini Card slot										• Cyberlink PowerDVD (DVD±RW, DVD)			
PCIe WLAN	Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2										• Cyberlink Power2Go (DVD±RW)			
	Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2										• Cyberlink PowerProducer (DVD±RW)			
Bluetooth	Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter										• Evernote®			
Ethernet	One gigabit ethernet port, Intel I217-V										• Intel AppUp			
Audio	High Definition (HD) Audio, Realtek ALC269VC										• Nitro Pro			
Speaker	Two internal stereo speakers (2watt x 2)										• AccuWeather			
Intel AMT	None										• Norton™ Studio			
Modem	None										• Pokki (for Windows 8.1 only)			
IEEE 1394	None										• Hightail (for Windows 8.1 only)			
Security chip	Trusted Platform Module (TPM 1.2-compliant)										Security			
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo										• Security chip (see information on left)			
Mouse	Enhanced Optical USB Mouse, Lenovo logo										• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)			
Power supply	150 watts, autosensing, 85% PSU										• Power-on password			
Mechanical	• Business black color • Carry handle in rear • Support VESA mount (100mm) <i>With Frame stand:</i> 19.9" W X 3.56" D X 15.9" H 506mm W X 90.5mm D X 404.75mm H 16.4 lb (7.46 kg) in maximum configuration Adjustable stand (between 10° and 35°) <i>With Monitor stand:</i> 19.9" W X 9.83" D X 16.7" H 506mm W X 249.8mm D X 423.9mm H 19.5 lb (8.84 kg) in maximum configuration Tilt: 10° to 25°; Lift: 110mm; Swivel: +/-45°										• Administrator password			
											• Hard disk password			
											• Boot sequence control			
											• Boot without keyboard and mouse			
											• USB port disablement			
											• Chassis intrusion switch on selected model(s)			
											EPEAT™ Gold rating			
											ENERGY STAR® 6.0-compliant			
											Cisco EnergyWise compatible			
											GREENGUARD® certified			
											RoHS-compliant			
											EuP 2013 Certified			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available										Supports ThinkVantage Technologies			

See footnotes for important warranty information

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ThinkCentre M78 Small and Tower

ThinkCentre®



Lenovo ThinkCentre M78
Small and Tower



Lenovo ThinkCentre M78 Tower
with Lenovo ThinkVision Monitor



Lenovo ThinkCentre M78 Small



Lenovo ThinkCentre M78 Small
with Lenovo ThinkVision Monitor



Lenovo ThinkCentre M78 Tower



Lenovo ThinkCentre M78 Tower

ThinkCentre M78 Small (10BS) - ES 5.2 (GMP)

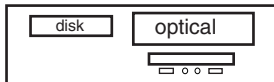
Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Chassis Intrusion switch	PS/2 port	Floor stand	DP to DP Cable	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10BS0006++	4x3	A6-5400B	4GBx1	500G 7200	DVD±RW	None	None	HD 7540D	Switch	None	Stand	None	G P	Win7 Pro64 (DG)	10/01/13
10BS0007++	4x3	A4-5300B	2GBx1	500G 7200	DVD	None	None	HD 7480D	Switch	None	Stand	None	G P	Win7 Pro64	10/01/13
10BS000B++	4x3	A8-5500B	4GBx1	1TB 7200	DVD±RW	N105	None	HD 8470	Switch	None	Stand	None	G P	Win7 Pro64 (DG)	10/01/13

Country Code"++": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

●Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning Processor	Mainstream enterprise stability and manageability AMD APU A4-5300B (dual-core, 3.4GHz, 1MB L2 cache), Turbo Core (up to 3.6GHz), AMD Radeon™ HD 7480D Graphics, DDR3 memory controller (up to 1600MHz) AMD APU A6-5400B (dual-core, 3.6GHz, 1MB L2 cache), Turbo Core (up to 3.8GHz), AMD Radeon HD 7540D Graphics, DDR3 memory controller (up to 1866MHz) AMD APU A8-5500B (quad-core, 3.2GHz, 4MB L2 cache), Turbo Core (up to 3.7GHz), AMD Radeon HD 7560D Graphics, DDR3 memory controller (up to 1866MHz) Processor in Socket FM2		Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Power Manager• View Management Utility• PC Device Stage• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Evernote®• Microsoft® Office preloaded; purchase a product key to activate• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Nitro Pro	
Implementation	Processor in Socket FM2			
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets			
Graphics	AMD Radeon HD Graphics , integrated in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display, works along with optional discrete graphics to support up to four independent monitors; <i>Maximum resolution:</i> 1920x1200 (VGA)@60Hz; 2560x2048 (DisplayPort)@60Hz <i>Some:</i> AMD Radeon™ HD 8470 , DirectX 11, 3D Hardware Acceleration, 512MB, PCI Express® 2.0 x16 adapter, one VGA, one DisplayPort, 25 watts, <i>Max resolution:</i> 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz			
DP cable	None			
Disk	SATA 6.0Gb/s 7200 rpm			
Optical	<i>Some:</i> DVD-ROM DL SATA 1.5Gb/s Drive <i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1			
Onboard SATA	Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar			
eSATA port	None			
Media reader	None			
Chipset	AMD A75 Chipset			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort, optional keyboard (PS/2), optional mouse (PS/2)			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)			
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, Intel Centrino® Wireless-N 105, 1x1			
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB device)			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
Speaker	Internal speaker for business audio			
IEEE 1394	None			
Ethernet	One gigabit ethernet port, Realtek RTL8111E, Wake on LAN®			
Modem	None			
Security chip	Trusted Platform Module (TPM 1.2-compliant)			
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Floor Stand	System floor stand for vertical orientation			
Power supply	240 watts, autosensing, 85% PSU			
Machine	<ul style="list-style-type: none">• Business black color; metal case• 13.3" W X 15.0" D X 3.9" H• 339mm W X 381mm D X 100mm H• 16.5 lb (7.5 kg) in maximum configuration• Toolless cover flips up and tilts backward on rear hinges• Toolless disk and optical drive removal• Toolless adapter retention			
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 3.5", .5" high, access, opt reader			
Slot	Slot 1: Low Profile, PCI Express 2.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, 32-bit PCI 2.3 Slot 4: Low Profile, 32-bit PCI 2.3			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available			
		Security <ul style="list-style-type: none">• Security chip (see information on left)• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)• Cable lock• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Individual USB port disablement• Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR 5.2-compliant ULE Gold RoHS-compliant Supports ThinkVantage Technologies		

See footnotes for important warranty information
WE model(s) announced October 1, 2013

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ThinkCentre M78 Tower (10BN) - ES 5.2

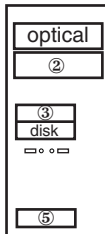
Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ⁸	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Chassis intrusion switch	PS/2 port	DP to DP Cable	Global	Preload	Ann date (mm/dd/yy)
10BN0000++	4x5	A6-5400B	4GBx1	500G 7200	DVD±RW	N105	None	HD 7540D	Switch	None	None	None	Win7 Pro64	10/01/13

Country Code"++": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)
 Note: models listed above might not be available in all WE countries

●3-year limited warranty

Positioning	Mainstream enterprise stability and manageability		Preloaded operating system Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Power Manager● View Management Utility● PC Device Stage● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Message Center Plus● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™● Evernote®● Microsoft® Office preloaded; purchase a product key to activate● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Nitro Pro
Processor	AMD APU A6-5400B (dual-core, 3.6GHz, 1MB L2 cache), Turbo Core (up to 3.8GHz), AMD Radeon™ HD 7540D Graphics, DDR3 memory controller (up to 1866MHz) Processor in Socket FM2		
Implementation			
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets		
Graphics	AMD Radeon HD Graphics , integrated in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution: 1920x1200 (VGA) @60Hz; 2560x2048 (DisplayPort) @60Hz</i>		
DP cable	None		
Disk	<i>Some:</i> SATA 6.0Gb/s 7200 rpm		
Optical	<i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1		
Onboard SATA	Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar		
eSATA port	None		
Media reader	None		
Chipset	AMD A75 Chipset		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort, optional keyboard (PS/2), optional mouse (PS/2)		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)		
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, Intel Centrino® Wireless-N 105, 1x1		
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB device)		
Audio	High Definition (HD) Audio, Realtek® ALC662 codec		
Speaker	Internal speaker for business audio		
IEEE 1394	None		
Ethernet	One gigabit ethernet port, Realtek RTL8111E, Wake on LAN®		
Modem	None		
Security chip	Trusted Platform Module (TPM 1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Power supply	280 watts, autosensing, 85% PSU		
Machine	<ul style="list-style-type: none">● Business black color; metal case● 6.9" W X 17.4" D X 16.3" H● 175mm W X 442mm D X 414mm H● 27.5 lb (12.5 kg) in maximum configuration● Toolless cover removal, toolless adapter retention● Toolless disk, optical drive removal		
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader* Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk* *bay only available on models with HDD/SSD/reader installed		
Slot	Slot 1: half-length, full-height, PCI Express 2.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		



EPEAT™ Gold rating
ENERGY STAR 5.2-compliant
ULE Gold
RoHS-compliant
Supports ThinkVantage Technologies

See footnotes for important warranty information

WE model(s) announced October 1, 2013

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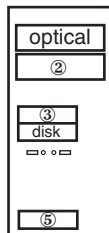
ThinkCentre M78 Tower (10BN) - ES 5.2 (GMP)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ⁸	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Chassis intrusion switch	PS/2 port	DP to DP Cable	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10BN0005++	4x5	A4-5300B	2GBx1	500G 7200	DVD	None	None	HD 7480D	Switch	None	None	G P	Win7 Pro64	10/01/13
10BN0007++	4x5	A6-5400B	4GBx1	500G 7200	DVD±RW	None	None	HD 7540D	Switch	None	None	G P	Win7 Pro64 (DG)	10/01/13
10BN000B++	4x5	A8-5500B	4GBx1	1TB 7200	DVD±RW	N105	None	HD 8470	Switch	None	None	G P	Win7 Pro64 (DG)	10/01/13

Country Code"++": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)
 Note: models listed above might not be available in all WE countries

●Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning	Mainstream enterprise stability and manageability										Preloaded operating system			
Processor	AMD APU A4-5300B (dual-core, 3.4GHz, 1MB L2 cache), Turbo Core (up to 3.6GHz), AMD Radeon™ HD 7480D Graphics, DDR3 memory controller (up to 1600MHz) AMD APU A6-5400B (dual-core, 3.6GHz, 1MB L2 cache), Turbo Core (up to 3.8GHz), AMD Radeon HD 7540D Graphics, DDR3 memory controller (up to 1866MHz) AMD APU A8-5500B (quad-core, 3.2GHz, 4MB L2 cache), Turbo Core (up to 3.7GHz), AMD Radeon HD 7560D Graphics, DDR3 memory controller (up to 1866MHz) Processor in Socket FM2										Some: Windows® 7 Professional 64 Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit			
Implementation	Processor in Socket FM2										Ready to install applications (only some listed)			
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets										● Rescue and Recovery™ ● Password Manager			
Graphics	AMD Radeon HD Graphics, integrated in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display, works along with optional discrete graphics to support up to four independent monitors; Maximum resolution: 1920x1200 (VGA)@60Hz; 2560x2048 (DisplayPort)@60Hz Some: AMD Radeon™ HD 8470, DirectX 11, 3D Hardware Acceleration, 512MB, PCI Express® 2.0 x16 adapter, one VGA, one DisplayPort, 25 watts, Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz										Preloaded applications (only some listed)			
DP cable	None										● ThinkVantage® Product Recovery ● ThinkVantage System Update ● ThinkVantage Communication Utility ● ThinkVantage Power Manager ● View Management Utility ● PC Device Stage ● Lenovo Cloud Storage by SugarSync ● Lenovo Solution Center ● Lenovo Message Center Plus ● Norton™ Internet Security (30 days of virus definitions) ● Adobe® Reader® ● Skype™ ● Evernote® ● Microsoft® Office preloaded; purchase a product key to activate ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Nitro Pro			
Disk	Some: SATA 6.0Gb/s 7200 rpm													
Optical	Some: DVD-ROM DL SATA 1.5Gb/s Drive Some: Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive													
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1													
Onboard SATA	Two SATA cables (each 1-drop to device), four SATA 6.0Gb/s connectors on planar													
eSATA port	None													
Media reader	None													
Chipset	AMD A75 Chipset													
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)													
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort, optional keyboard (PS/2), optional mouse (PS/2)													
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)													
PCIe WLAN	Some: 11b/g/n wireless, Intel Centrino® Wireless-N 105, 1x1													
Internal connector	Two USB 2.0 planar conn (1 used; one open for additional USB device)													
Audio	High Definition (HD) Audio, Realtek® ALC662 codec													
Speaker	Internal speaker for business audio													
IEEE 1394	None													
Ethernet	One gigabit ethernet port, Realtek RTL8111E, Wake on LAN®													
Modem	None													
Security chip	Trusted Platform Module (TPM 1.2-compliant)													
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo													
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo													
Power supply	280 watts, autosensing, 85% PSU													
Machine	● Business black color; metal case ● 6.9" W X 17.4" D X 16.3" H ● 175mm W X 442mm D X 414mm H ● 27.5 lb (12.5 kg) in maximum configuration ● Toolless cover removal, toolless adapter retention ● Toolless disk, optical drive removal										Security			
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader* Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk* *bay only available on models with HDD/SSD/reader installed										● Security chip (see information on left) ● One lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable) ● Cable lock ● Power-on password ● Administrator password ● Hard disk password ● Boot sequence control ● Boot without keyboard and mouse ● Individual USB port disablement ● Chassis intrusion switch on selected model(s)			
Slot	Slot 1: half-length, full-height, PCI Express 2.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, 32-bit PCI 2.3 Slot 4: half-length, full-height, 32-bit PCI 2.3										EPEAT™ Gold rating ENERGY STAR 5.2-compliant ULE Gold RoHS-compliant			
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available										Supports ThinkVantage Technologies			

See footnotes for important warranty information

WE model(s) announced October 1, 2013

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(G-ADR1T-2) October 2013



ThinkCentre M79
SFF and Tower



ThinkCentre M79 SFF with
optional monitor



ThinkCentre M79 Tower with
optional monitor



ThinkCentre M79 SFF
front and back view



ThinkCentre M79 Tower
front and back view



ThinkCentre M79 SFF
inside view

ThinkCentre M79 SFF Platform Specifications

Product Specifications Reference (PSREF)

Processor	AMD A4, A6, A8, or A10 series APUs						Keyboard	Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo Some: Lenovo USB Fingerprint Keyboard (USB connector) Some: Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black Some: Enhanced Optical USB Mouse, black, Lenovo logo Some: Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black	
	APU	Cores	Frequency (Max/Base)	L2 Cache	Memory Types	Integrated Graphics	Mouse		
	A4-6300B	2	3.9 / 3.7	1MB	DDR3-1600	HD 8370D			
	A6-6400B	2	4.1 / 3.9	1MB	DDR3-1866	HD 8470D			
	A8-6500B	4	4.1 / 3.5	4MB	DDR3-1866	HD 8570D			
	A6 PRO-7400B	2	3.9 / 3.5	1MB	DDR3-1866	Radeon R5 Series			
	A8 PRO-7600B	4	3.8 / 3.1	4MB	DDR3-2133	Radeon R7 Series			
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets						Mechanical	<ul style="list-style-type: none">Business black color; metal case, 11L13.2" W X 15.0" D X 3.9" H335mm W X 382mm D X 101mm H14.6 lb (6.6 kg) in maximum configuration Bay 1: N/A, N/A, internal, opt SSD Bay 2: 5.25", 1.6" high, external, std disk Bay 3: N/A, N/A, external, opt reader Bay 4: 3.5", 1" high, internal, std disk *bay only available on models with HDD/SSD/reader installed Slot 1: Low Profile, PCI Express 3.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 2: Low Profile, PCIe 2.0 x1 Slot 4: Low Profile, 32-bit PCI 2.3 Optional system floor stand for vertical orientation	
Disk	Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm Some: 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide Some: 1TB (7200 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 3.5" wide						Floor Stand		
Optical	Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide Some: DVD-ROM SATA 1.5Gb/s Drive Some: Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive						Power supply	Some: 180 watts, autosensing, 100-240V (50-60Hz) Some: 240 watts, autosensing, 100-240V (50-60Hz) Some: 240 watts, autosensing, 85% PSU, 100-240V (50-60Hz)	
Onboard SATA Media reader	SATA 6.0Gb/s controller, three connectors on planar, RAID 0/1 support Optional 7-in-1 single slot media card reader						Limited warranty ³	Some: 3-years, limited onsite service / service upgrades available Some: 3-years, limited onsite service, IWS (International Warranty Service ⁹) / service upgrades available For Lenovo service upgrade options, please go to S-TC sheet	
Graphics	AMD Radeon™ Graphics in processor, uses main memory, one VGA, one DisplayPort™, one optional DP, supports up to three independent displays, works along with optional discrete graphics to support up to five independent displays; Maximum resolution: 1920x1200 (VGA)@60Hz; 2560x2048 (DisplayPort)@60Hz Some: AMD Radeon HD 8570 , DirectX 11, 3D Hardware Acceleration, 2GB, PCI Express 3.0 x16 adapter (8x elec), one VGA, one HDMI, 40W; Max resolution: 4096x2160 (HDMI)@24Hz; 2048x1536 (VGA)@85Hz Some: NVIDIA® GeForce® GT 620 , DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz Some: AMD Radeon™ HD 7450 , DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 25 watts; Max resolution: 2560x1600 (DisplayPort, DVI-I)@60Hz Optional DisplayPort to DVI-D monitor cable						Preload	Some: Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Some: Windows 7 Professional 32 Some: Windows 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">Rescue and Recovery™Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">ThinkVantage® Product RecoveryThinkVantage System UpdateThinkVantage Communication UtilityThinkVantage Device ExperienceDesktop Power ManagerView Management UtilityLenovo Solution CenterLenovo Message Center PlusNorton™ Internet Security (30 days of virus definitions)Adobe® Reader®Skype™Microsoft Office preloaded; purchase a product key to activateCyberlink Power2Go (DVD±RW)Cyberlink PowerProducer (DVD±RW)Evernote®Nitro Pro	
DP cable	Optional DisplayPort to DVI-D monitor cable							Some: Windows 8.1 64-bit Some: Windows 8.1 Pro 64-bit Web install applications (only some listed) <ul style="list-style-type: none">Password ManagerPreloaded applications (only some listed)ThinkVantage System UpdateDesktop Power ManagerLenovo Solution CenterLenovo SupportLenovo CompanionLenovo SHAREitNorton Internet Security (30 days of virus definitions)Skype™Microsoft Office preloaded; purchase a product key to activateCyberlink PowerDVD (DVD±RW, DVD)Cyberlink Power2Go (DVD±RW)Cyberlink PowerProducer (DVD±RW)Evernote®Nitro ProAccuWeatherNorton™ StudioPokkiHightail	
Chipset	AMD A78 FCH						Environment	ENERGY STAR® 6.0 (Need 85% PSU and Windows OS); EPEAT™ Gold rating (Need 85% PSU and Windows OS); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)						Accessories	For compatible accessories, please go to TC-AQP sheet	
Rear ports	Up to six USB ports (2x USB 3.0 + 2x USB 2.0 + 2x optional USB 2.0), serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VGA, DisplayPort (1x standard + 1x optional), optional PS/2 ports								
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)								
IEEE 1394	Optional FireWire PCIe adapter, 1394a-2000, 400Mbps, two 6-pin ports on rear								
Audio support	High Definition (HD) Audio, Realtek ALC662 / internal speaker (1watt)								
WLAN ¹³	Some: 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8723BE, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1 Some: 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8192EE, Wi-Fi + Bluetooth 4.0 combo adapter, 2x2 Some: 11ac/b/g/n wireless, PCIe Half Mini Card, Broadcom BCM4352, dual band (2.4/5GHz), Wi-Fi + Bluetooth 4.0 combo adapter, 2x2								
Bluetooth™	Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								
Ethernet	One gigabit ethernet port, Realtek 8111EPV, Wake on LAN®								
Modem	None								
Manageability	Enhanced Manageability with DASH 1.1								
Security chip	Trusted Platform Module, TCG 1.2-compliant								
Security features	<ul style="list-style-type: none">Padlock loop (in rear for opt padlock)Security slot (in rear for optional Kensington® MicroSaver® cable)Cable lock to physically lock both keyboard and mouse (optional)Power-on passwordAdministrator passwordHard disk passwordBoot sequence controlBoot without keyboard and mouseIndividual USB port disablementOptional Chassis intrusion switch								

See footnotes for more detailed information

ThinkCentre M79 Tower Platform Specifications

Product Specifications Reference (PSREF)

Processor	AMD A4, A6, A8, or A10 series APUs						Keyboard	Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo Some: Lenovo USB Fingerprint Keyboard (USB connector) Some: Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black Some: Enhanced Optical USB Mouse, black, Lenovo logo Some: Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black			
	APU	Cores	Frequency (Max/Base)	L2 Cache	Memory Types	Integrated Graphics	Mouse				
	A4-6300B	2	3.9 / 3.7	1MB	DDR3-1600	HD 8370D	Mechanical	● Business black color; metal case, 20L ● 6.3" W X 16.6" D X 15.3" H (with handle) ● 160mm W X 422mm D X 388mm H ● 20.7 lb (9.4 kg) in maximum configuration Bay 1: 5.25", 1.6" high, access, std optical Bay 2: N/A, N/A, access, opt reader Bay 3: 3.5", 1" high, no access, std disk Bay 4: 3.5", 1" high, no access, opt disk *bay only available on models with HDD/SSD/reader installed Slot 1: half-length, full-height, PCIe 3.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1 Slot 4: half-length, full-height, 32-bit PCI 2.3			
	A6-6400B	2	4.1 / 3.9	1MB	DDR3-1866	HD 8470D					
	A8-6500B	4	4.1 / 3.5	4MB	DDR3-1866	HD 8570D					
	A6 PRO-7400B	2	3.9 / 3.5	1MB	DDR3-1866	Radeon R5 Series					
	A8 PRO-7600B	4	3.8 / 3.1	4MB	DDR3-2133	Radeon R7 Series					
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets										
Disk	Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm Some: 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide Some: 1TB (7200 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 3.5" wide										
Optical	Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide Some: DVD-ROM SATA 1.5Gb/s Drive Some: Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive										
Onboard SATA	SATA 6.0Gb/s controller, three connectors on planar, RAID 0/1 support										
Media reader	Optional 7-in-1 single slot media card reader										
Graphics	AMD Radeon™ Graphics in processor, uses main memory, one VGA, one DisplayPort™, one optional DP, supports up to three independent displays, works along with optional discrete graphics to support up to five independent displays; Maximum resolution: 1920x1200 (VGA)@60Hz; 2560x2048 (DisplayPort)@60Hz Some: AMD Radeon HD 8570 , DirectX 11, 3D Hardware Acceleration, 2GB, PCI Express 3.0 x16 adapter (8x elec), one VGA, one HDMI, 40W; Max resolution: 4096x2160 (HDMI)@24Hz; 2048x1536 (VGA)@85Hz Some: NVIDIA® GeForce® GT 620 , DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz Some: AMD Radeon™ HD 7450 , DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 25 watts; Max resolution: 2560x1600 (DisplayPort, DVI-I)@60Hz										
DP cable	Optional DisplayPort to DVI-D monitor cable										
Chipset	AMD A78 FCH										
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)										
Rear ports	Up to six USB ports (2x USB 3.0 + 2x USB 2.0 + 2x optional USB 2.0), serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VGA, DisplayPort (1x standard + 1x optional), optional PS/2 ports										
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)										
IEEE 1394	Optional FireWire PCIe adapter, 1394a-2000, 400Mbps, two 6-pin ports on rear										
Audio support	High Definition (HD) Audio, Realtek ALC662 / internal speaker (1.5watt)										
WLAN ¹³	Some: 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8723BE, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1 Some: 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8192EE, Wi-Fi + Bluetooth 4.0 combo adapter, 2x2 Some: 11ac/b/g/n wireless, PCIe Half Mini Card, Broadcom BCM4352, dual band (2.4/5GHz), Wi-Fi + Bluetooth 4.0 combo adapter, 2x2										
Bluetooth™	Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter										
Ethernet	One gigabit ethernet port, Realtek 8111EPV, Wake on LAN®										
Modem	None										
Manageability	Enhanced Manageability with DASH 1.1										
Security chip	Trusted Platform Module, TCG 1.2-compliant										
Security features	● Padlock loop (in rear for opt padlock) ● Security slot (in rear for optional Kensington® MicroSaver® cable) ● Cable lock to physically lock both keyboard and mouse (optional) ● Power-on password ● Administrator password ● Hard disk password ● Boot sequence control ● Boot without keyboard and mouse ● Individual USB port disablement ● Optional Chassis intrusion switch										
Power supply	Some: 180 watts, autosensing, 100-240V (50-60Hz) Some: 280 watts, autosensing, 100-240V (50-60Hz) Some: 280 watts, autosensing, 85% PSU, 100-240V (50-60Hz)										
Limited warranty ³	Some: 3-years, limited onsite service / service upgrades available Some: 3-years, limited onsite service, IWS (International Warranty Service ⁹) / service upgrades available For Lenovo service upgrade options, please go to S-TC sheet										
Preload	Some: Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Some: Windows 7 Professional 32 Some: Windows 7 Professional 64 Ready to install applications (only some listed) ● Rescue and Recovery™ ● Password Manager Preloaded applications (only some listed) ● ThinkVantage® Product Recovery ● ThinkVantage System Update ● ThinkVantage Communication Utility ● ThinkVantage Device Experience ● Desktop Power Manager ● View Management Utility ● Lenovo Solution Center ● Lenovo Message Center Plus ● Norton™ Internet Security (30 days of virus definitions) ● Adobe® Reader® ● Skype™ ● Microsoft Office preloaded; purchase a product key to activate ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Evernote® ● Nitro Pro Some: Windows 8.1 64-bit Some: Windows 8.1 Pro 64-bit Web install applications (only some listed) ● Password Manager Preloaded applications (only some listed) ● ThinkVantage System Update ● Desktop Power Manager ● Lenovo Solution Center ● Lenovo Support ● Lenovo Companion ● Lenovo SHAREit ● Norton Internet Security (30 days of virus definitions) ● Skype™ ● Microsoft Office preloaded; purchase a product key to activate ● Cyberlink PowerDVD (DVD±RW, DVD) ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Evernote® ● Nitro Pro ● AccuWeather ● Norton™ Studio ● Pokki ● Hightail										
Environment	ENERGY STAR® 6.0 (Need 85% PSU and Windows OS); EPEAT™ Gold rating (Need 85% PSU and Windows OS); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3										
Accessories	For compatible accessories, please go to TC-AQP sheet										

See footnotes for more detailed information

ThinkCentre M79 SFF (10CU) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Graphics	Storage	Optical	WLAN	Media reader	2nd Serial / Parallel	PS/2 Ports	2nd DP Port	Optional 2 rear USB	IEEE 1394	Chassis intrusion switch	Cable lock	Floor Stand	Key-board/ Mouse	Power Supply	Preload	Base Warranty (year)	Global	Ann Date (mm/yy)
10CU0000++	A4 6300B	4Gx1	HD 8370D	500G 7200	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB	240W ES Win7 P64 DG Win8.1	3-onsite	No	07/14	
10CU0001++	A4 6300B	4Gx1	HD 8370D	500G 7200	DVD±RW	None	None	None	None	None	None	None	Switch	None	None	Finger	240W ES Win7 P64 DG Win8.1	3-onsite	No	07/14	

Country Code"++": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

- For detailed platform specifications, please see [ThinkCentre M79 SFF Platform Specifications sheet](#)

Processor	AMD A4, A6, A8, or A10 series APUs					
	APU	Cores	Frequency (Max/Base)	L2 Cache	Memory Types	Integrated Graphics
	A4-6300B	2	3.9 / 3.7	1MB	DDR3-1600	HD 8370D
	A6-6400B	2	4.1 / 3.9	1MB	DDR3-1866	HD 8470D
	A8-6500B	4	4.1 / 3.5	4MB	DDR3-1866	HD 8570D
	A6 PRO-7400B	2	3.9 / 3.5	1MB	DDR3-1866	Radeon R5 Series
A8 PRO-7600B	4	3.8 / 3.1	4MB	DDR3-2133	Radeon R7 Series	
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets					
Disk	Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm Some: 500GB (5400 rpm) hybrid hard disk / with 8GB flash, SATA 6.0Gb/s, 2.5" Some: 1TB (7200 rpm) hybrid hard disk / with 8GB flash, SATA 6.0Gb/s, 3.5" wide Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide					
Optical	Some: DVD-ROM SATA 1.5Gb/s Drive Some: Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive					
Onboard SATA	SATA 6.0Gb/s controller, three connectors on planar, RAID 0/1 support					
Media reader	Optional 7-in-1 single slot media card reader					
Graphics	AMD Radeon™ Graphics in processor, uses main memory, one VGA, one DisplayPort™, one optional DP, supports up to three independent displays, works along with optional discrete graphics to support up to five independent displays; Some: AMD Radeon HD 8570, DirectX 11, one VGA, one HDMI, 40W; Some: NVIDIA® GeForce® GT 620, DirectX 11, one VGA, one DisplayPort, 30W; Some: AMD Radeon™ HD 7450, DirectX 11, one DVI-I one DisplayPort, 25W; Optional DisplayPort to DVI-D monitor cable					
DP cable						
Chipset	AMD A78 FCH					
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)					
Rear ports	Up to six USB ports (2x USB 3.0 + 2x USB 2.0 + 2x optional USB 2.0), serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VGA, DisplayPort (1x standard + 1x optional), optional PS/2 ports					
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)					
IEEE 1394	Optional FireWire PCIe adapter, 1394a-2000, 400Mbps, two 6-pin ports on rear					
Audio support	High Definition (HD) Audio, Realtek ALC662 / internal speaker (1watt)					
WLAN ¹³	Some: 11b/g/n wireless, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1 Some: 11b/g/n wireless, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2 Some: 11ac/b/g/n wireless, Broadcom BCM4352, 2.4/5GHz, Wi-Fi + BT 4.0, 2x2					
Bluetooth™	Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter					
Ethernet	One gigabit ethernet port, Realtek 8111EPV, Wake on LAN®					
Modem	None					

Manageability	Enhanced Manageability with DASH 1.1	
Security chip	Trusted Platform Module, TCG 1.2-compliant	
Security features	● Padlock loop (in rear for opt padlock) ● Power-on, Admin, Hard Disk password ● Security slot (in rear for optional Kensington® MicroSaver® cable) ● Boot sequence control ● Cable lock to physically lock both keyboard and mouse (optional) ● Boot without keyboard and mouse ● Individual USB port disablement ● Optional Chassis intrusion switch	
Keyboard	USB: Preferred Pro USB Keyboard (USB connector), Lenovo logo Finger: Lenovo USB Fingerprint Keyboard (USB connector) 2.4G: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black	
Mouse	USB: Enhanced Optical USB Mouse, black, Lenovo logo 2.4G: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black	
Mechanical	● Business black color; metal case, 11L ● 13.2" W X 15.0" D X 3.9" H ● 335mm W X 382mm D X 101mm H ● 14.6 lb (6.6 kg) in maximum configuration Bay: 5.25" x1, 3.5"x1, SSD bay x1, MCR bay x1 *SSD bay only available on models with 2nd SSD installed Slot (Low Profile): one PCIe 3.0 x16 (40w max), two PCIe 2.0 x1, one PCI 2.3	
Floor Stand	Optional system floor stand for vertical orientation	
Power supply	180W: 180 watts, autosensing, 100-240V (50-60Hz) 240W: 240 watts, autosensing, 100-240V (50-60Hz) 240W ES: 240 watts, autosensing, 85% PSU, 100-240V (50-60Hz)	
Limited warranty ³	Some: 3-years, limited onsite service / service upgrades available Some: 3-years, limited onsite service, IWS (International Warranty Service ⁹) / service upgrades available For Lenovo service upgrade options, please go to S-TC sheet	
Preload	Some: Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Some: Windows 7 Professional 32 Some: Windows 7 Professional 64 Some: Windows 8.1 64-bit Some: Windows 8.1 Pro 64-bit	
Environment	ENERGY STAR® 6.0 (Need 85% PSU and Windows OS); EPEAT™ Gold rating (Need 85% PSU and Windows OS); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3	
Accessories	For compatible accessories, please go to TC-AQP sheet	

See footnotes for more detailed information

ThinkCentre M79 SFF (10CT)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Graphics	Storage	Optical	WLAN	Media reader	2nd Serial / Parallel Ports	2nd DP Port	Optional 2 rear USB	IEEE 1394	Chassis intrusion switch	Cable lock	Floor Stand	Key-board/ Mouse	Power Supply	Preload	Base Warranty (year)	Global	Ann Date (mm/yy)
10CT0006++	A4 6300B	2Gx1	HD 8370D	250G 7200	DVD	None	None	None	None	None	None	Switch	None	None	USB	240W ES	Win7 Pro32	3-onsite	G	07/14
10CT0007++	A6 7400B	2Gx1	Radeon R5	500G 7200	DVD±RW	None	None	None	None	None	None	Switch	None	None	USB	240W ES	Win7 Pro32	3-onsite	G	07/14

Country Code"++": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

- For detailed platform specifications, please see [ThinkCentre M79 SFF Platform Specifications sheet](#)

Processor	AMD A4, A6, A8, or A10 series APUs					
	APU	Cores	Frequency (Max/Base)	L2 Cache	Memory Types	Integrated Graphics
	A4-6300B	2	3.9 / 3.7	1MB	DDR3-1600	HD 8370D
	A6-6400B	2	4.1 / 3.9	1MB	DDR3-1866	HD 8470D
	A8-6500B	4	4.1 / 3.5	4MB	DDR3-1866	HD 8570D
	A6 PRO-7400B	2	3.9 / 3.5	1MB	DDR3-1866	Radeon R5 Series
A8 PRO-7600B	4	3.8 / 3.1	4MB	DDR3-2133	Radeon R7 Series	
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets					
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB flash, SATA 6.0Gb/s, 2.5" <i>Some:</i> 1TB (7200 rpm) hybrid hard disk / with 8GB flash, SATA 6.0Gb/s, 3.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide					
Optical	<i>Some:</i> DVD-ROM SATA 1.5Gb/s Drive <i>Some:</i> Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive					
Onboard SATA	SATA 6.0Gb/s controller, three connectors on planar, RAID 0/1 support					
Media reader	Optional 7-in-1 single slot media card reader					
Graphics	AMD Radeon™ Graphics in processor, uses main memory, one VGA, one DisplayPort™, one optional DP, supports up to three independent displays, works along with optional discrete graphics to support up to five independent displays; <i>Some:</i> AMD Radeon HD 8570 , DirectX 11, one VGA, one HDMI, 40W; <i>Some:</i> NVIDIA® GeForce® GT 620 , DirectX 11, one VGA, one DisplayPort, 30W; <i>Some:</i> AMD Radeon™ HD 7450 , DirectX 11, one DVI-I one DisplayPort, 25W; <i>Optional</i> DisplayPort to DVI-D monitor cable					
DP cable						
Chipset	AMD A78 FCH					
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)					
Rear ports	Up to six USB ports (2x USB 3.0 + 2x USB 2.0 + 2x optional USB 2.0), serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VGA, DisplayPort (1x standard + 1x optional), optional PS/2 ports					
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)					
IEEE 1394	Optional FireWire PCIe adapter, 1394a-2000, 400Mbps, two 6-pin ports on rear					
Audio support	High Definition (HD) Audio, Realtek ALC662 / internal speaker (1watt)					
WLAN ¹³	<i>Some:</i> 11b/g/n wireless, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1 <i>Some:</i> 11b/g/n wireless, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2 <i>Some:</i> 11ac/b/g/n wireless, Broadcom BCM4352, 2.4/5GHz, Wi-Fi + BT 4.0, 2x2					
Bluetooth™	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter					
Ethernet	One gigabit ethernet port, Realtek 8111EPV, Wake on LAN®					
Modem	None					

Manageability	Enhanced Manageability with DASH 1.1
Security chip	Trusted Platform Module, TCG 1.2-compliant
Security features	<ul style="list-style-type: none">● Padlock loop (in rear for opt padlock)● Security slot (in rear for optional Kensington® MicroSaver® cable)● Cable lock to physically lock both keyboard and mouse (optional)● Power-on, Admin, Hard Disk password● Boot sequence control● Boot without keyboard and mouse● Individual USB port disablement● Optional <i>Chassis intrusion switch</i>
Keyboard	<i>USB:</i> Preferred Pro USB Keyboard (USB connector), Lenovo logo <i>Finger:</i> Lenovo USB Fingerprint Keyboard (USB connector) <i>2.4G:</i> Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black
Mouse	<i>USB:</i> Enhanced Optical USB Mouse, black, Lenovo logo <i>2.4G:</i> Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black
Mechanical	<ul style="list-style-type: none">● Business black color; metal case, 11L● 13.2" W X 15.0" D X 3.9" H● 335mm W X 382mm D X 101mm H● 14.6 lb (6.6 kg) in maximum configuration Bay: 5.25" x1, 3.5"x1, SSD bay x1, MCR bay x1 *SSD bay only available on models with 2nd SSD installed Slot (Low Profile): one PCIe 3.0 x16 (40w max), two PCIe 2.0 x1, one PCI 2.3
Floor Stand	Optional system floor stand for vertical orientation
Power supply	<i>180W:</i> 180 watts, autosensing, 100-240V (50-60Hz) <i>240W:</i> 240 watts, autosensing, 100-240V (50-60Hz) <i>240W ES:</i> 240 watts, autosensing, 85% PSU, 100-240V (50-60Hz)
Limited warranty ³	<i>Some:</i> 3-years, limited onsite service / service upgrades available <i>Some:</i> 3-years, limited onsite service, IWS (International Warranty Service ⁹) / service upgrades available <i>For Lenovo service upgrade options, please go to S-TC sheet</i>
Preload	<i>Some:</i> Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit <i>Some:</i> Windows 7 Professional 32 <i>Some:</i> Windows 7 Professional 64 <i>Some:</i> Windows 8.1 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit
Environment	ENERGY STAR® 6.0 (Need 85% PSU and Windows OS); EPEAT™ Gold rating (Need 85% PSU and Windows OS); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3
Accessories	For compatible accessories, please go to TC-AQP sheet

See footnotes for more detailed information

ThinkCentre M79 Tower (10CR) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Graphics	Storage	Optical	WLAN	Media reader	2nd Serial / Parallel	PS/2 Ports	2nd DP Port	Optional 2 rear USB	IEEE 1394	Chassis intrusion switch	Cable lock	Floor Stand	Key-board/ Mouse	Power Supply	Preload	Base Warranty (year)	Global	Ann Date (mm/yy)
10CR0000++	A4 6300B	4Gx1	HD 8370D	500G 7200	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB	280W ES	Win7 P64 DG Win8.1	3-onsite	No	07/14
10CR0001++	A4 6300B	4Gx1	HD 8370D	500G 7200	DVD±RW	None	None	None	None	None	None	1394	Switch	None	None	USB	280W ES	Win7 P64 DG Win8.1	3-onsite	No	07/14
10CR0002++	A8 6500B	8Gx1	HD 8570D	500G 7200	DVD±RW	None	None	None	None	None	None	None	None	None	None	USB	280W ES	Win7 P64 DG Win8.1	3-onsite	No	08/14

Country Code"++": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)
 Note: models listed above might not be available in all WE countries

- For detailed platform specifications, please see [ThinkCentre M79 Tower Platform Specifications](#) sheet

Processor	AMD A4, A6, A8, or A10 series APUs						Manageability Security chip Security features	Enhanced Manageability with DASH 1.1 Trusted Platform Module, TCG 1.2-compliant	
	APU	Cores	Frequency (Max/Base)	L2 Cache	Memory Types	Integrated Graphics		● Padlock loop (in rear for opt padlock) ● Power-on, Admin, Hard Disk password	
	A4-6300B	2	3.9 / 3.7	1MB	DDR3-1600	HD 8370D		● Security slot (in rear for optional Kensington® MicroSaver® cable) ● Boot sequence control	
	A6-6400B	2	4.1 / 3.9	1MB	DDR3-1866	HD 8470D		● Boot without keyboard and mouse	
	A8-6500B	4	4.1 / 3.5	4MB	DDR3-1866	HD 8570D		● Cable lock to physically lock both keyboard and mouse (optional) ● Individual USB port disablement	
	A6 PRO-7400B	2	3.9 / 3.5	1MB	DDR3-1866	Radeon R5 Series		● Optional Chassis intrusion switch	
A8 PRO-7600B	4	3.8 / 3.1	4MB	DDR3-2133	Radeon R7 Series				
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets						Keyboard	USB: Preferred Pro USB Keyboard (USB connector), Lenovo logo Finger: Lenovo USB Fingerprint Keyboard (USB connector)	
Disk	Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm Some: 500GB (5400 rpm) hybrid hard disk / with 8GB flash, SATA 6.0Gb/s, 2.5" Some: 1TB (7200 rpm) hybrid hard disk / with 8GB flash, SATA 6.0Gb/s, 3.5" wide Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide						Mouse	2.4G: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black USB: Enhanced Optical USB Mouse, black, Lenovo logo 2.4G: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black	
Optical	Some: DVD-ROM SATA 1.5Gb/s Drive Some: Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive						Mechanical	● Business black color; metal case, 20L ● 6.3" W X 16.6" D X 15.3" H (with handle) ● 160mm W X 422mm D X 388mm H ● 20.7 lb (9.4 kg) in maximum configuration	
Onboard SATA	SATA 6.0Gb/s controller, three connectors on planar, RAID 0/1 support							Bay: 5.25" x1, 3.5" x2, MCR Bay x1 Slot (half-length): one PCIe 2.0 x16 (60w max), two PCIe 2.0 x1, one PCI 2.3	
Media reader	Optional 7-in-1 single slot media card reader						Power supply	180W: 180 watts, autosensing, 100-240V (50-60Hz) 280W: 280 watts, autosensing, 100-240V (50-60Hz) 280W ES: 280 watts, autosensing, 85% PSU, 100-240V (50-60Hz)	
Graphics	AMD Radeon™ Graphics in processor, uses main memory, one VGA, one DisplayPort™, one optional DP, supports up to three independent displays, works along with optional discrete graphics to support up to five independent displays; Some: AMD Radeon HD 8570, DirectX 11, one VGA, one HDMI, 40W; Some: NVIDIA® GeForce® GT 620, DirectX 11, one VGA, one DisplayPort, 30W; Some: AMD Radeon™ HD 7450, DirectX 11, one DVI-I one DisplayPort, 25W; Optional DisplayPort to DVI-D monitor cable						Limited warranty ³	Some: 3-years, limited onsite service / service upgrades available Some: 3-years, limited onsite service, IWS (International Warranty Service ⁹) / service upgrades available For Lenovo service upgrade options, please go to S-TC sheet	
DP cable							Preload	Some: Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Some: Windows 7 Professional 32 Some: Windows 7 Professional 64 Some: Windows 8.1 64-bit Some: Windows 8.1 Pro 64-bit	
Chipset	AMD A78 FCH						Environment	ENERGY STAR® 6.0 (Need 85% PSU and Windows OS); EPEAT™ Gold rating (Need 85% PSU and Windows OS); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)						Accessories	For compatible accessories, please go to TC-AQP sheet	
Rear ports	Up to six USB ports (2x USB 3.0 + 2x USB 2.0 + 2x optional USB 2.0), serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VGA, DisplayPort (1x standard + 1x optional), optional PS/2 ports								
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)								
IEEE 1394	Optional FireWire PCIe adapter, 1394a-2000, 400Mbps, two 6-pin ports on rear								
Audio support	High Definition (HD) Audio, Realtek ALC662 / internal speaker (1.5watt)								
WLAN ¹³	Some: 11b/g/n wireless, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1 Some: 11b/g/n wireless, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2 Some: 11ac/b/g/n wireless, Broadcom BCM4352, 2.4/5GHz, Wi-Fi + BT 4.0, 2x2								
Bluetooth™	Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								
Ethernet	One gigabit ethernet port, Realtek 8111EPV, Wake on LAN®								
Modem	None								

See footnotes for more detailed information

ThinkCentre M79 Tower (10CQ)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Graphics	Storage	Optical	WLAN	Media reader	2nd Serial / Parallel	PS/2 Ports	2nd DP Port	Optional 2 rear USB	IEEE 1394	Chassis intrusion switch	Cable lock	Floor Stand	Key-board/ Mouse	Power Supply	Preload	Base Warranty (year)	Global	Ann Date (mm/yy)
10CQ0005++	A4 6300B	2Gx1	HD 8370D	250G 7200	DVD	None	None	None	None	None	None	None	Switch	None	None	USB	280W ES	Win7 Pro32	3-onsite IWS	G	07/14
10CQ0006++	A6 7400B	2Gx1	Radeon R5500G	7200	DVD±RW	None	None	None	None	None	None	None	Switch	None	None	USB	280W ES	Win7 Pro32	3-onsite IWS	G	07/14
10CQ0007++	A8 7600B	4Gx1	HD 8570	1TB 7200	DVD±RW	None	Media	P	None	None	None	None	Switch	None	None	USB	280W ES	Win7 Pro64	3-onsite IWS	G	07/14

Country Code"++": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)
Note: models listed above might not be available in all WE countries

- For detailed platform specifications, please see [ThinkCentre M79 Tower Platform Specifications](#) sheet

Processor	AMD A4, A6, A8, or A10 series APUs						Manageability	Enhanced Manageability with DASH 1.1	
	APU	Cores	Frequency (Max/Base)	L2 Cache	Memory Types	Integrated Graphics	Security chip	Trusted Platform Module, TCG 1.2-compliant	
	A4-6300B	2	3.9 / 3.7	1MB	DDR3-1600	HD 8370D	Security features	● Padlock loop (in rear for opt padlock)	
	A6-6400B	2	4.1 / 3.9	1MB	DDR3-1866	HD 8470D		● Security slot (in rear for optional Kensington® MicroSaver® cable)	
	A8-6500B	4	4.1 / 3.5	4MB	DDR3-1866	HD 8570D		● Cable lock to physically lock both keyboard and mouse (optional)	
	A6 PRO-7400B	2	3.9 / 3.5	1MB	DDR3-1866	Radeon R5 Series		● Power-on, Admin, Hard Disk password	
	A8 PRO-7600B	4	3.8 / 3.1	4MB	DDR3-2133	Radeon R7 Series		● Boot sequence control	
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets						Keyboard	USB: Preferred Pro USB Keyboard (USB connector), Lenovo logo	
Disk	Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm Some: 500GB (5400 rpm) hybrid hard disk / with 8GB flash, SATA 6.0Gb/s, 2.5" Some: 1TB (7200 rpm) hybrid hard disk / with 8GB flash, SATA 6.0Gb/s, 3.5" wide Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide						Mouse	Finger: Lenovo USB Fingerprint Keyboard (USB connector) 2.4G: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black	
Optical	Some: DVD-ROM SATA 1.5Gb/s Drive Some: Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive						Mechanical	USB: Enhanced Optical USB Mouse, black, Lenovo logo	
Onboard SATA	SATA 6.0Gb/s controller, three connectors on planar, RAID 0/1 support							2.4G: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black	
Media reader	Optional 7-in-1 single slot media card reader						Power supply	● Business black color; metal case, 20L	
Graphics	AMD Radeon™ Graphics in processor, uses main memory, one VGA, one DisplayPort™, one optional DP, supports up to three independent displays, works along with optional discrete graphics to support up to five independent displays; Some: AMD Radeon HD 8570, DirectX 11, one VGA, one HDMI, 40W; Some: NVIDIA® GeForce® GT 620, DirectX 11, one VGA, one DisplayPort, 30W; Some: AMD Radeon™ HD 7450, DirectX 11, one DVI-I one DisplayPort, 25W; Optional DisplayPort to DVI-D monitor cable							● 6.3" W X 16.6" D X 15.3" H (with handle)	
DP cable								● 160mm W X 422mm D X 388mm H	
Chipset	AMD A78 FCH						Limited warranty ³	● 20.7 lb (9.4 kg) in maximum configuration	
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)							Bay: 5.25" x1, 3.5" x2, MCR Bay x1	
Rear ports	Up to six USB ports (2x USB 3.0 + 2x USB 2.0 + 2x optional USB 2.0), serial (9-pin), optional 2nd serial (9-pin), optional parallel (25-pin), ethernet (RJ-45), VGA, DisplayPort (1x standard + 1x optional), optional PS/2 ports						Preload	Slot (half-length): one PCIe 2.0 x16 (60w max), two PCIe 2.0 x1, one PCI 2.3	
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)							180W: 180 watts, autosensing, 100-240V (50-60Hz)	
IEEE 1394	Optional FireWire PCIe adapter, 1394a-2000, 400Mbps, two 6-pin ports on rear							280W: 280 watts, autosensing, 100-240V (50-60Hz)	
Audio support	High Definition (HD) Audio, Realtek ALC662 / internal speaker (1.5watt)						Environment	280W ES: 280 watts, autosensing, 85% PSU, 100-240V (50-60Hz)	
WLAN ¹³	Some: 11b/g/n wireless, Realtek RTL8723BE, Wi-Fi + BT 4.0 combo, 1x1 Some: 11b/g/n wireless, Realtek RTL8192EE, Wi-Fi + BT 4.0 combo, 2x2 Some: 11ac/b/g/n wireless, Broadcom BCM4352, 2.4/5GHz, Wi-Fi + BT 4.0, 2x2							Some: 3-years, limited onsite service / service upgrades available	
Bluetooth™	Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter							Some: 3-years, limited onsite service, IWS (International Warranty Service ⁹) / service upgrades available	
Ethernet	One gigabit ethernet port, Realtek 8111EPV, Wake on LAN®						Accessories	For Lenovo service upgrade options, please go to S-TC sheet	
Modem	None								

See footnotes for more detailed information

Lenovo ThinkCentre M83 Small Pro, Mini Tower

ThinkCentre®



Lenovo ThinkCentre M83 Mini Tower
with Lenovo ThinkVision Monitor



Lenovo ThinkCentre M83 Mini Tower
with optional WLAN and graphic card



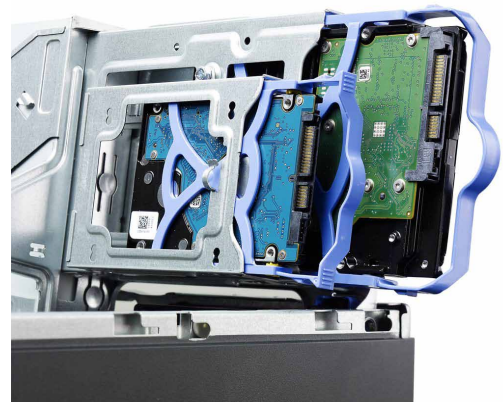
Lenovo ThinkCentre M83 Small Pro
with Lenovo ThinkVision Monitor



Lenovo ThinkCentre M83 Small Pro
with optional dual graphic cards
* Cable lock only available on some special bid
models



Lenovo ThinkCentre M83 Small Pro
(inside view)



Optional 2.5" bay on
Lenovo ThinkCentre M83 Small Pro
* Come with optional 2.5" 2nd HDD

ThinkCentre M83 SFF Pro (10AJ) - ES 6.0 (TopSeller)

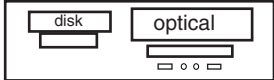
Product Specifications Reference (PSREF)

Type-model	Slot x bay	Pro-processor	Memory ⁸	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Additional Front USB 2.0	2nd serial port	Chassis intrusion switch	Floor stand	ENERGY STAR 6.0	Preload	Ann date (mm/dd/yy)
10AJ0001++	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	None	HD 4400	None	None	Switch	None	ES6.0	Win7 Pro64 (DG)	09/10/13
10AJ0002++	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	Media	HD 4400	None	None	Switch	None	ES6.0	Win7 Pro64 (DG)	09/10/13
10AJ0003++	3x4	i5-4430	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	Switch	Stand	ES6.0	Win7 Pro64 (DG)	09/10/13
10AJ0004++	3x4	i7-4770	4GBx1	500G 7200	DVD±RW	None	Media	HD 4600	None	None	Switch	Stand	ES6.0	Win7 Pro64 (DG)	09/10/13
10AJ0005++	3x4	i5-4430	4GBx1	500G 7200	DVD±RW	None	Media	HD 4600	None	None	Switch	Stand	ES6.0	Win7 Pro64 (DG)	09/10/13

Country Code "++": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

• Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program

Positioning	Mainstream enterprise stability and manageability		Preloaded operating system
Processor	Intel® Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4430 Processor (4 cores / 4 threads, 3.0GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		
Implementation	Processor in LGA1150 socket		Ready to install applications (only some listed) <ul style="list-style-type: none">Rescue and Recovery™Password Manager
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets		
Graphics	Intel HD Graphics 4400 or 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)		Preloaded applications (only some listed) <ul style="list-style-type: none">ThinkVantage® Product RecoveryThinkVantage System UpdateThinkVantage Communication UtilityDesktop Power ManagerView Management UtilityLenovo Cloud Storage by SugarSyncLenovo Solution CenterLenovo Message Center PlusNorton™ Internet Security (30 days of virus definitions)Adobe® Reader®Skype™Microsoft Office preloaded; purchase a product key to activateCyberlink PowerDVD (DVD±RW, DVD)Cyberlink Power2Go (DVD±RW)Cyberlink PowerProducer (DVD±RW)EvernoteIntel AppUpIntel Small Business AdvantageNitro Pro
DP dongle	None		
Disk	SATA 6.0Gb/s 7200 rpm, 3.5" wide		
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset		
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)		
eSATA port	None		
Media reader	Some: 29-in-1 media reader, internal USB 2.0		
Chipset	Intel Q85 Express Chipset		
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Two USB 3.0, four USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)		
PCIe WLAN	None		
Bluetooth	None		
Audio	High Definition (HD) Audio, Realtek® ALC662 codec		
Speaker	None		
IEEE 1394	None		
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®		
Manageability	Intel Standard Manageability		
Modem	None		
Security chip	Trusted Platform Module (TPM1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Floor Stand	Optional system floor stand for vertical orientation		
Power supply	240 watts, autosensing, 85% PSU		
Machine	<ul style="list-style-type: none">SFF Pro (12.9L), business black color; metal case(WxDxH) 13.31" X 14.76" X 4.02"; 338mm X 375mm X 102mm17.20 lb (7.8 kg) in maximum configurationToolless cover removal, adapter retentionToolless disk and optical drive removal		
Bay	Bay 1: 5.25", 1.6" high, external, std optical Bay 2: 3.5", 1" high, internal, std disk Bay 3: 2.5", N/A, internal, opt, come with opt 2.5" 2nd disk Bay 4: 3.5", 0.5" high, external, opt reader		
Slot	Slot 1: Low Profile, PCI Express 3.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x16 (x4 elec, 40w max)		
			
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		
EPEAT™ Gold rating ENERGY STAR® 6.0-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies			

See footnotes for important warranty information
 WE model(s) announced September 10, 2013

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 (G-MSK1S-2) September 2013

ThinkCentre M83 SFF Pro (10AJ) - ES 6.0 (TopSeller) - II

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Pro-processor	Memory ⁸	SATA disk GB rpm	SATA optical	Optional 2.5" bay	PCIe WLAN	Media reader	Graphics	Additional Front USB 2.0	2nd serial port	Chassis intrusion switch	Floor stand	ENERGY STAR 6.0	Preload	Ann date (mm/dd/yy)
10AJ001M++	3x4 i3-4150	4GBx1	500G 7200	DVD±RW		None	None	HD 4400	None	None	Switch	None	ES6.0	Win7 P64 DG	Win 8.1	07/08/14
10AJ001N++	3x4 i3-4150	4GBx1	500G 7200	DVD±RW		None	Media	HD 4400	None	None	Switch	None	ES6.0	Win7 P64 DG	Win 8.1	07/08/14
10AJ001P++	3x4 i5-4460	4GBx1	500G 7200	DVD±RW		None	None	HD 4600	None	None	Switch	Stand	ES6.0	Win7 P64 DG	Win 8.1	07/08/14
10AJ001Q++	3x4 i5-4460	4GBx1	500G 7200	DVD±RW		None	Media	HD 4600	None	None	Switch	Stand	ES6.0	Win7 P64 DG	Win 8.1	07/08/14
10AJ001R++	3x4 i5-4590	4GBx1	500G 7200	DVD±RW		None	None	HD 4600	None	None	Switch	Stand	ES6.0	Win7 P64 DG	Win 8.1	07/08/14
10AJ001S++	3x4 i5-4590	4GBx1	500G 7200	DVD±RW		None	None	HD 4600	None	None	None	Stand	ES6.0	Win7 P64 DG	Win 8.1	07/08/14
10AJ001T++	3x4 i3-4150	4GBx1	500G 7200	DVD±RW	2.5"	None	Media	HD 4400	None	None	Switch	None	ES6.0	Win7 P64 DG	Win 8.1	07/08/14

Country Code "+": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

• Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program

Positioning	Mainstream enterprise stability and manageability		Preloaded operating system	
Processor	Intel® Core™ i3-4150 Processor (2 cores / 4 threads, 3.5GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4460 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.4GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller		Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit	
Implementation	Processor in LGA1150 socket		Ready to install applications (only some listed)	
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets		<ul style="list-style-type: none">• Rescue and Recovery™• Password Manager	
Graphics	Intel HD Graphics 4400 or 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays; Maximum resolution: 2560x1600 (DisplayPort) @60Hz; 1920x1200 (VGA) @60Hz (Reduced Blanking)		Preloaded applications (only some listed)	
DP dongle	None		<ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Intel Small Business Advantage• Nitro Pro	
Disk	SATA 6.0Gb/s 7200 rpm, 3.5" wide			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset			
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)			
eSATA port	None			
Media reader	Some: 29-in-1 media reader, internal USB 2.0			
Chipset	Intel Q85 Express Chipset			
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Two USB 3.0, four USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)			
PCIe WLAN	None			
Bluetooth	None			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
Speaker	None			
IEEE 1394	None			
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®			
Manageability	Intel Standard Manageability			
Modem	None			
Security chip	Trusted Platform Module (TPM1.2-compliant)			
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Floor Stand	Optional system floor stand for vertical orientation			
Power supply	240 watts, autosensing, 85% PSU			
Machine	<ul style="list-style-type: none">• SFF Pro (12.9L), business black color; metal case• (WxDxH) 13.31" X 14.76" X 4.02"; 338mm X 375mm X 102mm• 17.20 lb (7.8 kg) in maximum configuration• Toolless cover removal, adapter retention• Toolless disk and optical drive removal			
Bay	Bay 1: 5.25", 1.6" high, external, std optical Bay 2: 3.5", 1" high, internal, std disk Bay 3: 2.5", N/A, internal, opt, come with opt 2.5" 2nd disk Bay 4: 3.5", 0.5" high, external, opt reader			
Slot	Slot 1: Low Profile, PCI Express 3.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x16 (x4 elec, 40w max)			
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available			

See footnotes for important warranty information
WE model(s) announced September 10, 2013

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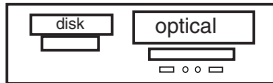
ThinkCentre M83 SFF Pro (10AH) - ES 6.0 (GMP)

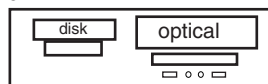
Product Specifications Reference (PSREF)

Type-model	Slot x bay	Pro-processor	Memory ⁸	SATA disk GB rpm	SATA optical	PCIe WLAN	Additional Front Graphics	2nd serial USB 2.0	Chassis intrusion switch	Floor stand	ENERGY STAR 6.0	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10AH0015++	3x4	i5-4570	2GBx1	500G 7200	DVD	None	HD 4600	None	Switch	None	ES6.0	G P	Win7 Pro64	07/30/13
10AH0016++	3x4	i5-4570	4GBx1	500G 7200	DVD	None	HD 4600	USB	Switch	Stand	ES6.0	G P	Win7 Pro64 (DG)	07/30/13
10AH0017++	3x4	i5-4570	4GBx1	1TB 7200	DVD	Intel 105	HD 8470	USB	Switch	Stand	ES6.0	G P	Win7 Pro64 (DG)	07/30/13
10AH001H++	3x4	i5-4570	4GBx1	500G 7200	DVD±RW	None	HD 4600	USB	Switch	Stand	ES6.0	G P	Win7 Pro64 (DG)	08/20/13
10AH001J++	3x4	i5-4570	4GBx1	1TB 7200	DVD±RW	Intel 105	HD 8470	USB	Switch	Stand	ES6.0	G P	Win7 Pro64 (DG)	08/20/13
10AH0043++	3x4	i5-4570	2GBx1	500G 7200	DVD	None	HD 4600	None	Switch	None	ES6.0	G P	Win7 Pro64	03/11/14
10AH005X++	3x4	i5-4590	4GBx1	500G 3.5"	DVD±RW	None	HD 4600	USB	Switch	Stand	ES6.0	G P	Win7 P64 DG Win8.1	07/08/14
10AH005Y++	3x4	i5-4590	4GBx1	1TB 3.5"	DVD±RW	8723BE	GT 620	None	Switch	Stand	ES6.0	G P	Win7 P64 DG Win8.1	07/08/14

Country Code"++": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

Positioning Processor	Mainstream enterprise stability and manageability Intel® Core™ i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Intel Small Business Advantage• Nitro Pro
Implementation	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets		
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support up to five independent monitors; <i>Maximum resolution:</i> 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking) <i>Some:</i> AMD Radeon™ HD 8470 , DirectX 11, 3D Hardware Acceleration, 512MB, PCI Express® 2.0 x16 adapter, one VGA, one DisplayPort, 25 watts, <i>Max resolution:</i> 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz <i>Some:</i> NVIDIA® Geforce® GT 620 , DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; <i>Max resolution:</i> 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz		
DP dongle	None		
Disk	SATA 6.0Gb/s 7200 rpm, 3.5" wide		
Optical	<i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive <i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset		
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)		
eSATA port	None		
Media reader	None		
Chipset	Intel Q85 Express Chipset		
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Two USB 3.0, four USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)		
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8723BE, Wi-Fi/BT 4.0, 1x1 <i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter		
Bluetooth	High Definition (HD) Audio, Realtek® ALC662 codec		
Audio	Internal speaker for business audio (1 watt)		
Speaker	None		
IEEE 1394	None		
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®		
Manageability	Intel Standard Manageability		
Modem	None		
Security chip	Trusted Platform Module (TPM1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Floor Stand	Optional system floor stand for vertical orientation		
Power supply	240 watts, autosensing, 85% PSU		
Machine	<ul style="list-style-type: none">• SFF Pro (12.9L), business black color; metal case• (WxDxH) 13.31" X 14.76" X 4.02"; 338mm X 375mm X 102mm• 17.20 lb (7.8 kg) in maximum configuration• Toolless cover removal, adapter retention• Toolless disk and optical drive removal 		
Bay	Bay 1: 5.25", 1.6" high, external, std optical Bay 2: 3.5", 1" high, internal, std disk Bay 3: 2.5", N/A, internal, opt, come with opt 2.5" 2nd disk Bay 4: 3.5", 0.5" high, external, opt reader		
Slot	Slot 1: Low Profile, PCI Express 3.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x16 (x4 elec, 40w max)		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day		



See footnotes for important warranty information

ThinkCentre M83 Mini Tower (10BE) - ES 6.0 (TopSeller)

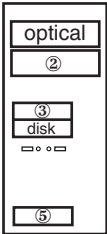
Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Additional Front USB 2.0	2nd serial port	Chassis intrusion switch	ENERGY STAR 6.0	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10BE0000++	3x5	i7-4770	4GBx1	500GB 7200	DVD±RW	None	Media	HD 4600	None	None	Switch	ES6.0	None	Win7 P64 DG Win8	09/10/13
10BE0001++	3x5	i5-4430	4GBx1	500GB 7200	DVD±RW	None	None	HD 4600	None	None	Switch	ES6.0	None	Win7 P64 DG Win8	09/10/13
10BE0002++	3x5	i5-4430	4GBx1	500GB 7200	DVD±RW	None	Media	HD 4600	None	None	Switch	ES6.0	None	Win7 P64 DG Win8	09/10/13
10BE0003++	3x5	i3-4130	4GBx1	500GB 7200	DVD±RW	None	Media	HD 4400	None	None	Switch	ES6.0	None	Win7 P64 DG Win8	09/10/13
10BE0004++	3x5	i3-4130	4GBx1	500GB 7200	DVD±RW	None	None	HD 4400	None	None	Switch	ES6.0	None	Win7 P64 DG Win8	09/10/13
10BE000V++	3x5	i7-4770	4GBx1	128GB SSD	DVD±RW	None	Media	HD 4600	None	None	Switch	ES6.0	None	Win7 P64 DG Win8.1	03/25/14

Country Code "++": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

• Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program

Positioning	Mainstream enterprise stability and manageability											Preloaded operating system							
Processor	Intel® Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4430 Processor (4 cores / 4 threads, 3.0GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket											Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit							
Implementation	Processor in LGA1150 socket											Ready to install applications (only some listed)							
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets											<ul style="list-style-type: none">Rescue and Recovery™Password Manager							
Graphics	Intel HD Graphics 4400 or 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)											Preloaded applications (only some listed)							
DP dongle	None											<ul style="list-style-type: none">ThinkVantage® Product RecoveryThinkVantage System UpdateThinkVantage Communication UtilityDesktop Power ManagerView Management UtilityLenovo Cloud Storage by SugarSyncLenovo Solution CenterLenovo Message Center PlusNorton™ Internet Security (30 days of virus definitions)Adobe® Reader®Skype™Microsoft Office preloaded; purchase a product key to activateCyberlink PowerDVD (DVD±RW, DVD)Cyberlink Power2Go (DVD±RW)Cyberlink PowerProducer (DVD±RW)EvernoteIntel AppUpIntel Small Business AdvantageNitro Pro							
Disk	Some: SATA 6.0Gb/s 7200 rpm, 3.5" wide Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide											Security <ul style="list-style-type: none">Security chip (see information on left)One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)Power-on passwordAdministrator passwordHard disk passwordBoot sequence controlBoot without keyboard and mouseSerial port I/O controlIndividual USB port disablementChassis intrusion switch on selected model(s)							
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive																		
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset																		
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)																		
eSATA port	None																		
Media reader	Some: 29-in-1 media reader, internal USB 2.0																		
Chipset	Intel Q85 Express Chipset																		
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)																		
Rear ports	Two USB 3.0, four USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models																		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)																		
PCIe WLAN	None																		
Bluetooth	None																		
Audio	High Definition (HD) Audio, Realtek® ALC662 codec																		
Speaker	None																		
IEEE 1394	None																		
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®																		
Manageability	Intel Standard Manageability																		
Modem	None																		
Security chip	Trusted Platform Module (TPM1.2-compliant)																		
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo																		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo																		
Power supply	280 watts, autosensing, 85% PSU																		
Machine	<ul style="list-style-type: none">Mini Tower (25L), business black color, metal case(WxDxH) 6.89" X 17.41" X 16.32"; 175mm X 442.3mm X 414.5mm24.69 lb (11.20 kg) in maximum configurationToolless cover removal, adapter retentionToolless disk, optical drive removal																		
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk																		
Slot	Slot 1: half-length, full-height, PCIe 3.0 x16 (75w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x16 (x4 elec, 75w max)																		
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available											EPEAT™ Gold rating ENERGY STAR® 6.0-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies							

See footnotes for important warranty information

WE model(s) announced September 10, 2013 or March 25, 2014

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(G-MSK1T-1) March 2014

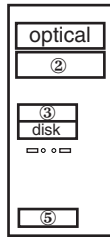
ThinkCentre M83 Mini Tower (10BE) - ES 6.0 (TopSeller) - II

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Additional Front USB 2.0	2nd serial port	Chassis intrusion switch	ENERGY STAR 6.0	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10BE0015++	3x5	i5-4460	4GBx1	500GB 7200	DVD±RW	None	Media	HD 4600	None	None	Switch	ES6.0	None	Win7 P64 DG Win8.1	07/08/14
10BE0016++	3x5	i7-4790	4GBx1	128GB SSD	DVD±RW	None	Media	HD 4600	None	None	Switch	ES6.0	None	Win7 P64 DG Win8.1	07/08/14
10BE0017++	3x5	i3-4150	4GBx1	500GB 7200	DVD±RW	None	None	HD 4400	None	None	Switch	ES6.0	None	Win7 P64 DG Win8.1	07/08/14
10BE0018++	3x5	i3-4150	4GBx1	500GB 7200	DVD±RW	None	Media	HD 4400	None	None	Switch	ES6.0	None	Win7 P64 DG Win8.1	07/08/14
10BE0019++	3x5	i5-4460	4GBx1	500GB 7200	DVD±RW	None	None	HD 4600	None	None	Switch	ES6.0	None	Win7 P64 DG Win8.1	07/08/14
10BE001A++	3x5	i7-4790	4GBx1	500GB 7200	DVD±RW	None	Media	HD 4600	None	None	Switch	ES6.0	None	Win7 P64 DG Win8.1	07/08/14
10BE001B++	3x5	i5-4590	4GBx1	500GB 7200	DVD±RW	None	None	HD 4600	None	None	Switch	ES6.0	None	Win7 P64 DG Win8.1	07/08/14
10BE001C++	3x5	i5-4590	4GBx1	500GB 7200	DVD±RW	None	None	HD 4600	None	None	Switch	ES6.0	None	Win7 P64 DG Win8.1	07/08/14
10BE0025++	3x5	i5-4590	4GBx1	256GB SSD	DVD±RW	None	Media	HD 4600	None	None	None	ES6.0	None	Win7 P64 DG Win8.1	08/12/14

Country Code "++": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

Positioning	Mainstream enterprise stability and manageability															Preloaded operating system			
Processor	Intel® Core™ i3-4150 Processor (2 cores / 4 threads, 3.5GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4460 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.4GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4790 Processor (4 cores / 8 threads, 3.6GHz, 8MB cache), Turbo Boost 2.0 (4.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket															Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit			
Implementation																Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager			
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets															Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Intel Small Business Advantage• Nitro Pro			
Graphics	Intel HD Graphics 4400 or 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays; Maximum resolution: 2560x1600 (DisplayPort) @60Hz; 1920x1200 (VGA) @60Hz (Reduced Blanking)																		
DP dongle	None																		
Disk	Some: SATA 6.0Gb/s 7200 rpm, 3.5" wide Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide																		
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive																		
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset																		
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)																		
eSATA port	None																		
Media reader	Some: 29-in-1 media reader, internal USB 2.0																		
Chipset	Intel Q85 Express Chipset																		
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)																		
Rear ports	Two USB 3.0, four USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models																		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)																		
PCIe WLAN	None																		
Bluetooth	None																		
Audio	High Definition (HD) Audio, Realtek® ALC662 codec																		
Speaker	None																		
IEEE 1394	None																		
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®																		
Manageability	Intel Standard Manageability																		
Modem	None																		
Security chip	Trusted Platform Module (TPM1.2-compliant)															Security <ul style="list-style-type: none">• Security chip (see information on left)• One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)			
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo																		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo																		
Power supply	280 watts, autosensing, 85% PSU																		
Machine	<ul style="list-style-type: none">• Mini Tower (25L), business black color, metal case• (WxDxH) 6.89" X 17.41" X 16.32"; 175mm X 442.3mm X 414.5mm• 24.69 lb (11.20 kg) in maximum configuration• Toolless cover removal, adapter retention• Toolless disk, optical drive removal																		
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk																		
Slot	Slot 1: half-length, full-height, PCIe 3.0 x16 (75w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x16 (x4 elec, 75w max)																		
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available															EPEAT™ Gold rating ENERGY STAR® 6.0-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant			
															Supports ThinkVantage Technologies				

See footnotes for important warranty information

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(G-MSK1T-3) August 2014

ThinkCentre M83 Mini Tower (10AG) - ES 6.0 (GMP)

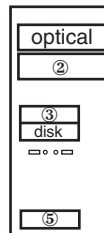
Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Additional Front Graphics	2nd serial port	Chassis intrusion switch	Key-board	ENERGY STAR 6.0	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10AG000P++	3x5	i5-4570	4GBx1	1TB 7200	DVD	Intel 105	HD 8470	USB	None	Switch	None	ES6.0	G P Win7 Pro64 (DG)	07/30/13
10AG000Q++	3x5	i5-4570	2GBx1	500GB 7200	DVD	None	HD 4600	None	None	Switch	None	ES6.0	G P Win7 Pro64	07/30/13
10AG000R++	3x5	i5-4570	4GBx1	500GB 7200	DVD	None	HD 4600	USB	None	Switch	None	ES6.0	G P Win7 Pro64 (DG)	07/30/13
10AG000S++	3x5	i5-4570	4GBx1	500GB 7200	DVD±RW	None	HD 4600	USB	None	Switch	Finger	ES6.0	G P Win7 Pro64 (DG)	08/20/13
10AG000T++	3x5	i5-4570	4GBx1	1TB 7200	DVD±RW	Intel 105	HD 8470	USB	None	Switch	USB	ES6.0	G P Win7 Pro64 (DG)	08/20/13
10AG000U++	3x5	i5-4570	4GBx1	500GB 7200	DVD±RW	None	HD 4600	USB	None	Switch	USB	ES6.0	G P Win7 Pro64 (DG)	09/10/13
10AG001K++	3x5	i5-4590	2GBx1	500GB 7200	DVD	None	HD 4600	None	None	Switch	USB	ES6.0	G P Win7 Pro64	06/10/14
10AG001P++	3x5	i5-4590	4GBx1	500GB 7200	DVD±RW	None	HD 4600	USB	None	Switch	USB	ES6.0	G P Win7 P64 DG Win 8.1	07/08/14
10AG001Q++	3x5	i5-4590	4GBx1	1TB 7200	DVD±RW	8723BE	GT 620	None	None	Switch	USB	ES6.0	G P Win7 P64 DG Win 8.1	07/08/14

●Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning Processor	Mainstream enterprise stability and manageability Intel® Core™ i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit	
Implementation				
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets			
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support up to five independent monitors; <i>Maximum resolution:</i> 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking) <i>Some:</i> AMD Radeon™ HD 8470 , DirectX 11, 3D Hardware Acceleration, 512MB, PCI Express® 2.0 x16 adapter, one VGA, one DisplayPort, 25 watts, <i>Max resolution:</i> 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz <i>Some:</i> NVIDIA® GeForce® GT 620 , DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; <i>Max resolution:</i> 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz			
DP dongle	None			
Disk	SATA 6.0Gb/s 7200 rpm, 3.5" wide			
Optical	<i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive <i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset			
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)			
eSATA port	None			
Media reader	None			
Chipset	Intel Q85 Express Chipset			
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Two USB 3.0, four USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)			
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8723BE, Wi-Fi/BT 4.0, 1x1 <i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter			
Bluetooth	High Definition (HD) Audio, Realtek® ALC662 codec			
Audio	Internal speaker for business audio (1.5 watt)			
Speaker	None			
IEEE 1394	None			
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®			
Manageability	Intel Standard Manageability			
Modem	None			
Security chip	Trusted Platform Module (TPM1.2-compliant)			
Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo <i>Some:</i> Lenovo USB Fingerprint Keyboard (USB connector)			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Power supply	280 watts, autosensing, 85% PSU			
Machine	<ul style="list-style-type: none">Mini Tower (25L), business black color, metal case(WxDxH) 6.89" X 17.41" X 16.32"; 175mm X 442.3mm X 414.5mm24.69 lb (11.20 kg) in maximum configurationToolless cover removal, adapter retentionToolless disk, optical drive removal			
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk			
Slot	Slot 1: half-length, full-height, PCIe 3.0 x16 (75w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x16 (x4 elec, 75w max)			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available			

Security <ul style="list-style-type: none">Security chip (see information on left)One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)Power-on passwordAdministrator passwordHard disk passwordBoot sequence controlBoot without keyboard and mouseSerial port I/O controlIndividual USB port disablementChassis intrusion switch on selected model(s)	
EPEAT™ Gold rating ENERGY STAR® 6.0-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant	
Supports ThinkVantage Technologies	



See footnotes for important warranty information

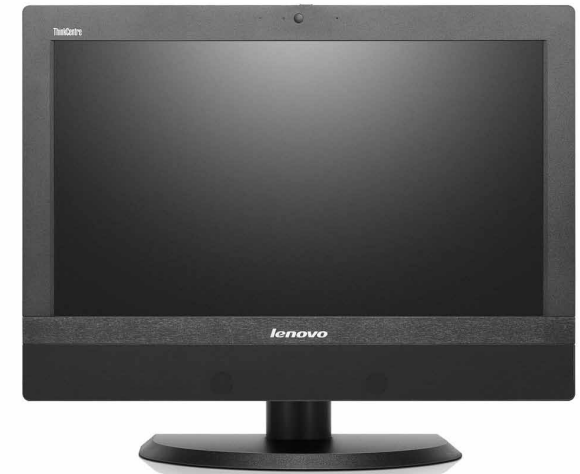
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ThinkCentre M83z with
frame stand and wireless
mouse/keyboard



ThinkCentre M83z with
monitor stand (tilt-only)



ThinkCentre M83z with
monitor stand (full-function)



ThinkCentre M83z with
frame stand



ThinkCentre M83z with
monitor stand (tilt-only)



ThinkCentre M83z with
monitor stand (full-function)

ThinkCentre M83z Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron®, Pentium®, or 4th Generation Core™ i3 / i5 / i7 Processor							Security features <ul style="list-style-type: none">Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)Power-on passwordAdministrator passwordHard disk passwordBoot sequence controlBoot without keyboard and mouseUSB port disablementOptional Chassis intrusion switch																				
	Processor	Cores / Threads	Clock Speed	Max Turbo Frequency	Cache	Memory Types	Integrated Graphics																					
	Pentium G3220	2 / 2	3.0 GHz	-	3MB	DDR3-1333	Intel HD																					
	Pentium G3240	2 / 2	3.1 GHz	-	3MB	DDR3-1333	Intel HD																					
	Core i3-4130	2 / 4	3.4 GHz	-	3MB	DDR3-1600	Intel HD 4400																					
	Core i3-4150	2 / 4	3.5 GHz	-	3MB	DDR3-1600	Intel HD 4400																					
	Core i5-4430S	4 / 4	2.7 GHz	3.2 GHz	6MB	DDR3-1600	Intel HD 4600																					
	Core i5-4460S	4 / 4	2.9 GHz	3.4 GHz	6MB	DDR3-1600	Intel HD 4600																					
	Core i5-4570S	4 / 4	2.9 GHz	3.6 GHz	6MB	DDR3-1600	Intel HD 4600																					
	Core i5-4590S	4 / 4	3.0 GHz	3.7 GHz	6MB	DDR3-1600	Intel HD 4600																					
	Core i7-4770S	4 / 8	3.1 GHz	3.9 GHz	8MB	DDR3-1600	Intel HD 4600																					
Memory	16GB max ⁷ / DDR3 Low Voltage, DDR3L-1600*, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller																											
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide <i>Some:</i> 1TB (7200 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 3.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable																											
Optical Media reader	Optional 7-in-1 single slot media card reader																											
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, DirectX® 11, one VGA-out, supports dual independent display; <i>Maximum resolution:</i> 1920x1200 (VGA) @60Hz (Reduced Blanking) 21.5" (546.1mm) Full HD 1080p (1920x1080) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare																											
Display																												
Multi-touch	None																											
Camera	<i>Some:</i> 720p camera, 1.0-megapixel, fixed focus, digital microphone, LED indicator, physical switch on/off <i>Some:</i> 1080p camera, 2.0-megapixel, fixed focus, dual array digital microphone, LED indicator, physical switch on/off																											
Controls	Brightness up/down and power button on right side																											
Chipset	Intel H81 Express Chipset																											
Rear ports	Four USB 2.0, ethernet (RJ-45), VGA-out, optional serial (9-pin), optional PS/2 ports (mouse / keyboard)																											
Side ports	Two USB 3.0, one microphone (stereo, 3.5mm), one headphone (stereo, 3.5mm)																											
ExpressCard	None																											
PCIe Mini Card	One PCI Express Mini Card slot (half size, for WLAN)																											
Audio support	High Definition (HD) Audio, Realtek ALC269VC / internal speakers (2watt x 2)																											
WLAN ¹³	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8723BE, Wi-Fi + Bluetooth combo adapter, 1x1 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8192EE, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11ac/a/b/g/n wireless, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo adapter, 2x2																											
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter																											
Ethernet	One gigabit ethernet port, Intel I217-V, Wake on LAN																											
vPro & iAMT	None																											
Security chip	Trusted Platform Module, TCG 1.2-compliant																											
Keyboard																												
<i>Some:</i> Preferred Pro USB Keyboard (USB connector), Lenovo logo <i>Some:</i> Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black <i>Some:</i> Enhanced Optical USB Mouse, black, Lenovo logo <i>Some:</i> Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black																												
Mouse																												
Mechanical																												
<ul style="list-style-type: none">Business black colorSupport VESA mount (100mm)																												
<table><tr><td>Dimensions (WxDxH)</td><td>Weight (Maximum)</td><td>Adjustments</td></tr><tr><td colspan="3">M83z with frame stand</td></tr><tr><td>21.26" X 3.70" X 15.59" 540mm X 94mm X 396mm</td><td>16.53 lb (7.5 kg)</td><td>Tilt: 10° to 25° back</td></tr><tr><td colspan="3">M83z with monitor stand (full-function)</td></tr><tr><td>21.26" X 9.84" X 17.56" 540mm X 250mm X 446mm</td><td>21.93 lb (9.95 kg)</td><td>Tilt: 25° back, -5° forward Lift: 110mm Swivel: +/-45°</td></tr><tr><td colspan="3">M83z with monitor stand (tilt-only)</td></tr><tr><td>21.26" X 6.89" X 16.85" 540mm X 175mm X 428mm</td><td>19.82 lb (8.99 kg)</td><td>Tilt: 45° back, -5° forward</td></tr></table>								Dimensions (WxDxH)	Weight (Maximum)	Adjustments	M83z with frame stand			21.26" X 3.70" X 15.59" 540mm X 94mm X 396mm	16.53 lb (7.5 kg)	Tilt: 10° to 25° back	M83z with monitor stand (full-function)			21.26" X 9.84" X 17.56" 540mm X 250mm X 446mm	21.93 lb (9.95 kg)	Tilt: 25° back, -5° forward Lift: 110mm Swivel: +/-45°	M83z with monitor stand (tilt-only)			21.26" X 6.89" X 16.85" 540mm X 175mm X 428mm	19.82 lb (8.99 kg)	Tilt: 45° back, -5° forward
Dimensions (WxDxH)	Weight (Maximum)	Adjustments																										
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21.26" X 6.89" X 16.85" 540mm X 175mm X 428mm	19.82 lb (8.99 kg)	Tilt: 45° back, -5° forward																										
Power supply 150 watts, autosensing, 85% PSU, 100-240V (50-60Hz)																												
Limited warranty ³ <i>Some:</i> 3-years, limited onsite service / service upgrades available <i>Some:</i> 3-years, limited onsite service, IWS (International Warranty Service ⁹) / service upgrades available <i>For Lenovo service upgrade options, please go to S-TC sheet</i>																												
Preload																												
<table><tr><td>Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed)<ul style="list-style-type: none">Rescue and Recovery™Password ManagerPreloaded applications (only some listed)<ul style="list-style-type: none">ThinkVantage® Product RecoveryThinkVantage System UpdateThinkVantage Communication UtilityThinkVantage Device ExperienceThinkVantage AutoLockDesktop Power ManagerView Management UtilityLenovo Solution CenterLenovo Message Center PlusNorton™ Internet Security (30 days of virus definitions)Adobe® Reader®Skype™Microsoft Office preloaded; purchase a product key to activateCyberlink Power2Go (DVD±RW)Cyberlink PowerProducer (DVD±RW)Evernote®Nitro Pro</td><td><i>Some:</i> Windows 8.1 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit Web install applications (only some listed)<ul style="list-style-type: none">Password ManagerPreloaded applications (only some listed)<ul style="list-style-type: none">ThinkVantage System UpdateThinkVantage AutoLockDesktop Power ManagerLenovo Solution CenterLenovo SupportLenovo CompanionNorton Internet Security (30 days of virus definitions)Skype™Microsoft Office preloaded; purchase a product key to activateCyberlink PowerDVD (DVD±RW, DVD)Cyberlink Power2Go (DVD±RW)Cyberlink PowerProducer (DVD±RW)Evernote®Nitro ProAccuWeatherNorton™ StudioPokkiHightail</td></tr></table>								Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">Rescue and Recovery™Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">ThinkVantage® Product RecoveryThinkVantage System UpdateThinkVantage Communication UtilityThinkVantage Device ExperienceThinkVantage AutoLockDesktop Power ManagerView Management UtilityLenovo Solution CenterLenovo Message Center PlusNorton™ Internet Security (30 days of virus definitions)Adobe® Reader®Skype™Microsoft Office preloaded; purchase a product key to activateCyberlink Power2Go (DVD±RW)Cyberlink PowerProducer (DVD±RW)Evernote®Nitro Pro	<i>Some:</i> Windows 8.1 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit Web install applications (only some listed) <ul style="list-style-type: none">Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">ThinkVantage System UpdateThinkVantage AutoLockDesktop Power ManagerLenovo Solution CenterLenovo SupportLenovo CompanionNorton Internet Security (30 days of virus definitions)Skype™Microsoft Office preloaded; purchase a product key to activateCyberlink PowerDVD (DVD±RW, DVD)Cyberlink Power2Go (DVD±RW)Cyberlink PowerProducer (DVD±RW)Evernote®Nitro ProAccuWeatherNorton™ StudioPokkiHightail																			
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Environment																												
EPEAT™ Gold; ENERGY STAR® 6.0; GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; EuP Lot 3																												

See footnotes for more detailed information

ThinkCentre M83z (10C2) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Widescreen display	Multi-Touch	Graphics	Camera	Storage	Optical	WLAN	Media reader	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key-board/Mouse	Preload	Base Warranty (year)	Global	Ann Date (mm/yy)
10C20000++	G3220	4GBx1	21.5" FHD	None	Intel HD	720p	500G 7200	DVD±RW	RTL8723BE	Media	None	Switch	Frame	USB	Win7 P64 DG Win8.1	3-onsite	No	04/14
10C20001++	i3-4130	4GBx1	21.5" FHD	None	HD 4400	720p	500G 7200	DVD±RW	7260 b/g/n	Media	None	Switch	Frame	USB	Win7 P64 DG Win8.1	3-onsite	No	04/14
10C20002++	i5-4460S	4GBx1	21.5" FHD	None	HD 4600	720p	500G 7200	DVD±RW	7260 b/g/n	Media	None	Switch	Frame	USB	Win7 P64 DG Win8.1	3-onsite	No	07/14
10C20003++	i3-4150	4GBx1	21.5" FHD	None	HD 4400	720p	500G 7200	DVD±RW	7260 b/g/n	Media	None	Switch	Frame	USB	Win7 P64 DG Win8.1	3-onsite	No	07/14
10C20004++	G3240	4GBx1	21.5" FHD	None	Intel HD	720p	500G 7200	DVD±RW	RTL8723BE	Media	None	Switch	Frame	USB	Win7 P64 DG Win8.1	3-onsite	No	07/14

Country Code"+": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

- For detailed platform specifications, please see [ThinkCentre M83z Platform Specifications](#) sheet

Processor	Intel® Celeron®, Pentium®, or 4th Generation Core™ i3 / i5 / i7 Processor							Audio support	High Definition (HD) Audio, Realtek ALC269VC / internal speakers (2watt x 2)	
	Processor	Cores / Threads	Clock Speed	Max Turbo Frequency	Cache	Memory Types	Integrated Graphics	WLAN ⁴	<i>Some:</i> 11a/b/g/n, Realtek RTL8723BE, Wi-Fi + BT combo <i>Some:</i> 11a/b/g/n, Realtek RTL8192EE, Wi-Fi + BT combo <i>Some:</i> 11b/g/n, Intel Centrino Wireless-N 7260, Wi-Fi + BT combo <i>Some:</i> 11ac/a/b/g/n, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo	
	Pentium G3220	2 / 2	3.0 GHz	-	3MB	DDR3-1333	Intel HD			
	Pentium G3240	2 / 2	3.1 GHz	-	3MB	DDR3-1333	Intel HD			
	Core i3-4130	2 / 4	3.4 GHz	-	3MB	DDR3-1600	Intel HD 4400	Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
	Core i3-4150	2 / 4	3.5 GHz	-	3MB	DDR3-1600	Intel HD 4400	Ethernet	One gigabit ethernet port, Intel I217-V, Wake on LAN	
	Core i5-4460S	4 / 4	2.9 GHz	3.4 GHz	6MB	DDR3-1600	Intel HD 4600	vPro & iAMT	None	
Memory	16GB max ⁷ / DDR3 Low Voltage, DDR3L-1600*, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller							Security chip:	Trusted Platform Module, TCG 1.2-compliant	
								Security features	<ul style="list-style-type: none">• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Power-on password• USB port disablement• Administrator password• Chassis intrusion switch on selected model(s)	
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide <i>Some:</i> 1TB (7200 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 3.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide							Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), Lenovo logo	
	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable Optional 7-in-1 single slot media card reader							Mouse	<i>Some:</i> Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black <i>Some:</i> Enhanced Optical USB Mouse, black, Lenovo logo <i>Some:</i> Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black	
Optical Media reader								Mechanical	<ul style="list-style-type: none">• Business black color• Support VESA mount (100mm) <i>With frame stand:</i> <ul style="list-style-type: none">• Adjustable stand (between 10° and 25°) <i>With monitor stand (full-function):</i> <ul style="list-style-type: none">• Tilt: 25° back, -5° forward; Lift: 110mm; Swivel: +/-45° <i>With monitor stand (tilt-only):</i> <ul style="list-style-type: none">• Adjustable stand (between -5° and 45°)	
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, DirectX® 11, one VGA-out, supports dual independent display; <i>Maximum resolution:</i> 1920x1200 (VGA) @60Hz (Reduced Blanking)							Power supply	150 watts, autosensing, 85% PSU, 100-240V (50-60Hz)	
Display	21.5" (546.1mm) Full HD 1080p (1920x1080) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare							Limited warranty ¹²	<i>Some:</i> 3-years, limited onsite service / service upgrades available <i>Some:</i> 3-years, limited onsite service, IWS (International Warranty Service ⁹) / service upgrades available	
Multi-touch	None							Preload	<i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit	
Camera	<i>Some:</i> 720p camera, 1.0-megapixel, fixed focus, digital microphone, LED indicator, physical switch on/off <i>Some:</i> 1080p camera, 2.0-megapixel, fixed focus, dual array digital microphone, LED indicator, physical switch on/off								<i>Some:</i> Windows 8.1 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit	
Controls	Brightness up/down and power button on right side							Environment	EPEAT™ Gold; ENERGY STAR® 6.0; GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; EuP Lot 3	
Chipset	Intel H81 Express Chipset									
Rear ports	Four USB 2.0, ethernet (RJ-45), VGA-out, optional serial (9-pin), optional PS/2 ports (mouse / keyboard)									
Side ports	Two USB 3.0, one microphone (stereo, 3.5mm), one headphone (stereo, 3.5mm)									
ExpressCard	None									
PCIe Mini Card	One PCI Express Mini Card slot (half size, for WLAN)									

See footnotes for more detailed information

ThinkCentre M83z (10C3)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Widescreen display	Multi-Touch	Graphics	Camera	Storage	Optical	WLAN	Media reader	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key-board/Mouse	Preload	Base Warranty (year)	Global	Ann Date (mm/yy)
10C3001J++	i7-4770S	4GBx1	21.5" FHD	None	HD 4600	720p	1TB 7200	DVD±RW	7260 b/g/n	Media	S P	Switch	Monitor (full)	USB	Win7 P64 DG Win8.1	3-onsite	No	04/14
10C3000V++	i5-4570S	4GBx1	21.5" FHD	None	HD 4600	720p	500G Hybrid	DVD±RW	7260 b/g/n	Media	None	Switch	Monitor (full)	USB	Win7 P64 DG Win8.1	3-onsite IWS	Global	04/14
10C30014++	i3-4130	4GBx1	21.5" FHD	None	HD 4400	720p	500G 7200	DVD±RW	7260 b/g/n	Media	None	Switch	Monitor (full)	USB	Win8.1 Pro64	3-onsite IWS	Global	04/14
10C3000P++	i3-4130	4GBx1	21.5" FHD	None	HD 4400	720p	500G Hybrid	DVD±RW	7260 b/g/n	Media	S P	Switch	Monitor (full)	USB	Win7 P64 DG Win8.1	3-onsite	No	05/14
10C3000Q++	i5-4430S	4GBx1	21.5" FHD	None	HD 4600	720p	500G Hybrid	DVD±RW	7260 b/g/n	Media	None	Switch	Monitor (full)	USB	Win7 P64 DG Win8.1	3-onsite	No	05/14
10C3000U++	i3-4130	4GBx1	21.5" FHD	None	HD 4400	720p	500G 7200	DVD±RW	7260 b/g/n	Media	S P	Switch	Frame	USB	Win7 P64 DG Win8.1	3-onsite	No	05/14
10C30020++	i3-4150	4GBx1	21.5" FHD	None	HD 4400	None	500G 7200	DVD±RW	7260 b/g/n	Media	None	Switch	Frame	USB	Win7 P64	3-onsite IWS	Global	06/14
10C30021++	i5-4590S	4GBx1	21.5" FHD	None	HD 4600	720p	500G 7200	DVD±RW	7260 b/g/n	Media	None	None	Monitor (full)	USB	Win7 P64 DG Win8.1	3-onsite IWS	Global	07/14

Country Code"+": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

- For detailed platform specifications, please see [ThinkCentre M83z Platform Specifications sheet](#)

Processor	Intel® Celeron®, Pentium®, or 4th Generation Core™ i3 / i5 / i7 Processor							WLAN ⁴	Some: 11a/b/g/n, Realtek RTL8723BE, Wi-Fi + BT combo Some: 11a/b/g/n, Realtek RTL8192EE, Wi-Fi + BT combo Some: 11b/g/n, Intel Centrino Wireless-N 7260, Wi-Fi + BT combo Some: 11ac/a/b/g/n, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo	
	Processor	Cores / Threads	Clock Speed	Max Turbo Frequency	Cache	Memory Types	Integrated Graphics	Bluetooth™ Ethernet	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter One gigabit ethernet port, Intel I217-V, Wake on LAN	
	Pentium G3220	2 / 2	3.0 GHz	-	3MB	DDR3-1333	Intel HD	vPro & iAMT Security chip:	None Trusted Platform Module, TCG 1.2-compliant	
	Core i3-4130	2 / 4	3.4 GHz	-	3MB	DDR3-1600	Intel HD 4400	Security features	<ul style="list-style-type: none"> Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) Hard disk password Boot sequence control Power-on password Administrator password USB port disablement Chassis intrusion switch on selected model(s) 	
	Core i3-4150	2 / 4	3.5 GHz	-	3MB	DDR3-1600	Intel HD 4400	Keyboard	Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo Some: Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black	
	Core i5-4430S	4 / 4	2.7 GHz	3.2 GHz	6MB	DDR3-1600	Intel HD 4600	Mouse	Some: Enhanced Optical USB Mouse, black, Lenovo logo Some: Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black	
	Core i5-4570S	4 / 4	2.9 GHz	3.6 GHz	6MB	DDR3-1600	Intel HD 4600	Mechanical	<ul style="list-style-type: none"> Business black color Support VESA mount (100mm) With frame stand: Adjustable stand (between 10° and 25°) With monitor stand (full-function): Tilt: 25° back, -5° forward; Lift: 110mm; Swivel: +/-45° With monitor stand (tilt-only): Adjustable stand (between -5° and 45°) 	
	Core i5-4590S	4 / 4	3.0 GHz	3.7 GHz	6MB	DDR3-1600	Intel HD 4600	Power supply	150 watts, autosensing, 85% PSU, 100-240V (50-60Hz)	
	Core i7-4770S	4 / 8	3.1 GHz	3.9 GHz	8MB	DDR3-1600	Intel HD 4600	Limited warranty ¹²	Some: 3-years, limited onsite service / service upgrades available Some: 3-years, limited onsite service, IWS (International Warranty Service®) / service upgrades available	
Memory	16GB max ⁷ / DDR3 Low Voltage, DDR3L-1600*, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller							Preload	Some: Windows® 7 Professional 64 Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Some: Windows 8.1 64-bit Some: Windows 8.1 Pro 64-bit	
Disk	Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm Some: 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide Some: 1TB (7200 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 3.5" wide Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable Optional 7-in-1 single slot media card reader							Environment	EPEAT™ Gold; ENERGY STAR® 6.0; GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; EuP Lot 3	
Optical										
Media reader										
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, DirectX® 11, one VGA-out, supports dual independent display; Maximum resolution: 1920x1200 (VGA)@60Hz (Reduced Blanking)									
Display	21.5" (546.1mm) Full HD 1080p (1920x1080) TFT color, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare									
Multi-touch	None									
Camera	Some: 720p camera, 1.0-megapixel, fixed focus, digital microphone, LED indicator, physical switch on/off Some: 1080p camera, 2.0-megapixel, fixed focus, dual array digital microphone, LED indicator, physical switch on/off									
Controls	Brightness up/down and power button on right side									
Chipset	Intel H81 Express Chipset									
Rear ports	Four USB 2.0, ethernet (RJ-45), VGA-out, optional serial (9-pin), optional PS/2 ports (mouse / keyboard)									
Side ports	Two USB 3.0, one microphone (stereo, 3.5mm), one headphone (stereo, 3.5mm)									
ExpressCard	None									
PCIe Mini Card	One PCI Express Mini Card slot (half size, for WLAN)									
Audio support	High Definition (HD) Audio, Realtek ALC269VC / internal speakers (2watt x 2)									

See footnotes for more detailed information



Lenovo ThinkCentre M93/M93p Tiny
with Lenovo ThinkVision Monitor



Lenovo ThinkCentre M93/M93p Tiny
with optional WLAN



Lenovo ThinkCentre M93/M93p Tiny
with optional external I/O box



Lenovo ThinkCentre M93/M93p Tiny
with optional external optical box



Lenovo ThinkCentre M93/M93p Tiny
(inside view)



Lenovo ThinkCentre M93/M93p Tiny

ThinkCentre M93/M93p Tiny, Small Pro, Mini Tower II

ThinkCentre®



Lenovo ThinkCentre M93/M93p Mini Tower
with Lenovo ThinkVision Monitor



Lenovo ThinkCentre M93/M93p Mini Tower
with optional WLAN and graphic card



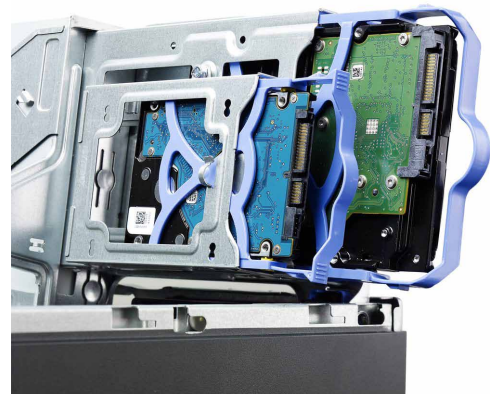
Lenovo ThinkCentre M93/M93p Small Pro
with Lenovo ThinkVision Monitor



Lenovo ThinkCentre M93/M93p Small Pro
with optional dual graphic cards
* Cable lock only available on some special bid
models



Lenovo ThinkCentre M93/M93p Small Pro
(inside view)



Optional 2.5" bay on
Lenovo ThinkCentre M93/M93p Small Pro
* Come with optional 2.5" 2nd HDD

ThinkCentre M93 Tiny (10A5) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB	External optical / I/O box	PCle Mini Card WLAN / BT	Optional port	DP to DVI Dongle	Chassis intrusion switch	Security cable	Floor stand	VESA mount	Keyboard / mouse	Preload	Ann date (mm/dd/yy)
10A50000++	i3-4130T	4GBx1	500G Hybrid	None	Intel 105	2nd DP	2xDongle	None	None	None	Mount	USB	Win7 Pro64 (DG)	09/10/13
10A50001++	i3-4130T	4GBx1	500G Hybrid	None	Intel 105	2nd DP	None	Switch	Cable	None	Mount	USB	Win7 Pro64 (DG)	09/10/13
10A50002++	i3-4130T	4GBx1	500G Hybrid	DVD±RW	Intel 105	2nd DP	None	Switch	Cable	None	Mount	USB	Win7 Pro64 (DG)	09/10/13
10A50005++	i3-4150T	4GBx1	500G Hybrid	None	7260 b/g/n	2nd DP	None	Switch	Cable	None	Mount	USB	Win7 P64 DG Win 8.1	07/08/14
10A50006++	i3-4150T	4GBx1	500G Hybrid	DVD±RW	7260 b/g/n	2nd DP	None	Switch	Cable	None	Mount	USB	Win7 P64 DG Win 8.1	07/08/14

Country Code"++": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

• Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program

Positioning Processor	Ultimate security, stability, and manageability for the enterprise Intel® Core™ i3-4130T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache) , integrated Intel HD Graphics 4400, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i3-4150T Processor (2 cores / 4 threads, 3.0GHz, 3MB cache) , integrated Intel HD Graphics 4400, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology		Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit	
Implementation	Processor in LGA1150 socket		Ready to install applications (only some listed)	
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		<ul style="list-style-type: none">● Rescue and Recovery™● Password Manager	
Graphics	Intel HD Graphics 4400 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, one optional HDMI or one optional 2nd DisplayPort on select models, supports up to triple independent display; <i>Maximum resolution:</i> 2560x1600 (DisplayPort)@60Hz; 1920x1080 (HDMI)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)		Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● Desktop Power Manager● View Management Utility● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Message Center Plus● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™● Microsoft Office preloaded; purchase a product key to activate● Cyberlink PowerDVD (DVD±RW, DVD)● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Evernote● Intel AppUp● Intel Small Business Advantage● Nitro Pro	
DP dongle	<i>Some:</i> DisplayPort to Single-link DVI-D Cable			
Disk	<i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide			
External optical	<i>Some:</i> external optical box with slim DVD burner, 12.7mm high, tray-in, via USB 3.0			
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset			
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar			
eSATA port	None			
Chipset	Intel Q87 Express Chipset			
Front ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)			
Rear ports	Three USB 3.0 (optional external optical box or external I/O box occupies one specific USB 3.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / 2nd DisplayPort / HDMI on selected models)			
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 3.0 port			
PCle Mini Card	One PCI Express® Mini Card slot (Half Size)			
PCle WLAN	<i>Some:</i> 11b/g/n wireless, PCle Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 <i>Some:</i> 11b/g/n wireless, PCle Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2			
Bluetooth	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter			
Audio	High Definition (HD) Audio, Realtek® ALC283 codec		Security <ul style="list-style-type: none">● Security chip (see information on left)● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● Individual USB port disablement● Chassis intrusion switch on selected model(s)	
Speaker	Internal speaker for business audio (1.5 watt)			
IEEE 1394	None			
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®			
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)			
Modem	None			
Security chip	Trusted Platform Module (TPM1.2-compliant)			
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo		EPEAT™ Gold rating	
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		ENERGY STAR® 6.0-compliant	
Floor Stand	Optional system floor stand for vertical orientation		ULE Gold	
VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm mount standard		Cisco EnergyWise compatible	
Power supply	65 watts AC/DC adapter, autosensing, 88% PSU		GREENGUARD® certified	
Machine	<ul style="list-style-type: none">● Tiny (1L), business black color; metal case● M93/p Tiny only: 7.0" W X 7.2" D X 1.4" H● M93/p Tiny only: 179mm W X 182mm D X 34.5mm H● M93/p Tiny only: 2.9 lb (1.3 kg), weight may vary by configuration● With VESA mount & optical box: 7.2" W X 7.2" D X 2.55" H● With VESA mount & optical box: 184mm W X 182mm D X 65mm H● With VESA mount & optical box: 5.1 lb (2.3 kg), weight may vary by configuration		RoHS-compliant	
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		Supports ThinkVantage Technologies	
			For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet	

See footnotes for important warranty information

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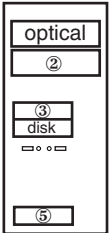
ThinkCentre M93 Mini Tower (10A1) - TopSeller

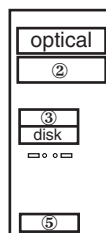
Product Specifications Reference (PSREF)

Type-model	Slot x bay	Pro-processor	Memory ⁸	SATA disk GB rpm	SATA optical	PCIe WLAN	Graphics	Additional Front USB 2.0	2nd serial port	PS/2 ports	Chassis intrusion switch	Intel vPro	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10A10000++	4x5	i3-4130	4Gx1	500G 7200	DVD±RW	None	HD 4400	None	None	PS/2	Switch	None	None	None	12/31/14

Country Code "++": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)
 Note: models listed above might not be available in all WE countries

● Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program

Positioning	Ultimate security, stability, and manageability for the enterprise										Preloaded operating system				
Processor	Intel® Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller										Some: No operating system				
Implementation	Processor in LGA1150 socket										Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit				
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets										Ready to install applications (only some listed)				
Graphics	Intel HD Graphics 4400/4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)										● Rescue and Recovery™ ● Password Manager				
DP dongle	None										Preloaded applications (only some listed)				
Disk	Some: SATA 6.0Gb/s 7200 rpm, 3.5" wide										● ThinkVantage® Product Recovery				
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive										● ThinkVantage System Update				
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support										● ThinkVantage Communication Utility				
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)										● Desktop Power Manager				
eSATA port	None										● View Management Utility				
Media reader	None										● Lenovo Cloud Storage by SugarSync				
Chipset	Intel Q87 Express Chipset										● Lenovo Solution Center				
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)										● Lenovo Message Center Plus				
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), one VGA, two DisplayPort, optional keyboard (PS/2), optional mouse (PS/2), additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models										● Norton™ Internet Security (30 days of virus definitions)				
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)										● Adobe® Reader®				
PCIe WLAN	None										● Skype™				
Bluetooth	None										● Microsoft Office preloaded; purchase a product key to activate				
Audio	High Definition (HD) Audio, Realtek® ALC662 codec										● Cyberlink PowerDVD (DVD±RW, DVD)				
Speaker	Internal speaker for business audio (1.5 watt)										● Cyberlink Power2Go (DVD±RW)				
IEEE 1394	None										● Cyberlink PowerProducer (DVD±RW)				
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®										● Evernote				
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)										● Intel AppUp				
Modem	None										● Intel Small Business Advantage				
Security chip	Trusted Platform Module (TPM1.2-compliant)										● Nitro Pro				
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo														
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo														
Power supply	280 watts, autosensing, 85% PSU														
Machine	● Mini Tower (25L), business black color, metal case ● (WxDxH) 6.89" X 17.41" X 16.32"; 175mm X 442.3mm X 414.5mm ● 24.69 lb (11.20 kg) in maximum configuration ● Toolless cover removal, adapter retention ● Toolless disk, optical drive removal														
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk														
Slot	Slot 1: half-length, full-height, PCIe 3.0 x16 (75w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x16 (x4 elec, 75w max) Slot 4: half-length, full-height, 32-bit PCI 2.3														
															
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available										Security				
● Security chip (see information on left)															
● One lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable)															
● Power-on password															
● Administrator password															
● Hard disk password															
● Boot sequence control															
● Boot without keyboard and mouse															
● Serial port I/O control															
● Individual USB port disablement															
● Chassis intrusion switch on selected model(s)															
EPEAT™ Gold rating (for Windows models)															
ENERGY STAR® 6.0-compliant (for Windows models)															
ULE Gold															
Cisco EnergyWise compatible															
GREENGUARD® certified															
RoHS-compliant															
Supports ThinkVantage Technologies															



ThinkCentre M93p Tiny (10AB) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical / I/O box	PCIe Mini Card WLAN / BT	Optional port	Chassis intrusion switch	Security cable	Floor stand	VESA mount	Keyboard / mouse	Intel vPro	Preload	Ann date (mm/dd/yy)
10AB000W++	i7-4765T	4GBx1	500G Hybrid	None	Intel 6235	2nd DP	Switch	Cable	None	Mount	USB	vPro	Win7 Pro64 (DG)	07/02/13
10AB000X++	i5-4570T	4GBx1	500G Hybrid	DVD±RW	Intel 6235	2nd DP	Switch	Cable	None	Mount	USB	vPro	Win7 Pro64 (DG)	07/02/13
10AB000Y++	i5-4570T	4GBx1	500G Hybrid	None	Intel 6235	2nd DP	Switch	Cable	None	Mount	USB	vPro	Win7 Pro64 (DG)	07/02/13
10AB001U++	i5-4570T	4GBx1	128G SSD	None	Intel 6235	2nd DP	Switch	Cable	None	Mount	USB	vPro	Win7 Pro64 (DG)	11/26/13
10AB002S++	i5-4570T	4GBx1	128G SSD	DVD±RW	Intel 6235	2nd DP	Switch	Cable	None	Mount	USB	vPro	Win7 Pro64 (DG)	01/14/14
10AB003C++	i5-4590T	4GBx1	500G Hybrid	None	7260 ac	2nd DP	Switch	Cable	None	Mount	USB	vPro	Win7 P64 DG Win 8.1	07/08/14
10AB003D++	i7-4785T	4GBx1	500G Hybrid	None	7260 ac	2nd DP	Switch	Cable	None	Mount	USB	vPro	Win7 P64 DG Win 8.1	07/08/14
10AB003G++	i5-4590T	4GBx1	128G SSD	None	7260 ac	2nd DP	Switch	Cable	None	Mount	USB	vPro	Win7 P64 DG Win 8.1	07/08/14
10AB003H++	i5-4590T	4GBx1	500G Hybrid	DVD±RW	7260 ac	2nd DP	Switch	Cable	None	Mount	USB	vPro	Win7 P64 DG Win 8.1	07/08/14
10AB003L++	i7-4785T	8GBx1	256G SSD	None	7260 ac	2nd DP	Switch	Cable	None	Mount	USB	vPro	Win7 P64 DG Win 8.1	07/08/14

Positioning	Ultimate security, stability, and manageability for the enterprise														Preloaded operating system		
Processor	Intel® Core™ i5-4570T Processor (2 cores / 4 threads, 2.9GHz, 4MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590T Processor (2 cores / 4 threads, 2.0GHz, 6MB cache), Turbo Boost 2.0 (3.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4765T Processor (4 cores / 8 threads, 2.0GHz, 8MB cache), Turbo Boost 2.0 (3.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4785T Processor (4 cores / 8 threads, 2.2GHz, 8MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket														Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit		
Implementation	Processor in LGA1150 socket														Ready to install applications (only some listed)		
Memory	16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)														• Rescue and Recovery™ • Password Manager		
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, one optional HDMI or one optional 2nd DisplayPort on select models, supports up to triple independent display; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1080 (HDMI)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)														Preloaded applications (only some listed)		
DP dongle	None														• ThinkVantage® Product Recovery • ThinkVantage System Update • ThinkVantage Communication Utility • Desktop Power Manager • View Management Utility • Lenovo Cloud Storage by SugarSync • Lenovo Solution Center • Lenovo Message Center Plus • Norton™ Internet Security (30 days of virus definitions) • Adobe® Reader® • Skype™		
Disk	Some: 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide														• Microsoft Office preloaded; purchase a product key to activate • Cyberlink PowerDVD (DVD±RW, DVD) • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) • Evernote • Intel AppUp • Intel Small Business Advantage • Nitro Pro		
External optical	Some: external optical box with slim DVD burner, 12.7mm high, tray-in, via USB 3.0														Security • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard and mouse • Individual USB port disablement • Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 6.0-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies		
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset																
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar																
eSATA port	None																
Chipset	Intel Q87 Express Chipset																
Front ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)																
Rear ports	Three USB 3.0 (optional external optical box or external I/O box occupies one specific USB 3.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / 2nd DisplayPort / HDMI on selected models)																
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 3.0 port																
PCIe Mini Card	One PCI Express® Mini Card slot (Half Size)																
PCIe WLAN	Some: 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Advanced-N 6235, Wi-Fi + Bluetooth combo adapter, 2x2 Some: 11ac/a/b/g/n wireless, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo adapter, 2x2																
Bluetooth	Some: Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter																
Audio	High Definition (HD) Audio, Realtek® ALC283 codec																
Speaker	Internal speaker for business audio (1.5 watt)																
IEEE 1394	None																
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®																
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)																
Modem	None																
Security chip	Trusted Platform Module (TPM1.2-compliant)																
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo																
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo																
Floor Stand	Optional system floor stand for vertical orientation																
VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm mount standard																
Power supply	65 watts AC/DC adapter, autosensing, 88% PSU																
Machine	• Tiny (1L), business black color; metal case • M93/p Tiny only: 7.0" W X 7.2" D X 1.4" H • M93/p Tiny only: 179mm W X 182mm D X 34.5mm H • M93/p Tiny only: 2.9 lb (1.3 kg), weight may vary by configuration • With VESA mount & optical box: 7.2" W X 7.2" D X 2.55" H • With VESA mount & optical box: 184mm W X 182mm D X 65mm H • With VESA mount & optical box: 5.1 lb (2.3 kg), weight may vary by configuration																
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available																

See footnotes for important warranty information

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(G-MSS1N-1) July 2014

ThinkCentre M93p Tiny (10AA) - GMP

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	SATA disk GB rpm	External optical / I/O box	PCIe Mini Card WLAN / BT	Optional port	Chassis intrusion switch	Floor stand	VESA mount / mouse	Keyboard Intel vPro	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10AA0020++	i5-4570T	4GBx1	500G 5400	DVD	Intel 2230	Serial	Switch	None	Mount	USB	vPro G P	Win7 Pro64 (DG)	07/02/13
10AA0021++	i7-4765T	4GBx1	128G SSD	DVD	Intel 2230	2nd DP	Switch	None	Mount	USB	vPro G P	Win7 Pro64 (DG)	07/02/13
10AA0022++	i5-4570T	4GBx1	500G 5400	None	Intel 2230	HDMI	Switch	Stand	None	USB	vPro G P	Win7 Pro64 (DG)	07/02/13
10AA001Y++	i5-4570T	2GBx1	320G 5400	None	Intel 105	None	Switch	Stand	None	USB	vPro G P	Win7 Pro64	07/09/13
10AA002R++	i5-4570T	4GBx1	500G 7200	None	Intel 2230	HDMI	Switch	Stand	None	USB	vPro G P	Win7 Pro64 (DG)	10/08/13
10AA002S++	i5-4570T	4GBx1	500G 7200	DVD±RW	Intel 2230	Serial	Switch	None	Mount	USB	vPro G P	Win7 Pro64 (DG)	10/08/13
10AA002U++	i5-4570T	4GBx1	500G Hybrid	None	Intel 2230	HDMI	None	Stand	None	USB	vPro G P	Win7 Pro64 (DG)	11/12/13
10AA002V++	i7-4765T	4GBx1	500G Hybrid	None	Intel 2230	2nd DP	None	Stand	None	USB	vPro G P	Win7 Pro64 (DG)	11/12/13
10AA002W++	i5-4570T	4GBx1	500G 7200	None	Intel 105	2nd DP	None	Stand	None	USB	vPro G P	Win7 Pro64 (DG)	11/12/13
10AA003X++	i5-4570T	8GBx1	128G SSD	None	Intel 6235	2nd DP	None	Stand	None	USB	vPro G P	Win7 Pro64 (DG)	01/14/14
10AA003Y++	i7-4765T	8GBx1	256G SSD	None	Intel 6235	2nd DP	None	Stand	None	USB	vPro G P	Win7 Pro64 (DG)	01/14/14
10AA004J++	i5-4590T	2GBx1	320G 5400	None	Intel 105	None	Switch	Stand	None	USB	vPro G P	Win7 Pro64	06/10/14

Positioning	<i>Ultimate security, stability, and manageability for the enterprise</i>										Preloaded operating system		
Processor	Intel® Core™ i5-4570T Processor (2 cores / 4 threads, 2.9GHz, 4MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590T Processor (2 cores / 4 threads, 2.0GHz, 6MB cache), Turbo Boost 2.0 (3.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4765T Processor (4 cores / 8 threads, 2.0GHz, 8MB cache), Turbo Boost 2.0 (3.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket										Some: Windows® 7 Professional 64 Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit		
Implementation	Processor in LGA1150 socket										Ready to install applications (only some listed)		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)										• Rescue and Recovery™ • Password Manager		
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, one optional HDMI or one optional 2nd DisplayPort on select models, supports up to triple independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1080 (HDMI)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)</i>										Preloaded applications (only some listed)		
DP dongle	None										• ThinkVantage® Product Recovery • ThinkVantage System Update • ThinkVantage Communication Utility • Desktop Power Manager • View Management Utility • Lenovo Cloud Storage by SugarSync • Lenovo Solution Center • Lenovo Message Center Plus • Norton™ Internet Security (30 days of virus definitions) • Adobe® Reader® • Skype™ • Microsoft Office preloaded; purchase a product key to activate • Cyberlink PowerDVD (DVD±RW, DVD) • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) • Evernote • Intel AppUp • Intel Small Business Advantage • Nitro Pro		
Disk	<i>Some: SATA 3.0Gb/s, 2.5" Wide, 5400 rpm</i> <i>Some: SATA 6.0Gb/s, 2.5" Wide, 7200 rpm</i> <i>Some: 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide</i> <i>Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide</i>												
External optical	<i>Some: external optical box with slim DVD-ROM, 12.7mm high, tray-in, via USB 3.0</i> <i>Some: external optical box with slim DVD burner, 12.7mm high, tray-in, via USB 3.0</i>												
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset												
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar												
eSATA port	None												
Chipset	Intel Q87 Express Chipset												
Front ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)												
Rear ports	Three USB 3.0 (optional external optical box or external I/O box occupies one specific USB 3.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / 2nd DisplayPort / HDMI on selected models)												
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 3.0 port												
PCIe Mini Card	One PCI Express® Mini Card slot (Half Size)												
PCIe WLAN	<i>Some: 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Advanced-N 6235, Wi-Fi + Bluetooth combo adapter, 2x2</i> <i>Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2</i> <i>Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino Wireless-N 105, 1x1</i> <i>Some: Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter</i>												
Bluetooth	High Definition (HD) Audio, Realtek® ALC283 codec												
Audio	Internal speaker for business audio (1.5 watt)												
Speaker	None												
IEEE 1394	None												
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®												
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)												
Modem	None												
Security chip	Trusted Platform Module (TPM1.2-compliant)												
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo												
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo												
Floor Stand	Optional system floor stand for vertical orientation												
VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm mount standard												
Power supply	65 watts AC/DC adapter, autosensing, 88% PSU												
Machine	• Tiny (1L), business black color; metal case • <i>M93/p Tiny only:</i> 7.0" W X 7.2" D X 1.4" H • <i>M93/p Tiny only:</i> 179mm W X 182mm D X 34.5mm H • <i>M93/p Tiny only:</i> 2.9 lb (1.3 kg), weight may vary by configuration • <i>With VESA mount & optical box:</i> 7.2" W X 7.2" D X 2.55" H • <i>With VESA mount & optical box:</i> 184mm W X 182mm D X 65mm H • <i>With VESA mount & optical box:</i> 5.1 lb (2.3 kg), weight may vary by configuration										EPEAT™ Gold rating ENERGY STAR® 6.0-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available												

See footnotes for important warranty information

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(G-MSS1N-2) June 2014

ThinkCentre M93p Tiny (10AA) - GMP - II

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ⁸	SATA disk GB rpm	External optical / I/O box	Graphics	PCIe Mini Card WLAN / BT	Optional port	Chassis intrusion switch	Floor stand	VESA mount	Intel vPro	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10AA004W++	i7-4785T	4GBx1	128G SSD	DVD	HD 4600	7260 b/g/n	2nd DP	Switch	None	Mount	vPro	G P	Win7 P64 DG Win 8.1	07/08/14
10AA004X++	i5-4590T	4GBx1	500G 5400	None	HD 4600	7260 b/g/n	HDMI	Switch	Stand	None	vPro	G P	Win7 P64 DG Win 8.1	07/08/14
10AA004Y++	i5-4590T	4GBx1	500G 5400	DVD	HD 4600	7260 b/g/n	Serial	Switch	None	Mount	vPro	G P	Win7 P64 DG Win 8.1	07/08/14

Country Code"+": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

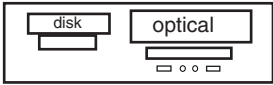
Positioning	<i>Ultimate security, stability, and manageability for the enterprise</i>										Preloaded operating system			
Processor	Intel® Core™ i5-4590T Processor (2 cores / 4 threads, 2.0GHz, 6MB cache), Turbo Boost 2.0 (3.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4785T Processor (4 cores / 8 threads, 2.2GHz, 8MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket										Some: Windows® 7 Professional 64 Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit			
Implementation	Processor in LGA1150 socket										Ready to install applications (only some listed)			
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)										<ul style="list-style-type: none"> • Rescue and Recovery™ • Password Manager 			
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, one optional HDMI or one optional 2nd DisplayPort on select models, supports up to triple independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1080 (HDMI)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)</i>										Preloaded applications (only some listed)			
DP dongle	None										<ul style="list-style-type: none"> • ThinkVantage® Product Recovery • ThinkVantage System Update • ThinkVantage Communication Utility • Desktop Power Manager • View Management Utility • Lenovo Cloud Storage by SugarSync • Lenovo Solution Center • Lenovo Message Center Plus • Norton™ Internet Security (30 days of virus definitions) • Adobe® Reader® • Skype™ • Microsoft Office preloaded; purchase a product key to activate • Cyberlink PowerDVD (DVD±RW, DVD) • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) • Evernote • Intel AppUp • Intel Small Business Advantage • Nitro Pro 			
Disk	<i>Some: SATA 3.0Gb/s, 2.5" Wide, 5400 rpm</i> <i>Some: SATA 6.0Gb/s, 2.5" Wide, 7200 rpm</i> <i>Some: 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide</i> <i>Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide</i>													
External optical	<i>Some: external optical box with slim DVD-ROM, 12.7mm high, tray-in, via USB 3.0</i> <i>Some: external optical box with slim DVD burner, 12.7mm high, tray-in, via USB 3.0</i>													
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in chipset													
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar													
eSATA port	None													
Chipset	Intel Q87 Express Chipset													
Front ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)													
Rear ports	Three USB 3.0 (optional external optical box or external I/O box occupies one specific USB 3.0 on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / 2nd DisplayPort / HDMI on selected models)													
I/O box	Optional external I/O box, extends four USB 2.0 (two on front and two on rear), one serial, and two PS/2 (for keyboard and mouse), via USB 3.0 port													
PCIe Mini Card	One PCI Express® Mini Card slot (Half Size)													
PCIe WLAN	<i>Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2</i>													
Bluetooth	<i>Some: Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter</i>													
Audio	High Definition (HD) Audio, Realtek® ALC283 codec													
Speaker	Internal speaker for business audio (1.5 watt)													
IEEE 1394	None													
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®													
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)													
Modem	None													
Security chip	Trusted Platform Module (TPM1.2-compliant)													
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo													
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo													
Floor Stand	Optional system floor stand for vertical orientation													
VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm mount standard													
Power supply	65 watts AC/DC adapter, autosensing, 88% PSU													
Machine	<ul style="list-style-type: none"> • Tiny (1L), business black color; metal case • M93/p Tiny only: 7.0" W X 7.2" D X 1.4" H • M93/p Tiny only: 179mm W X 182mm D X 34.5mm H • M93/p Tiny only: 2.9 lb (1.3 kg), weight may vary by configuration • With VESA mount & optical box: 7.2" W X 7.2" D X 2.55" H • With VESA mount & optical box: 184mm W X 182mm D X 65mm H • With VESA mount & optical box: 5.1 lb (2.3 kg), weight may vary by configuration 													
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available										EPEAT™ Gold rating ENERGY STAR® 6.0-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies			

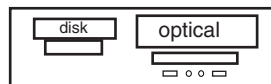
See footnotes for important warranty information

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ThinkCentre M93p SFF Pro (10A9) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Pro-processor	Memory ³	SATA disk rpm	SATA optical	Optional 2.5" Bay	PCIe WLAN	Media reader	Additional Front Graphics	USB 2.0	2nd serial port	Chassis intrusion switch	Floor stand	Intel vPro	Preload	Ann date (mm/dd/yy)
10A90011++	4x4	i5-4570	4GBx1	500G Hybrid	DVD±RW	None	Intel 105	None	HD 4600	USB	None	Switch	None	vPro	Win7 P64 DG Win8	06/18/13
10A90012++	4x4	i5-4570	4GBx1	128G SSD	DVD±RW	None	Intel 6235	None	HD 4600	None	None	Switch	None	vPro	Win7 P64 DG Win8	06/18/13
10A90013++	4x4	i5-4570	4GBx1	500G 7200	DVD±RW	None	Intel 6235	None	HD 4600	None	None	Switch	None	vPro	Win7 P64 DG Win8	06/18/13
10A90033++	4x4	i7-4770	8GBx1	256G SSD	DVD±RW	None	7260 ac	None	HD 4600	None	None	Switch	None	vPro	Win7 P64 DG Win8.1	03/25/13
10A9003P++	4x4	i5-4590	4GBx1	500G Hybrid	DVD±RW	None	None	None	HD 4600	USB	None	Switch	None	vPro	Win7 P64 DG Win8.1	07/08/14
10A9003Q++	4x4	i7-4790	8GBx1	256G SSD	DVD±RW	None	7260 ac	None	HD 4600	None	None	Switch	None	vPro	Win7 P64 DG Win8.1	07/08/14
10A9003R++	4x4	i5-4590	4GBx1	500G 7200	DVD±RW	None	7260 ac	None	HD 4600	None	None	Switch	None	vPro	Win7 P64 DG Win8.1	07/08/14
10A9003S++	4x4	i5-4590	4GBx1	128G SSD	DVD±RW	None	7260 ac	None	HD 4600	None	None	Switch	None	vPro	Win7 P64 DG Win8.1	07/08/14
10A9003V++	4x4	i5-4590	4GBx1	500G 7200	DVD±RW	2.5" bay	7260 ac	None	HD 4600	None	None	Switch	None	vPro	Win7 P64 DG Win8.1	08/05/14
Positioning Processor	Ultimate security, stability, and manageability for the enterprise Intel® Core™ i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4790 Processor (4 cores / 8 threads, 3.6GHz, 8MB cache), Turbo Boost 2.0 (4.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket												Preloaded operating system <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit			
Implementation	Processor in LGA1150 socket												Ready to install applications (only some listed)			
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets												● Rescue and Recovery™ ● Password Manager			
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays; <i>Maximum resolution:</i> 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)												Preloaded applications (only some listed) ● ThinkVantage® Product Recovery ● ThinkVantage System Update ● ThinkVantage Communication Utility ● Desktop Power Manager ● View Management Utility ● Lenovo Cloud Storage by SugarSync ● Lenovo Solution Center ● Lenovo Message Center Plus ● Norton™ Internet Security (30 days of virus definitions) ● Adobe® Reader® ● Skype™ ● Microsoft Office preloaded; purchase a product key to activate ● Cyberlink PowerDVD (DVD±RW, DVD) ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Evernote ● Intel AppUp ● Intel Small Business Advantage ● Nitro Pro			
DP dongle	None															
Disk	<i>Some:</i> SATA 6.0Gb/s 7200 rpm, 3.5" wide <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide															
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive															
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support															
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)															
eSATA port	None															
Media reader	None															
Chipset	Intel Q87 Express Chipset															
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)															
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models															
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)															
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 <i>Some:</i> 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino Advanced-N 6235, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11ac/a/b/g/n wireless, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo adapter, 2x2															
Bluetooth	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter															
Audio	High Definition (HD) Audio, Realtek® ALC662 codec															
Speaker	Internal speaker for business audio (1 watt)															
IEEE 1394	None															
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®															
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)															
Modem	None															
Security chip	Trusted Platform Module (TPM1.2-compliant)												Security ● Security chip (see information on left) ● One lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable)			
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo															
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo															
Floor Stand	None															
Power supply	240 watts, autosensing, 85% PSU															
Machine	● SFF Pro (12.9L), business black color; metal case ● (WxDxH) 13.31" X 14.76" X 4.02"; 338mm X 375mm X 102mm ● 17.20 lb (7.8 kg) in maximum configuration ● Toolless cover removal, adapter retention ● Toolless disk and optical drive removal												● Power-on password ● Administrator password ● Hard disk password ● Boot sequence control ● Boot without keyboard and mouse ● Serial port I/O control ● Individual USB port disablement ● Chassis intrusion switch on selected model(s)			
Bay	Bay 1: 5.25", 1.6" high, external, std optical Bay 2: 3.5", 1" high, internal, std disk Bay 3: 2.5", N/A, internal, opt, come with opt 2.5" 2nd disk Bay 4: 3.5", 0.5" high, external, opt reader															
Slot	Slot 1: Low Profile, PCI Express 3.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x16 (x4 elec, 40w max) Slot 4: Low Profile, 32-bit PCI 2.3												EPEAT™ Gold rating ENERGY STAR® 6.0-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant			
Limited Warranty	3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available												Supports ThinkVantage Technologies			



See footnotes for important warranty information

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ThinkCentre M93p SFF Pro (10A8)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Pro-processor	Memory ⁸	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Additional Front Graphics	USB 2.0	2nd serial port	Chassis intrusion switch	Floor stand	Intel vPro	Preload	Ann date (mm/dd/yy)
10A80003++	4x4	i5-4670	2GBx1	500G 7200	DVD	Intel 105	None	HD 4600	USB	None	Switch	Stand	vPro	Win7 Pro32	06/18/13

Country Code "++": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- 1-year limited warranty

Positioning Processor	Ultimate security, stability, and manageability for the enterprise Intel® Core™ i5-4670 Processor (4 cores / 4 threads, 3.4GHz, 6MB cache), Turbo Boost 2.0 (3.8GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology		Preloaded operating system	
Implementation	Processor in LGA1150 socket		Windows® 7 Professional 32	
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets		Ready to install applications (only some listed)	
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays; <i>Maximum resolution: 2560x1600 (DisplayPort) @60Hz; 1920x1200 (VGA) @60Hz (Reduced Blanking)</i>		<ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed)	
DP dongle	None		<ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Intel Small Business Advantage• Nitro Pro	
Disk	SATA 6.0Gb/s 7200 rpm, 3.5" wide		Security <ul style="list-style-type: none">• Security chip (see information on left)• One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Serial port I/O control• Individual USB port disablement• Chassis intrusion switch on selected model(s)	
Optical	DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive			
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support			
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)			
eSATA port	None			
Media reader	None			
Chipset	Intel Q87 Express Chipset			
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)			
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1			
Bluetooth	None			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
Speaker	Internal speaker for business audio (1 watt)			
IEEE 1394	None			
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®			
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)			
Modem	None			
Security chip	Trusted Platform Module (TPM1.2-compliant)			
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Floor Stand	System floor stand for vertical orientation			
Power supply	240 watts, autosensing, 85% PSU			
Machine	<ul style="list-style-type: none">• SFF Pro (12.9L), business black color; metal case• (WxDxH) 13.31" X 14.76" X 4.02"; 338mm X 375mm X 102mm• 17.20 lb (7.8 kg) in maximum configuration• Toolless cover removal, adapter retention• Toolless disk and optical drive removal			
Bay	Bay 1: 5.25", 1.6" high, external, std optical Bay 2: 3.5", 1" high, internal, std disk Bay 3: 2.5", N/A, internal, opt, come with opt 2.5" 2nd disk Bay 4: 3.5", 0.5" high, external, opt reader			
Slot	Slot 1: Low Profile, PCI Express 3.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x16 (x4 elec, 40w max) Slot 4: Low Profile, 32-bit PCI 2.3			
Limited Warranty		1-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		

See footnotes for important warranty information

WE model(s) announced June 18, 2013

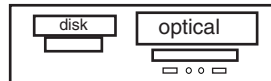
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ThinkCentre M93p SFF Pro (10A8) - GMP

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Pro-processor	Memory ⁸	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Additional Front USB 2.0	2nd serial port	Chassis intrusion switch	Floor stand	Intel vPro	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10A8001G++	4x4	i5-4570	2GBx1	500G 7200	DVD	None	None	HD 4600	None	None	Switch	None	vPro	G P	Win7 Pro64	06/18/13
10A8001H++	4x4	i5-4570	4GBx1	500G 7200	DVD	Intel 105	None	HD 4600	USB	None	Switch	Stand	vPro	G P	Win7 Pro64 (DG)	06/18/13
10A8001J++	4x4	i7-4770	4GBx1	1TB 7200	DVD	Intel 105	None	HD 8470	USB	None	Switch	Stand	vPro	G P	Win7 Pro64 (DG)	06/18/13
10A8002C++	4x4	i5-4570	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	None	Stand	vPro	G P	Win7 Pro64 (DG)	11/12/13
10A8002D++	4x4	i7-4770	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	USB	Serial	None	Stand	vPro	G P	Win7 Pro64 (DG)	11/12/13
10A8003U++	4x4	i5-4590	2GBx1	500G 7200	DVD	None	None	HD 4600	None	None	Switch	None	vPro	G P	Win7 Pro64	06/10/14
10A80049++	4x4	i7-4790	4GBx1	1TB 7200	DVD	8723BE	None	GT 620	None	None	Switch	Stand	vPro	G P	Win7 P64 DG Win 8.1	07/08/14
10A8004A++	4x4	i5-4590	4GBx1	500G 7200	DVD	8723BE	None	HD 4600	None	None	Switch	Stand	vPro	G P	Win7 P64 DG Win 8.1	07/08/14

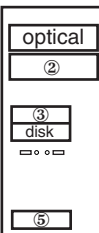
Positioning	<i>Ultimate security, stability, and manageability for the enterprise</i>											Preloaded operating system			
Processor	Intel® Core™ i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4790 Processor (4 cores / 8 threads, 3.6GHz, 8MB cache), Turbo Boost 2.0 (4.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket											<i>Some:</i> Windows® 7 Professional 64 <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit			
Implementation	Processor in LGA1150 socket											Ready to install applications (only some listed)			
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets											<ul style="list-style-type: none"> Rescue and Recovery™ Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none"> ThinkVantage® Product Recovery ThinkVantage System Update ThinkVantage Communication Utility Desktop Power Manager View Management Utility Lenovo Cloud Storage by SugarSync Lenovo Solution Center Lenovo Message Center Plus Norton™ Internet Security (30 days of virus definitions) Adobe® Reader® Skype™ Microsoft Office preloaded; purchase a product key to activate Cyberlink PowerDVD (DVD±RW, DVD) Cyberlink Power2Go (DVD±RW) Cyberlink PowerProducer (DVD±RW) Evernote Intel AppUp Intel Small Business Advantage Nitro Pro 			
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support up to five independent monitors; <i>Maximum resolution: 2560x1600 (DisplayPort) @60Hz;</i> 1920x1200 (VGA) @60Hz (Reduced Blanking) <i>Some: AMD Radeon™ HD 8470, DirectX 11, 3D Hardware Acceleration, 512MB, PCI Express® 2.0 x16 adapter, one VGA, one DisplayPort, 25 watts, Max resolution: 2560x1600 (DisplayPort) @60Hz; 2048x1536 (VGA) @85Hz</i> <i>Some: NVIDIA® GeForce® GT 620, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; Max resolution: 2560x1600 (DisplayPort) @60Hz; 2048x1536 (VGA) @85Hz</i>														
DP dongle	None														
Disk	SATA 6.0Gb/s 7200 rpm, 3.5" wide														
Optical	<i>Some:</i> DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive <i>Some:</i> Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive														
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support														
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)														
eSATA port	None														
Media reader	None														
Chipset	Intel Q87 Express Chipset														
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)														
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models														
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)														
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8723BE, Wi-Fi/BT 4.0, 1x1 <i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter														
Bluetooth	High Definition (HD) Audio, Realtek® ALC662 codec														
Audio	Internal speaker for business audio (1 watt)														
Speaker	None														
IEEE 1394	None														
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®														
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)														
Modem	None														
Security chip	Trusted Platform Module (TPM1.2-compliant)														
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo														
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo														
Floor Stand	<i>Some:</i> System floor stand for vertical orientation														
Power supply	240 watts, autosensing, 85% PSU														
Machine	<ul style="list-style-type: none"> SFF Pro (12.9L), business black color; metal case (WxDxH) 13.31" X 14.76" X 4.02"; 338mm X 375mm X 102mm 17.20 lb (7.8 kg) in maximum configuration Toolless cover removal, adapter retention Toolless disk and optical drive removal 														
Bay	Bay 1: 5.25", 1.6" high, external, std optical Bay 2: 3.5", 1" high, internal, std disk Bay 3: 2.5", N/A, internal, opt, come with opt 2.5" 2nd disk Bay 4: 3.5", 0.5" high, external, opt reader														
Slot	Slot 1: Low Profile, PCI Express 3.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x16 (x4 elec, 40w max) Slot 4: Low Profile, 32-bit PCI 2.3														
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available														



ThinkCentre M93p Mini Tower (10A7) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Additional Front USB 2.0	2nd serial port	PS/2 ports	Chassis intrusion switch	Intel vPro	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10A7000L++	4x5	i7-4770	4Gx1	1TB 7200	DVD±RW	Intel 6235	None	HD 4600	None	None	PS/2	Switch	vPro	None	Win7 P64 DG Win 8	06/18/13
10A7000M++	4x5	i5-4570	4Gx1	500G 7200	DVD±RW	Intel 6235	None	HD 4600	None	None	PS/2	Switch	vPro	None	Win7 P64 DG Win 8	06/18/13
10A7000N++	4x5	i5-4570	4Gx1	128G SSD	DVD±RW	Intel 6235	None	HD 4600	None	None	PS/2	Switch	vPro	None	Win7 P64 DG Win 8	06/18/13
10A7000P++	4x5	i5-4570	4Gx1	500G Hybrid	DVD±RW	Intel 105	None	HD 4600	USB	None	PS/2	Switch	vPro	None	Win7 P64 DG Win 8	06/18/13
10A7001T++	4x5	i7-4770	4Gx2	256G SSD	DVD±RW	Intel 6235	None	HD 4600	None	None	PS/2	Switch	vPro	None	Win7 P64 DG Win 8	12/10/13
10A7002J++	4x5	i7-4770	8Gx1	1TB Hybrid	DVD±RW	None	Media	HD 4600	None	None	PS/2	Switch	vPro	None	Win7 P64 DG Win 8.1	03/25/14
10A70036++	4x5	i5-4590	4Gx1	500G 7200	DVD±RW	7260 ac	None	HD 4600	None	None	PS/2	Switch	vPro	None	Win7 P64 DG Win 8.1	07/08/14
10A70037++	4x5	i7-4790	4Gx2	256G SSD	DVD±RW	7260 ac	None	HD 4600	None	None	PS/2	Switch	vPro	None	Win7 P64 DG Win 8.1	07/08/14
10A70038++	4x5	i5-4590	4Gx1	128G SSD	DVD±RW	7260 ac	None	HD 4600	None	None	PS/2	Switch	vPro	None	Win7 P64 DG Win 8.1	07/08/14
10A70039++	4x5	i5-4590	4Gx1	500G Hybrid	DVD±RW	None	None	HD 4600	USB	None	PS/2	Switch	vPro	None	Win7 P64 DG Win 8.1	07/08/14
10A7003A++	4x5	i7-4790	8Gx1	1TB Hybrid	DVD±RW	None	Media	HD 4600	None	None	None	Switch	vPro	None	Win7 P64 DG Win 8.1	07/08/14
10A7003B++	4x5	i7-4790	4Gx1	1TB 7200	DVD±RW	7260 ac	None	HD 4600	None	None	PS/2	Switch	vPro	None	Win7 P64 DG Win 8.1	07/08/14

Positioning Processor	Ultimate security, stability, and manageability for the enterprise Intel® Core™ i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4790 Processor (4 cores / 8 threads, 3.6GHz, 8MB cache), Turbo Boost 2.0 (4.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket			Preloaded operating system Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit		
Implementation	Processor in LGA1150 socket			Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager		
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets			Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Intel Small Business Advantage• Nitro Pro		
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)</i>					
Disk	<i>Some:</i> SATA 6.0Gb/s 7200 rpm, 3.5" wide <i>Some:</i> 500GB (5400 rpm) or 1TB (7200 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide					
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive					
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support					
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)					
eSATA port	None					
Media reader	<i>Some:</i> 29-in-1 media reader, internal USB 2.0					
Chipset	Intel Q87 Express Chipset					
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)					
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), one VGA, two DisplayPort, optional keyboard (PS/2), optional mouse (PS/2), additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models					
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)					
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 <i>Some:</i> 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino Advanced-N 6235, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11ac/a/b/g/n wireless, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo adapter, 2x2					
Bluetooth	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter					
Audio	High Definition (HD) Audio, Realtek® ALC662 codec					
Speaker	Internal speaker for business audio (1.5 watt)					
IEEE 1394	None					
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®					
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)					
Security chip	Trusted Platform Module (TPM1.2-compliant)					
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo					
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo					
Power supply	280 watts, autosensing, 85% PSU					
Machine	<ul style="list-style-type: none">• Mini Tower (25L), business black color, metal case• (WxDxH) 6.89" X 17.41" X 16.32"; 175mm X 442.3mm X 414.5mm• 24.69 lb (11.20 kg) in maximum configuration• Toolless cover removal, adapter retention• Toolless disk, optical drive removal					
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk					
Slot	Slot 1: half-length, full-height, PCIe 3.0 x16 (75w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x16 (x4 elec, 75w max) Slot 4: half-length, full-height, 32-bit PCI 2.3					
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available			EPEAT™ Gold rating ENERGY STAR® 6.0-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies		

See footnotes for important warranty information

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(G-MSS1T-3) July 2014

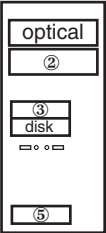
ThinkCentre M93p Mini Tower (10A6)

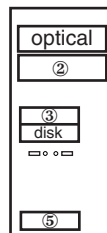
Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ⁸	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Additional Front USB 2.0	2nd serial port	Chassis intrusion switch	Intel vPro	Global	Preload	Ann date (mm/dd/yy)
10A60004++	4x5	i7-4770	4GBx1	1TB 7200	DVD	Intel 105	None	HD 8470	USB	None	Switch	vPro	None	Win7 Pro64	06/18/13

Country Code"+-": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)
 Note: models listed above might not be available in all WE countries

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- 1-year limited warranty

Positioning Processor	Ultimate security, stability, and manageability for the enterprise Intel® Core™ i7-4770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1150 socket		Preloaded operating system Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote• Intel AppUp• Intel Small Business Advantage• Nitro Pro	
Implementation				
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets			
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support up to five independent monitors; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)</i> <i>Some: AMD Radeon™ HD 8470, DirectX 11, 3D Hardware Acceleration, 512MB, PCI Express® 2.0 x16 adapter, one VGA, one DisplayPort, 25 watts, Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz</i>			
DP dongle	None			
Disk	SATA 6.0Gb/s 7200 rpm, 3.5" wide			
Optical	DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive			
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support			
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)			
eSATA port	None			
Media reader	None			
Chipset	Intel Q87 Express Chipset			
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)			
PCIe WLAN	<i>Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1</i>			
Bluetooth	None			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
Speaker	Internal speaker for business audio (1.5 watt)			
IEEE 1394	None			
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®			
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)			
Modem	None			
Security chip	Trusted Platform Module (TPM1.2-compliant)			
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Power supply	280 watts, autosensing, 85% PSU			
Machine	<ul style="list-style-type: none">• Mini Tower (25L), business black color, metal case• (WxDxH) 6.89" X 17.41" X 16.32"; 175mm X 442.3mm X 414.5mm• 24.69 lb (11.20 kg) in maximum configuration• Toolless cover removal, adapter retention• Toolless disk, optical drive removal			
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk			
Slot	Slot 1: half-length, full-height, PCIe 3.0 x16 (75w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x16 (x4 elec, 75w max) Slot 4: half-length, full-height, 32-bit PCI 2.3			
Limited Warranty	1-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		Security <ul style="list-style-type: none">• Security chip (see information on left)• One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Serial port I/O control• Individual USB port disablement• Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 6.0-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies	



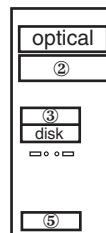
See footnotes for important warranty information
 WE model(s) announced June 18, 2013

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 (G-MSS1T-1) June 2013

ThinkCentre M93p Mini Tower (10A6) - GMP

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Additional Front USB 2.0	2nd serial port	Chassis intrusion switch	Intel vPro	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10A60017++	4x5	i5-4570	2GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	Switch	vPro	G P	Win7 Pro64	06/18/13
10A60018++	4x5	i7-4770	4GBx1	1TB 7200	DVD±RW	Intel 105	None	HD 8470	USB	None	Switch	vPro	G P	Win7 Pro64 (DG)	06/18/13
10A60019++	4x5	i5-4570	4GBx1	500G 7200	DVD±RW	Intel 105	None	HD 4600	USB	None	Switch	vPro	G P	Win7 Pro64 (DG)	06/18/13
10A6001D++	4x5	i5-4570	4GBx1	500G 7200	DVD	Intel 105	None	HD 4600	USB	None	Switch	vPro	G P	Win7 Pro64 (DG)	08/20/13
10A6001E++	4x5	i7-4770	4GBx1	1TB 7200	DVD	Intel 105	None	HD 8470	USB	None	Switch	vPro	G P	Win7 Pro64 (DG)	08/20/13
10A6001F++	4x5	i5-4570	2GBx1	500G 7200	DVD	None	None	HD 4600	None	None	Switch	vPro	G P	Win7 Pro64	08/20/13
10A6001S++	4x5	i7-4770	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	USB	Serial	None	vPro	G P	Win7 Pro64 (DG)	11/12/13
10A6001T++	4x5	i5-4570	4GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	None	vPro	G P	Win7 Pro64 (DG)	11/12/13
10A6002S++	4x5	i5-4590	2GBx1	500G 7200	DVD±RW	None	None	HD 4600	None	None	Switch	vPro	G P	Win7 Pro64	06/10/14
10A6002Y++	4x5	i5-4590	4GBx1	500G 7200	DVD±RW	8723BE	None	HD 4600	None	None	Switch	vPro	G P	Win7 P64 DG Win8.1	07/08/14
10A60030++	4x5	i7-4790	4GBx1	1TB 7200	DVD±RW	8723BE	None	GT 620	None	None	Switch	vPro	G P	Win7 P64 DG Win8.1	07/08/14
Positioning Processor	Ultimate security, stability, and manageability for the enterprise Intel® Core™ i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4790 Processor (4 cores / 8 threads, 3.6GHz, 8MB cache), Turbo Boost 2.0 (4.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket											Preloaded operating system Some: Windows® 7 Professional 64 Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) ● Rescue and Recovery™ ● Password Manager			
Implementation	Processor in LGA1150 socket											Preloaded applications (only some listed) ● ThinkVantage® Product Recovery ● ThinkVantage System Update ● ThinkVantage Communication Utility ● Desktop Power Manager ● View Management Utility ● Lenovo Cloud Storage by SugarSync ● Lenovo Solution Center ● Lenovo Message Center Plus ● Norton™ Internet Security (30 days of virus definitions) ● Adobe® Reader® ● Skype™ ● Microsoft Office preloaded; purchase a product key to activate ● Cyberlink PowerDVD (DVD±RW, DVD) ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Evernote ● Intel AppUp ● Intel Small Business Advantage ● Nitro Pro			
Memory	32GB max, UDIMM, PC3-12800 1600MHz DDR3 , four 240-pin DIMM sockets														
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support up to five independent monitors; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking) Some: AMD Radeon™ HD 8470 , DirectX 11, 3D Hardware Acceleration, 512MB, PCI Express® 2.0 x16 adapter, one VGA, one DisplayPort, 25 watts, Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz Some: NVIDIA® GeForce® GT 620 , DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz														
Disk	SATA 6.0Gb/s 7200 rpm, 3.5" wide											Security ● Security chip (see information on left) ● One lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable) ● Power-on password ● Administrator password ● Hard disk password ● Boot sequence control ● Boot without keyboard and mouse ● Serial port I/O control ● Individual USB port disablement ● Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 6.0-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies			
Optical	Some: DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive Some: Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive														
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support														
Onboard SATA	Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)														
eSATA port	None														
Media reader	None														
Chipset	Intel Q87 Express Chipset														
Front ports	Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)														
Rear ports	Four USB 3.0, two USB 2.0, serial (9-pin), optional 2nd serial (9-pin), ethernet (RJ-45), one VGA, two DisplayPort, additional VGA, DisplayPort, or HDMI ports on optional graphic card on some models														
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)														
PCIe WLAN	Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 Some: 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8723BE, Wi-Fi/BT 4.0, 1x1 Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter														
Bluetooth	High Definition (HD) Audio, Realtek® ALC662 codec														
Audio	Internal speaker for business audio (1.5 watt)														
Speaker	None														
IEEE 1394	None														
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®														
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)														
Security chip	Trusted Platform Module (TPM1.2-compliant)														
Keyboard	Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo														
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo														
Power supply	280 watts, autosensing, 85% PSU														
Machine	● Mini Tower (25L), business black color, metal case ● (WxDxH) 6.89" X 17.41" X 16.32"; 175mm X 442.3mm X 414.5mm ● 24.69 lb (11.20 kg) in maximum configuration ● Toolless cover removal, adapter retention ● Toolless disk, optical drive removal														
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 5.25", 1.6" high, access, open Bay 3: 3.5", 1" high, access, opt reader Bay 4: 3.5", 1" high, no access, std disk Bay 5: 3.5", 1" high, no access, opt disk														
Slot	Slot 1: half-length, full-height, PCIe 3.0 x16 (75w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x16 (x4 elec, 75w max) Slot 4: half-length, full-height, 32-bit PCI 2.3														
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available														





Lenovo ThinkCentre M92z with Frame Stand



Lenovo ThinkCentre M92z with Monitor Stand



Toolless Back Cover Removal



Toolless Stand Removal



Dual Independent Display with Optional Lenovo ThinkVision Monitor

ThinkCentre M92z (3280) - 20" (TopSeller) - Win 8

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial port	Chassis intrusion switch	Stand type	Key-board/ Mouse	Intel vPro	Global	Preload	Ann date (mm/dd/yy)
3280-A4G	G645	4GBx1	2.0M	500G 7200	Intel HD	11b/g/n	Media	None	S P	Switch	Frame	USB	None	None	Win7 Pro64	10/23/12

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 1-year limited warranty

Positioning	Premium All-In-One PC for the enterprise		Preloaded operating system ²⁰ Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager• Business-in-a-Box Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Automatic Lock Utility• ThinkVantage Power Manager• View Management Utility• Lenovo® Solution Center• Lenovo Message Center Plus• RapidBoot HDD Accelerator• Lenovo SimpleTap• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™ for Windows• Windows Live™ Essentials• Microsoft® Office preloaded; purchase a product key to activate• Corel® Burn.Now™ (DVD±RW)• Corel DVD MovieFactory® (DVD±RW)
Processor	Intel® Pentium® G645 Processor (2 cores / 2 threads, 2.9GHz, 3MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller, Virtualization Technology		
Implementation	Processor in LGA1155 socket		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Graphics	Intel HD Graphics in processor, uses main memory, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz</i>		
DP dongle	None		
Display	20.0" (508mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, work as standalone monitor via DisplayPort-in connector		
Light sensor	None		
Multi-touch	None		
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, LED indicator, physical switch on/off		
Controls	<i>Front:</i> Microphone mute, speaker mute, monitor mode, OSD menu, and power button <i>Side:</i> Volume up and down buttons		
Disk	SATA 6.0Gb/s, 3.5" Wide, 7200 rpm		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar		
Media reader	None		
Chipset	Intel Q77 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)		
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
ExpressCard	None		
mSATA	One mSATA slot		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Intel 82579LM, Wake on LAN®		
Audio support	High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified		
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)		
Security chip	Trusted Platform Module (TPM 1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Power supply	150 watts, autosensing, 85% PSU		
Machine	<i>Model(s) with 20" Non multi-touch, Frame stand:</i> <ul style="list-style-type: none">• Business black color• 19.8" W X 3.6" D X 16.1" H,• 503mm W X 92.5mm D X 408mm H (including stand)• 18.5 lb (8.4 kg) in maximum configuration• Toolless back cover, stand removal• Toolless disk, optical drive, memory removal• Support VESA mount (100mm)		
Limited Warranty	1-year, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		
Security <ul style="list-style-type: none">• Security chip (see information on left)• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)• Power-on password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• USB port disablement• Chassis intrusion switch on selected model(s)			
EPEAT™ Gold rating ENERGY STAR® 5.2-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies			

See footnotes for important warranty information
WE model announced October 23, 2012

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(G-MTRL1-13) February 2013

ThinkCentre M92z (3291) - 20" (TopSeller) - Win 8

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key-board/Mouse	Intel vPro	Global	Preload	Ann date (mm/dd/yy)
3291-E3G	G2020	4GBx1	2.0M	500G 7200	Intel HD	11b/g/n	Media	Sensor	S P	Switch	Frame	USB	None	None	Win7 Pro64	03/26/13
3291-E4G	G2020	4GBx1	2.0M	500G 7200	Intel HD	11b/g/n	Media	Sensor	S P	Switch	Frame	USB	None	None	Win8 Pro64	03/26/13
3291-E5G	G2030	4GBx1	2.0M	500G 7200	Intel HD	11b/g/n	Media	Sensor	None	Switch	Frame	USB	None	None	Win7 Pro64	06/11/13
3291-E6G	G2030	4GBx1	2.0M	500G 7200	Intel HD	11b/g/n	Media	Sensor	S P	Switch	Monitor	USB	None	None	Win8 Pro64	06/11/13

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 3-year limited warranty

Positioning	Premium All-In-One PC for the enterprise		Preloaded operating system²⁰ <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 8 Pro 64-bit Preloaded applications (only some listed) - Windows 7 models <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage Communication Utility● ThinkVantage Power Manager● RapidBoot HDD Accelerator● Lenovo® SimpleTap● Adobe® Reader®● Corel® Burn.Now™ (DVD±RW)● Corel DVD MovieFactory® (DVD±RW) - Windows 8 models <ul style="list-style-type: none">● Lenovo Support● Lenovo Settings● Lenovo Companion● Lenovo Cloud Storage● Lenovo QuickLaunch● Norton™ Studio● AccuWeather● Evernote®● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW) - All models <ul style="list-style-type: none">● ThinkVantage System Update● ThinkVantage Automatic Lock Utility● Lenovo Solution Center● View Management Utility● Norton Internet Security (30 days of virus definitions)● Microsoft® Office preloaded; purchase a product key to activate● Skype™
Processor	Intel® Pentium® G2020 Processor (2 cores / 2 threads, 2.9GHz, 3MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology		
Implementation	Intel Pentium G2030 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Graphics	Intel HD Graphics in processor, uses main memory, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 2560x1600 (DisplayPort)@60Hz		
DP dongle	None		
Display	20.0" (508mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, work as standalone monitor via DisplayPort-in connector		
Light sensor	Ambient Light Sensor		
Multi-touch	None		
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, LED indicator, physical switch on/off		
Controls	<i>Front:</i> Microphone mute, speaker mute, monitor mode, OSD menu, and power button <i>Side:</i> Volume up and down buttons		
Disk	SATA 6.0Gb/s, 3.5" Wide, 7200 rpm		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar		
Media reader	None		
Chipset	Intel Q77 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)		
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
ExpressCard	None		
mSATA	One mSATA slot		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Intel 82579LM, Wake on LAN®		
Audio support	High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified		
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)		
Security chip	Trusted Platform Module (TPM 1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Power supply	150 watts, autosensing, 85% PSU		
Machine	<i>Model(s) with 20" Non multi-touch, Frame stand:</i> <ul style="list-style-type: none">● Business black color● 19.8" W X 3.6" D X 16.1" H,● 503mm W X 92.5mm D X 408mm H (including stand)● 18.5 lb (8.4 kg) in maximum configuration● Toolless back cover, stand removal● Toolless disk, optical drive, memory removal● Support VESA mount (100mm)		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		

			Security - Security chip (see information on left) - Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) - Power-on password - Hard disk password - Boot sequence control - Boot without keyboard and mouse - USB port disablement - Chassis intrusion switch on selected model(s)
			EPEAT™ Gold rating ENERGY STAR® 5.2-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant
			Supports ThinkVantage Technologies

ThinkCentre M92z (3296) - 20"

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key-board/ Mouse	Intel vPro	Global	Win7 preload	Ann date (mm/dd/yy)
3296-A1G	G630	2GBx1	None	500G 7200	Intel HD	None	None	None	None	Switch	Frame	USB	None	None	Pro 64	06/05/12
3296-A2G	i3-2130	4GBx1	2.0M	500G 7200	HD 2000	None	Media	None	None	Switch	Frame	USB	None	None	Pro 64	06/05/12

●3-year limited warranty

Positioning Processor	<i>Premium All-In-One PC for the enterprise</i> Intel® Pentium® G630 Processor (2 cores / 2 threads, 2.7GHz, 3MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core™ i3-2130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket	Preloaded operating system ²⁰ Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager• Business-in-a-Box Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Automatic Lock Utility• ThinkVantage Power Manager• View Management Utility• Lenovo Solution Center• Lenovo Message Center Plus• RapidBoot HDD Accelerator• Lenovo SimpleTap• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™ for Windows• Windows Live™ Essentials• Microsoft® Office preloaded; purchase a product key to activate• Corel® Burn.Now™ (DVD±RW)• Corel DVD MovieFactory® (DVD±RW)
Implementation	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)	
Memory		
Graphics	Intel HD Graphics or Intel HD Graphics 2000 in processor, uses main memory, HDCP, DirectX® 10.1, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort) @60Hz</i>	
DP dongle	None	
Display	20.0" (508mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, work as standalone monitor via DisplayPort-in connector	
Light sensor	None	
Multi-touch	None	
Camera	<i>Some:</i> Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, LED indicator, physical switch on/off	
Controls	<i>Front:</i> Microphone mute, speaker mute, monitor mode, OSD menu, and power button <i>Side:</i> Volume up and down buttons	
Disk	SATA 6.0Gb/s, 3.5" Wide, 7200 rpm	
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable	
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar	
Media reader	<i>Some:</i> 11-in-1 Single Slot SD media reader	
Chipset	Intel Q77 Express Chipset	
Rear ports	Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)	
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
ExpressCard	None	
mSATA	One mSATA slot	
PCIe Mini Card	One PCI Express® Mini Card slot	
PCIe WLAN	None	
Bluetooth	None	
Ethernet	One gigabit ethernet port, Intel 82579LM, Wake on LAN®	
Audio support	High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified	
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)	
Security chip	Trusted Platform Module (TPM 1.2-compliant)	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo	
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Power supply	150 watts, autosensing, 85% PSU	
Machine	<i>Model(s) with 20" Non multi-touch, Frame stand:</i> <ul style="list-style-type: none">• Business black color• 19.8" W X 3.6" D X 16.1" H,• 503mm W X 92.5mm D X 408mm H (including stand)• 18.5 lb (8.4 kg) in maximum configuration• Toolless back cover, stand removal• Toolless disk, optical drive, memory removal• Support VESA mount (100mm)	
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	Security <ul style="list-style-type: none">• Security chip (see information on left)• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)• Power-on password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• USB port disablement• Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies

See footnotes for important warranty information
WE models announced June 5, 2012

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(G-MTRL1-4) February 2013

ThinkCentre M92z (3296) - 20" (Win 8)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ⁹	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCle Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key-board/Mouse	Intel vPro	Global	Preload	Ann date (mm/dd/yy)
3296-H4G	i3-3220	4GBx1	2.0M	500G 7200	HD 2500	11b/g/n	Media	None	S P	Switch	Monitor	USB	None	None	Win8 Pro64	10/23/12

●3-year limited warranty

Positioning Processor	<i>Premium All-In-One PC for the enterprise</i> Intel® Core™ i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller		Preloaded operating system²⁰ Windows® 8 Pro 64-bit Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® System Update● ThinkVantage Automatic Lock Utility● View Management Utility● Lenovo® Support● Lenovo Settings● Lenovo Companion● Lenovo Cloud Storage● Lenovo QuickLaunch● Lenovo Solution Center● Microsoft® Office preloaded; purchase a product key to activate● Norton™ Internet Security (30 days of virus definitions)● Norton Studio● Intel AppUp®● AccuWeather● PC Device Stage● Evernote®● Skype™● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)
Implementation	Processor in LGA1155 socket		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort) @60Hz</i>		
DP dongle	None		
Display	20.0" (508mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, work as standalone monitor via DisplayPort-in connector		
Light sensor	None		
Multi-touch	None		
Camera	<i>Some:</i> Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, LED indicator, physical switch on/off		
Controls	<i>Front:</i> Microphone mute, speaker mute, monitor mode, OSD menu, and power button <i>Side:</i> Volume up and down buttons		
Disk	SATA 6.0Gb/s, 3.5" Wide, 7200 rpm		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar		
Media reader	11-in-1 Single Slot SD media reader		
Chipset	Intel Q77 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)		
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
ExpressCard	None		
mSATA	One mSATA slot		
PCle Mini Card	One PCI Express® Mini Card slot		
PCle WLAN	11b/g/n wireless, PCle Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Intel 82579LM, Wake on LAN®		
Audio support	High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified		
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)		
Security chip	Trusted Platform Module (TPM 1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Power supply	150 watts, autosensing, 85% PSU		
Machine	<i>Model(s) with 20" Non multi-touch, Monitor stand:</i> <ul style="list-style-type: none">● Business black color● 19.8" W X 5.6" D X 17.6" H● 503mm W X 143mm D X 448mm H (including stand)● 23.0 lb (10.5 kg) in maximum configuration● Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°● Toolless back cover, stand removal● Toolless disk, optical drive, memory removal● Support VESA mount (100mm)		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		

Security <ul style="list-style-type: none">● Security chip (see information on left)● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)● Power-on password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● USB port disablement● Chassis intrusion switch on selected model(s)
EPEAT™ Gold rating ENERGY STAR® 5.2-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant
Supports ThinkVantage Technologies

See footnotes for important warranty information
WE model announced October 23, 2012

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ThinkCentre M92z (3298) - 20" (GMP)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key-board/ Mouse	Intel vPro	Global (G) GMP (P)	Win7 preload (mm/dd/yy)	Ann date
3298-A2G	i7-3770S	4GBx1	2.0M	500G 7200	HD 4000	11b/g/n	Media	Sensor	None	Switch	Frame	USB	vPro	G P	Pro 64	06/05/12

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning Processor	<i>Premium All-In-One PC for the enterprise</i> Intel® Core™ i7-3770S Processor (4 cores / 8 threads , 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), integrated Intel HD Graphics 4000, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket		Preloaded operating system²⁰ Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager● Business-in-a-Box Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Automatic Lock Utility● ThinkVantage Power Manager● View Management Utility● Lenovo Solution Center● Lenovo Message Center Plus● RapidBoot HDD Accelerator● Lenovo SimpleTap● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™ for Windows● Windows Live™ Essentials● Microsoft® Office preloaded; purchase a product key to activate● Corel® Burn.Now™ (DVD±RW)● Corel DVD MovieFactory® (DVD±RW)
Implementation	Processor in LGA1155 socket		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Graphics	Intel HD Graphics 4000 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort) @60Hz</i>		
DP dongle	None		
Display	20.0" (508mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, work as standalone monitor via DisplayPort-in connector		
Light sensor	Ambient Light Sensor		
Multi-touch	None		
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, LED indicator, physical switch on/off		
Controls	<i>Front:</i> Microphone mute, speaker mute, monitor mode, OSD menu, and power button <i>Side:</i> Volume up and down buttons		
Disk	SATA 6.0Gb/s, 3.5" Wide, 7200 rpm		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar		
Media reader	11-in-1 Single Slot SD media reader		
Chipset	Intel Q77 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)		
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
ExpressCard	None		
mSATA	One mSATA slot		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Intel 82579LM, Wake on LAN®		
Audio support	High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified		
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)		
Security chip	Trusted Platform Module (TPM 1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Power supply	150 watts, autosensing, 85% PSU		
Machine	<i>Model(s) with 20" Non multi-touch, Frame stand:</i> <ul style="list-style-type: none">● Business black color● 19.8" W X 3.6" D X 16.1" H,● 503mm W X 92.5mm D X 408mm H (including stand)● 18.5 lb (8.4 kg) in maximum configuration● Toolless back cover, stand removal● Toolless disk, optical drive, memory removal● Support VESA mount (100mm)		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		

Security <ul style="list-style-type: none">● Security chip (see information on left)● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)● Power-on password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● USB port disablement● Chassis intrusion switch on selected model(s)
EPEAT™ Gold rating ENERGY STAR® 5.2-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies

ThinkCentre M92z (3298) - 20" (GMP) - Win 8

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key-board/ Mouse	Intel vPro	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
3298-A4G	i5-3470S	4GBx1	2.0M	500G 7200	HD 2500	11b/g/n	Media	Sensor	None	Switch	Frame	USB	vPro	G P	Win8 Pro64	10/23/12
3298-A6G	i5-3470S	4GBx1	2.0M	500G 7200	HD 2500	11b/g/n	Media	Sensor	None	None	Frame	USB	vPro	G P	Win7 Pro64	10/23/12

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning	<i>Premium All-In-One PC for the enterprise</i>											Preloaded operating system²⁰				
Processor	Intel® Core™ i5-3470S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD 2500 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology											Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit				
Implementation	Processor in LGA1155 socket											Some: Windows 8 Pro 64-bit				
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)											Preloaded applications (only some listed)				
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz</i>											- Windows 7 models				
DP dongle	None											<ul style="list-style-type: none"> • ThinkVantage® Product Recovery • ThinkVantage Communication Utility • ThinkVantage Power Manager • RapidBoot HDD Accelerator • Lenovo® SimpleTap • Adobe® Reader® • Corel® Burn.Now™ (DVD±RW) • Corel DVD MovieFactory® (DVD±RW) 				
Display	20.0" (508mm) HD+ (1600x900) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, work as standalone monitor via DisplayPort-in connector											- Windows 8 models				
Light sensor	Ambient Light Sensor											<ul style="list-style-type: none"> • Lenovo Support • Lenovo Settings • Lenovo Companion • Lenovo Cloud Storage • Lenovo QuickLaunch • Norton™ Studio • AccuWeather • Evernote® • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) 				
Multi-touch	None											- All models				
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, LED indicator, physical switch on/off											<ul style="list-style-type: none"> • ThinkVantage System Update • ThinkVantage Automatic Lock Utility • Lenovo Solution Center • View Management Utility • Norton Internet Security (30 days of virus definitions) • Microsoft® Office preloaded; purchase a product key to activate • Skype™ 				
Controls	<i>Front:</i> Microphone mute, speaker mute, monitor mode, OSD menu, and power button <i>Side:</i> Volume up and down buttons											Security				
Disk	SATA 6.0Gb/s, 3.5" Wide, 7200 rpm											<ul style="list-style-type: none"> • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) • Power-on password • Hard disk password • Boot sequence control • Boot without keyboard and mouse • USB port disablement • Chassis intrusion switch on selected model(s) 				
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable											EPEAT™ Gold rating				
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar											ENERGY STAR® 5.2-compliant				
Media reader	11-in-1 Single Slot SD media reader											TCO Certified Edge				
Chipset	Intel Q77 Express Chipset											TUV Green Mark				
Rear ports	Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)											ULE Gold				
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)											EuP 2013				
ExpressCard	None											Cisco EnergyWise compatible				
mSATA	One mSATA slot											GREENGUARD® certified				
PCIe Mini Card	One PCI Express® Mini Card slot											RoHS-compliant				
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2											Supports ThinkVantage Technologies				
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter															
Ethernet	One gigabit ethernet port, Intel 82579LM, Wake on LAN®															
Audio support	High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified															
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)															
Security chip	Trusted Platform Module (TPM 1.2-compliant)															
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo															
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo															
Power supply	150 watts, autosensing, 85% PSU															
Machine	<i>Model(s) with 20" Non multi-touch, Frame stand:</i> <ul style="list-style-type: none"> • Business black color • 19.8" W X 3.6" D X 16.1" H, • 503mm W X 92.5mm D X 408mm H (including stand) • 18.5 lb (8.4 kg) in maximum configuration • Toolless back cover, stand removal • Toolless disk, optical drive, memory removal • Support VESA mount (100mm) 															
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available															

ThinkCentre M92z (3318) - 23" (TopSeller)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ⁸	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCle Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key-board/Mouse	Intel vPro	Global	Win7 preload	Ann date (mm/dd/yy)
3318-C7G	i3-2120	4GBx1	2.0M	500G 7200	HD 2000	11b/g/n	Media	None	None	Switch	Monitor	USB	None	None	Pro 64	07/10/12

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 3-year limited warranty

Positioning Processor	<i>Premium All-In-One PC for the enterprise</i> Intel® Core™ i3-2120 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket		Preloaded operating system²⁰ Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager● Business-in-a-Box Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Automatic Lock Utility● ThinkVantage Power Manager● View Management Utility● Lenovo Solution Center● Lenovo Message Center Plus● RapidBoot HDD Accelerator● Lenovo SimpleTap● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™ for Windows● Windows Live™ Essentials● Microsoft® Office preloaded; purchase a product key to activate● Corel® Burn.Now™ (DVD±RW)● Corel DVD MovieFactory® (DVD±RW)
Implementation	Processor in LGA1155 socket		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Graphics	Intel HD Graphics 2000 in processor, uses main memory, HDCP, DirectX® 10.1, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz</i>		
DP dongle	None		
Display	23.0" (580.4mm) Full HD 1080p (1920x1080) TFT color , IPS wide viewing angle, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, work as standalone monitor via DisplayPort-in connector		
Light sensor	None		
Multi-touch	None		
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, LED indicator, physical switch on/off		
Controls	<i>Front:</i> Microphone mute, speaker mute, monitor mode, OSD menu, and power button <i>Side:</i> Volume up and down buttons		
Disk	SATA 6.0Gb/s, 3.5" Wide, 7200 rpm		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar		
Media reader	11-in-1 Single Slot SD media reader		
Chipset	Intel Q77 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)		
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
ExpressCard	None		
mSATA	One mSATA slot		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Intel 82579LM, Wake on LAN®		
Audio support	High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified		
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)		
Security chip	Trusted Platform Module (TPM 1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Power supply	150 watts, autosensing, 85% PSU		
Machine	<i>Model(s) with 23" Non multi-touch, Monitor stand:</i> <ul style="list-style-type: none">● Business black color● 22.4" W X 9.7" D X 17.8" H● 568mm W X 247mm D X 452mm H (including stand)● 25.7 lb (11.7 kg) in maximum configuration● Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°● Toolless back cover, stand removal● Toolless disk, optical drive, memory removal● Support VESA mount (100mm)		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		

Security <ul style="list-style-type: none">● Security chip (see information on left)● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)● Power-on password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● USB port disablement● Chassis intrusion switch on selected model(s)
EPEAT™ Gold rating ENERGY STAR® 5.2-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant
Supports ThinkVantage Technologies

ThinkCentre M92z (3318) - 23" (TopSeller) - Win 8

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCle Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key-board/Mouse	Intel vPro	Global	Preload	Ann date (mm/dd/yy)
3318-D3G	i3-3220	4GBx1	2.0M	500G 7200	HD 2500	11b/g/n	Media	None	None	Switch	Monitor	USB	None	None	Win8 Pro64	10/23/12
3318-F8G	i3-3220	4GBx1	2.0M	500G 7200	HD 2500	11b/g/n	Media	None	None	Switch	Monitor	USB	None	None	Win7 Pro64	10/23/12
3318-J2G	i5-3330S	4GBx1	2.0M	1TB 7200	HD 2500	11b/g/n	Media	None	S P	Switch	Monitor	USB	None	None	Win8 Pro64	12/04/12
3318-K2G	i5-3330S	4GBx1	2.0M	1TB 7200	HD 2500	11b/g/n	Media	None	S P	Switch	Monitor	USB	None	None	Win7 Pro64	03/26/13
3318-K8G	i3-3240	4GBx1	2.0M	500G 7200	HD 2500	11b/g/n	Media	None	None	Switch	Monitor	USB	None	None	Win7 Pro64	05/28/13

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 3-year limited warranty

Positioning	Premium All-In-One PC for the enterprise											Preloaded operating system²⁰				
Processor	Intel® Core™ i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller Intel Core i3-3240 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller Intel Core i5-3330S Processor (4 cores / 4 threads, 2.7GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), integrated Intel HD 2500 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket											Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Some: Windows 8 Pro 64-bit				
Implementation												Preloaded applications (only some listed)				
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)											- Windows 7 models				
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz</i>											<ul style="list-style-type: none"> • ThinkVantage® Product Recovery • ThinkVantage Communication Utility • ThinkVantage Power Manager • Lenovo® SimpleTap • Adobe® Reader® • Corel® Burn.Now™ (DVD±RW) • Corel DVD MovieFactory® (DVD±RW) 				
DP dongle	None											- Windows 8 models				
Display	23.0" (580.4mm) Full HD 1080p (1920x1080) TFT color , IPS wide viewing angle, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, work as standalone monitor via DisplayPort-in connector											<ul style="list-style-type: none"> • Lenovo Support • Lenovo Settings • Lenovo Companion • Lenovo Cloud Storage • Norton™ Studio • AccuWeather • Evernote® • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) 				
Light sensor	None											- All models				
Multi-touch	None											<ul style="list-style-type: none"> • ThinkVantage System Update • ThinkVantage Automatic Lock Utility • Lenovo Solution Center • View Management Utility • Norton Internet Security (30 days of virus definitions) • Microsoft® Office preloaded; purchase a product key to activate • Skype™ 				
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, LED indicator, physical switch on/off											Security				
Controls	<i>Front:</i> Microphone mute, speaker mute, monitor mode, OSD menu, and power button <i>Side:</i> Volume up and down buttons											<ul style="list-style-type: none"> • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) • Power-on password • Hard disk password • Boot sequence control • Boot without keyboard and mouse • USB port disablement • Chassis intrusion switch on selected model(s) 				
Disk	SATA 6.0Gb/s, 3.5" Wide, 7200 rpm											EPEAT™ Gold rating				
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable											ENERGY STAR® 5.2-compliant				
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar											TCO Certified Edge				
Media reader	11-in-1 Single Slot SD media reader											TUV Green Mark				
Chipset	Intel Q77 Express Chipset											ULE Gold				
Rear ports	Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)											EuP 2013				
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)											Cisco EnergyWise compatible				
ExpressCard	None											GREENGUARD® certified				
mSATA	One mSATA slot											RoHS-compliant				
PCle Mini Card	One PCI Express® Mini Card slot											Supports ThinkVantage Technologies				
PCle WLAN	11b/g/n wireless, PCle Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2															
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter															
Ethernet	One gigabit ethernet port, Intel 82579LM, Wake on LAN®															
Audio support	High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified															
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)															
Security chip	Trusted Platform Module (TPM 1.2-compliant)															
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo															
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo															
Power supply	150 watts, autosensing, 85% PSU															
Machine	<i>Model(s) with 23" Non multi-touch, Monitor stand:</i> <ul style="list-style-type: none"> • Business black color • 22.4" W X 9.7" D X 17.8" H • 568mm W X 247mm D X 452mm H (including stand) • 25.7 lb (11.7 kg) in maximum configuration • Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45° • Toolless back cover, stand removal • Toolless disk, optical drive, memory removal • Support VESA mount (100mm) 															
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available															

See footnotes for important warranty information

WE models announced October 23, 2012, December 4, 2012, March 26, 2013, May, 28, 2013

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(G-MTRL1-10) June 2013

ThinkCentre M92z (3322) - 23"

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key-board/ Mouse	Intel vPro	Global	Win7 preload	Ann date (mm/dd/yy)
3322-A1G	G630	2GBx1	None	500G 7200	Intel HD	None	None	None	None	Switch	Frame	USB	None	None	Pro 64	06/05/12

● 1-year limited warranty

Positioning Processor	<i>Premium All-In-One PC for the enterprise</i> Intel® Pentium® G630 Processor (2 cores / 2 threads, 2.7GHz, 3MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket		Preloaded operating system²⁰ Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager● Business-in-a-Box Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Automatic Lock Utility● ThinkVantage Power Manager● View Management Utility● Lenovo Solution Center● Lenovo Message Center Plus● RapidBoot HDD Accelerator● Lenovo SimpleTap● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™ for Windows● Windows Live™ Essentials● Microsoft® Office preloaded; purchase a product key to activate
Implementation			
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Graphics	Intel HD Graphics in processor, uses main memory, HDCP, DirectX® 10.1, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort) @60Hz</i>		
DP dongle	None		
Display	23.0" (580.4mm) Full HD 1080p (1920x1080) TFT color , IPS wide viewing angle, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, work as standalone monitor via DisplayPort-in connector		
Light sensor	None		
Multi-touch	None		
Camera	None		
Controls	<i>Front:</i> Microphone mute, speaker mute, monitor mode, OSD menu, and power button <i>Side:</i> Volume up and down buttons		
Disk	SATA 6.0Gb/s, 3.5" Wide, 7200 rpm		
Optical	DVD-ROM DL SATA 1.5Gb/s 16-48X Max Drive, 12.7mm high, fixed, not removable		
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar		
Media reader	None		
Chipset	Intel Q77 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)		
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
ExpressCard	None		
mSATA	One mSATA slot		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	None		
Bluetooth	None		
Ethernet	One gigabit ethernet port, Intel 82579LM, Wake on LAN®		
Audio support	High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified		
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)		
Security chip	Trusted Platform Module (TPM 1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Power supply	150 watts, autosensing, 85% PSU		
Machine	<i>Model(s) with 23" Non multi-touch, Frame stand:</i> <ul style="list-style-type: none">● Business black color● 22.4" W X 3.7" D X 17.6" H,● 568mm W X 93mm D X 447mm H (including stand)● 21.5 lb (9.8 kg) in maximum configuration● Toolless back cover, stand removal● Toolless disk, optical drive, memory removal● Support VESA mount (100mm)		
Limited Warranty	1-year, customer carry-in service / service upgrades available		
Security <ul style="list-style-type: none">● Security chip (see information on left)● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)● Power-on password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● USB port disablement● Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 5.2-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant			
Supports ThinkVantage Technologies			

See footnotes for important warranty information
WE model announced June 5, 2012

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(G-MTRL1-5) February 2013

ThinkCentre M92z (3325) - 23"

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ⁸	Camera (mega- pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key- board/ Mouse vPro	Win7 Global preload	Ann date (mm/dd/yy)
3325-A9G	i7-3770S	4GBx1	2.0M	1TB 7200	HD 4000	11b/g/n	Media	None	S P	Switch	Monitor	2.4G vPro	None	Pro 64 06/05/12

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- 3-year limited warranty

Positioning Processor	<i>Premium All-In-One PC for the enterprise</i> Intel® Core™ i7-3770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), integrated Intel HD 4000 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket	Preloaded operating system²⁰ Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager● Business-in-a-Box Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Automatic Lock Utility● ThinkVantage Power Manager● View Management Utility● Lenovo Solution Center● Lenovo Message Center Plus● RapidBoot HDD Accelerator● Lenovo SimpleTap● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™ for Windows● Windows Live™ Essentials● Microsoft® Office preloaded; purchase a product key to activate● Corel® Burn.Now™ (DVD±RW)● Corel DVD MovieFactory® (DVD±RW)
Implementation		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)	
Graphics	Intel HD Graphics 4000 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz</i>	
DP dongle	None	
Display	23.0" (580.4mm) Full HD 1080p (1920x1080) TFT color , IPS wide viewing angle, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, work as standalone monitor via DisplayPort-in connector	
Light sensor	None	
Multi-touch	None	
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, LED indicator, physical switch on/off	
Controls	<i>Front:</i> Microphone mute, speaker mute, monitor mode, OSD menu, and power button <i>Side:</i> Volume up and down buttons	
Disk	SATA 6.0Gb/s, 3.5" Wide, 7200 rpm	
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable	
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar	
Media reader	11-in-1 Single Slot SD media reader	
Chipset	Intel Q77 Express Chipset	
Rear ports	Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)	
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
ExpressCard	None	
mSATA	One mSATA slot	
PCIe Mini Card	One PCI Express® Mini Card slot	
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2	
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter	
Ethernet	One gigabit ethernet port, Intel 82579LM, Wake on LAN®	
Audio support	High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified	
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)	
Security chip	Trusted Platform Module (TPM 1.2-compliant)	
Keyboard	Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black	
Mouse	Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black	
Power supply	150 watts, autosensing, 85% PSU	
Machine	<i>Model(s) with 23" Non multi-touch, Monitor stand:</i> <ul style="list-style-type: none">● Business black color● 22.4" W X 9.7" D X 17.8" H● 568mm W X 247mm D X 452mm H (including stand)● 25.7 lb (11.7 kg) in maximum configuration● Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°● Toolless back cover, stand removal● Toolless disk, optical drive, memory removal● Support VESA mount (100mm)	Security <ul style="list-style-type: none">● Security chip (see information on left)● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)● Power-on password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● USB port disablement● Chassis intrusion switch on selected model(s)
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	

ThinkCentre M92z (3325) - 23" (Win 8)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	Display-Port dongle	PCIe Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intru switch	Stand type	Key-board/ Mouse vPro	Intel Global	Win8 preload	Ann date (mm/dd/yy)
3325-H6G	i5-3470S	4GBx1	2.0M	500G 7200HD	2500 None		11b/g/n	Media	None	S P	Switch	Monitor	USB vPro	None	Win8 Pro64	10/23/12
3325-H9G	i3-3220	4GBx1	2.0M	1TB 7200	HD 2500	DP-to-DVI-D	11b/g/n	Media	None	S P	Switch	Monitor	2.4G	None	Win7 Pro64	10/23/12
3325-K5G	i5-3330S	4GBx1	2.0M	180G SSD	HD 2500	None	11b/g/n	Media	None	S P	Switch	Monitor	USB	None	Win7 Pro64	12/04/12

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- 3-year limited warranty

Positioning Processor	<i>Premium All-In-One PC for the enterprise</i> Intel® Core™ i3-3220 Processor (2 cores / 4 threads , 3.3GHz, 3MB cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller Intel Core i5-3330S Processor (4 cores / 4 threads , 2.7GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), integrated Intel HD 2500 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i5-3470S Processor (4 cores / 4 threads , 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD 2500 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket	Preloaded operating system²⁰ <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 8 Pro 64-bit Preloaded applications (only some listed) - Windows 7 models <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage Communication Utility● ThinkVantage Power Manager● Lenovo® SimpleTap● Adobe® Reader®● Corel® Burn.Now™ (DVD±RW)● Corel DVD MovieFactory® (DVD±RW) - Windows 8 models <ul style="list-style-type: none">● Lenovo Support● Lenovo Settings● Lenovo Companion● Lenovo Cloud Storage● Norton™ Studio● AccuWeather● Evernote®● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW) - All models <ul style="list-style-type: none">● ThinkVantage System Update● ThinkVantage Automatic Lock Utility● Lenovo Solution Center● View Management Utility● Norton Internet Security (30 days of virus definitions)● Microsoft® Office preloaded; purchase a product key to activate● Skype™
Implementation	Processor in LGA1155 socket	
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)	
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 2560x1600 (DisplayPort)@60Hz <i>Some:</i> DisplayPort to Single-link DVI-D Cable	
DP dongle	DisplayPort to Single-link DVI-D Cable	
Display	23.0" (580.4mm) Full HD 1080p (1920x1080) TFT color , IPS wide viewing angle, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, work as standalone monitor via DisplayPort-in connector	
Light sensor	None	
Multi-touch	None	
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, LED indicator, physical switch on/off	
Controls	<i>Front:</i> Microphone mute, speaker mute, monitor mode, OSD menu, and power button <i>Side:</i> Volume up and down buttons	
Disk	<i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide <i>Some:</i> Hard Disk Drive / SATA 6.0Gb/s, 3.5" Wide, 7200 rpm	
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable	
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar	
Media reader	11-in-1 Single Slot SD media reader	
Chipset	Intel Q77 Express Chipset	
Rear ports	Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)	
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
ExpressCard	None	
mSATA	One mSATA slot	
PCIe Mini Card	One PCI Express® Mini Card slot	
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2	
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter	
Ethernet	One gigabit ethernet port, Intel 82579LM, Wake on LAN®	
Audio support	High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified	
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)	
Security chip	Trusted Platform Module (TPM 1.2-compliant)	Security <ul style="list-style-type: none">● Security chip (see information on left)● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)● Power-on password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● USB port disablement● Chassis intrusion switch on selected model(s)
Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo <i>Some:</i> Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black	EPEAT™ Gold rating ENERGY STAR® 6.0-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant
Mouse	<i>Some:</i> Enhanced Optical USB Mouse, black, Lenovo logo <i>Some:</i> Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black	
Power supply	150 watts, autosensing, 85% PSU	
Machine	<i>Model(s) with 23" Non multi-touch, Monitor stand:</i> <ul style="list-style-type: none">● Business black color● 22.4" W X 9.7" D X 17.8" H● 568mm W X 247mm D X 452mm H (including stand)● 25.7 lb (11.7 kg) in maximum configuration● Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°● Toolless back cover, stand removal● Toolless disk, optical drive, memory removal● Support VESA mount (100mm)	
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	Supports ThinkVantage Technologies

ThinkCentre M92z (3327) - 23" (GMP)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ⁸	Camera (mega- pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key- board/ Mouse vPro	Intel Global (G) GMP (P)	Win7 preload	Ann date (mm/dd/yy)
3327-A4G	i7-3770S	4GBx1	2.0M	500G 7200	HD 4000	11b/g/n	Media	Sensor	None	Switch	Frame	USB vPro	G P	Pro 64	06/05/12

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning	<i>Premium All-In-One PC for the enterprise</i>											Preloaded operating system²⁰			
Processor	Intel® Core™ i7-3770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), integrated Intel HD 4000 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket											Genuine Windows® 7 Professional 64			
Implementation												Ready to install applications (only some listed)			
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)											<ul style="list-style-type: none"> • Rescue and Recovery™ • Password Manager • Business-in-a-Box 			
Graphics	Intel HD Graphics 4000 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort) @60Hz</i>											Preloaded applications (only some listed)			
DP dongle	None											<ul style="list-style-type: none"> • ThinkVantage® Product Recovery • ThinkVantage System Update • ThinkVantage Communication Utility • ThinkVantage Automatic Lock Utility • ThinkVantage Power Manager • View Management Utility • Lenovo Solution Center • Lenovo Message Center Plus • RapidBoot HDD Accelerator • Lenovo SimpleTap • Norton™ Internet Security (30 days of virus definitions) • Adobe® Reader® • Skype™ for Windows • Windows Live™ Essentials • Microsoft® Office preloaded; purchase a product key to activate • Corel® Burn.Now™ (DVD±RW) • Corel DVD MovieFactory® (DVD±RW) 			
Display	23.0" (580.4mm) Full HD 1080p (1920x1080) TFT color , IPS wide viewing angle, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, work as standalone monitor via DisplayPort-in connector														
Light sensor	None														
Multi-touch	Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, LED indicator, physical switch on/off														
Camera	None														
Controls	<i>Front:</i> Microphone mute, speaker mute, monitor mode, OSD menu, and power button <i>Side:</i> Volume up and down buttons														
Disk	SATA 6.0Gb/s, 3.5" Wide, 7200 rpm														
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable														
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar														
Media reader	11-in-1 Single Slot SD media reader														
Chipset	Intel Q77 Express Chipset														
Rear ports	Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)														
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)														
ExpressCard	None														
mSATA	One mSATA slot														
PCIe Mini Card	One PCI Express® Mini Card slot														
PCIe WLAN ⁴	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2														
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter														
Ethernet	One gigabit ethernet port, Intel 82579LM, Wake on LAN®														
Audio support	High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified														
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)														
Security chip	Trusted Platform Module (TPM 1.2-compliant)														
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo														
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo														
Power supply	150 watts, autosensing, 85% PSU														
Machine	<i>Model(s) with 23" Non multi-touch, Frame stand:</i> <ul style="list-style-type: none"> • Business black color • 22.4" W X 3.7" D X 17.6" H, • 568mm W X 93mm D X 447mm H (including stand) • 21.5 lb (9.8 kg) in maximum configuration • Toolless back cover, stand removal • Toolless disk, optical drive, memory removal • Support VESA mount (100mm) 											Security <ul style="list-style-type: none"> • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) • Power-on password • Hard disk password • Boot sequence control • Boot without keyboard and mouse • USB port disablement • Chassis intrusion switch on selected model(s) 			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available											EPEAT™ Gold rating ENERGY STAR® 5.2-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies			

ThinkCentre M92z (3327) - 23" (GMP) - Win 8

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key-board/ Mouse	Intel Global (G) vPro	GMP (P)	Preload	Ann date (mm/dd/yy)
3327-A8G	i5-3470S	4GBx1	2.0M	500G 7200	HD 2500	11b/g/n	Media	Sensor	None	Switch	Frame	USB	vPro	G P	Win8 Pro64	10/23/12
3327-B2G	i5-3470S	4GBx1	2.0M	500G 7200	HD 2500	11b/g/n	Media	Sensor	None	None	Frame	USB	vPro	G P	Win7 Pro64	10/23/12

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning	<i>Premium All-In-One PC for the enterprise</i>											Preloaded operating system²⁰				
Processor	Intel® Core™ i5-3470S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD 2500 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology											Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit				
Implementation	Processor in LGA1155 socket											Some: Windows 8 Pro 64-bit				
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)											Preloaded applications (only some listed)				
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort) @60Hz</i>											- Windows 7 models				
DP dongle	None											<ul style="list-style-type: none"> • ThinkVantage® Product Recovery • ThinkVantage Communication Utility • ThinkVantage Power Manager • Lenovo® Message Center Plus • RapidBoot HDD Accelerator • Lenovo SimpleTap • Adobe® Reader® • Corel® Burn.Now™ (DVD±RW) • Corel DVD MovieFactory® (DVD±RW) 				
Display	23.0" (580.4mm) Full HD 1080p (1920x1080) TFT color , IPS wide viewing angle, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, work as standalone monitor via DisplayPort-in connector											- Windows 8 models				
Light sensor	Ambient Light Sensor											<ul style="list-style-type: none"> • Lenovo Support • Lenovo Settings • Lenovo Companion • Lenovo Cloud Storage • Norton™ Studio • AccuWeather • Evernote® • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) 				
Multi-touch	None											- All models				
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, LED indicator, physical switch on/off											<ul style="list-style-type: none"> • ThinkVantage System Update • ThinkVantage Automatic Lock Utility • Lenovo Solution Center • View Management Utility • Norton Internet Security (30 days of virus definitions) • Microsoft® Office preloaded; purchase a product key to activate • Skype™ 				
Controls	<i>Front:</i> Microphone mute, speaker mute, monitor mode, OSD menu, and power button <i>Side:</i> Volume up and down buttons											Security				
Disk	SATA 6.0Gb/s, 3.5" Wide, 7200 rpm											<ul style="list-style-type: none"> • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) • Power-on password • Hard disk password • Boot sequence control • Boot without keyboard and mouse • USB port disablement • Chassis intrusion switch on selected model(s) 				
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable											EPEAT™ Gold rating				
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar											ENERGY STAR® 5.2-compliant				
Media reader	11-in-1 Single Slot SD media reader											TCO Certified Edge				
Chipset	Intel Q77 Express Chipset											TUV Green Mark				
Rear ports	Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)											ULE Gold				
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)											EuP 2013				
ExpressCard	None											Cisco EnergyWise compatible				
mSATA	One mSATA slot											GREENGUARD® certified				
PCIe Mini Card	One PCI Express® Mini Card slot											RoHS-compliant				
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2											Supports ThinkVantage Technologies				
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter															
Ethernet	One gigabit ethernet port, Intel 82579LM, Wake on LAN®															
Audio support	High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified															
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)															
Security chip	Trusted Platform Module (TPM 1.2-compliant)															
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo															
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo															
Power supply	150 watts, autosensing, 85% PSU															
Machine	<i>Model(s) with 23" Non multi-touch, Frame stand:</i> <ul style="list-style-type: none"> • Business black color • 22.4" W X 3.7" D X 17.6" H, • 568mm W X 93mm D X 447mm H (including stand) • 21.5 lb (9.8 kg) in maximum configuration • Toolless back cover, stand removal • Toolless disk, optical drive, memory removal • Support VESA mount (100mm) 															
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available															

ThinkCentre M92z (3311) - 23" (Multi-touch) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCle Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key-board/Mouse	Intel vPro	Global	Win7 preload	Ann date (mm/dd/yy)
3311-B8G	i5-3470S	4GBx1	2.0M	500G 7200	HD 2500	11b/g/n	Media	None	None	Switch	Frame	USB	vPro	None	Pro 64	07/10/12

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 3-year limited warranty

Positioning Processor	<i>Premium All-In-One PC for the enterprise</i> Intel® Core™ i5-3470S Processor (4 cores / 4 threads , 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD 2500 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket	Preloaded operating system²⁰ Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager● Business-in-a-Box Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Automatic Lock Utility● ThinkVantage Power Manager● View Management Utility● Microsoft Touch Pack● Lenovo Solution Center● Lenovo Message Center Plus● RapidBoot HDD Accelerator● Lenovo SimpleTap● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™ for Windows● Windows Live™ Essentials● Microsoft® Office preloaded; purchase a product key to activate● Corel® Burn.Now™ (DVD±RW)● Corel DVD MovieFactory® (DVD±RW)
Implementation		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)	
Graphics	Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz</i>	
DP dongle	None	
Display	23.0" (580.4mm) Full HD 1080p (1920x1080) TFT color , IPS wide viewing angle, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, work as standalone monitor via DisplayPort-in connector	
Light sensor	None	
Multi-touch	Multi-touch, 2-point support	
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, LED indicator, physical switch on/off	
Controls	<i>Front:</i> Microphone mute, speaker mute, monitor mode, OSD menu, and power button <i>Side:</i> Volume up and down buttons	
Disk	SATA 6.0Gb/s, 3.5" Wide, 7200 rpm	
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable	
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar	
Media reader	11-in-1 Single Slot SD media reader	
Chipset	Intel Q77 Express Chipset	
Rear ports	Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)	
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
ExpressCard	None	
mSATA	One mSATA slot	
PCIe Mini Card	One PCI Express® Mini Card slot	
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2	
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter	
Ethernet	One gigabit ethernet port, Intel 82579LM, Wake on LAN®	
Audio support	High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified	
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)	
Security chip	Trusted Platform Module (TPM 1.2-compliant)	
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo	
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Power supply	150 watts, autosensing, 85% PSU	
Machine	<i>Model(s) with 23" multi-touch, Frame stand:</i> <ul style="list-style-type: none">● Business black color● 22.4" W X 3.9" D X 17.6" H,● 568mm W X 100mm D X 447mm H (including stand)● 23.9 lb (10.9 kg) in maximum configuration● Toolless back cover, stand removal● Toolless disk, optical drive, memory removal● Support VESA mount (100mm)	
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	
		Security <ul style="list-style-type: none">● Security chip (see information on left)● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)● Power-on password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● USB port disablement● Chassis intrusion switch on selected model(s)
		EPEAT™ Gold rating ENERGY STAR® 5.2-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant
		Supports ThinkVantage Technologies

ThinkCentre M92z (3314) - 23" (Multi-touch)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ⁸	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	Display-Port dongle	PCIe Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key-board/ Intel Mouse vPro	Win7 Globalpreload(mm/dd/yy)	Ann date
3314-B1G	i5-3550S	4GBx1	2.0M	500G 7200	HD 2500	DP-to-DVI-D	11b/g/n	Media	None	None	Switch	Frame	2.4G vPro	None	Pro 64 06/05/12
3314-B3G	i7-3770S	4GBx1	2.0M	1TB 7200	HD 4000	None	11b/g/n	Media	None	None	Switch	Frame	USB vPro	None	Pro 64 06/05/12
3314-E8G	i3-3220	4GBx1	2.0M	500G 7200	HD 2500	None	11b/g/n	Media	None	S P	Switch	Monitor	USB	None	Pro 64 09/04/12

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- 3-year limited warranty

Positioning Processor	Premium All-In-One PC for the enterprise Intel® Core™ i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller Intel Core i5-3550S Processor (4 cores / 4 threads, 3.0GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i7-3770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), integrated Intel HD Graphics 4000, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket	Preloaded operating system²⁰ Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager● Business-in-a-Box Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Automatic Lock Utility● ThinkVantage Power Manager● View Management Utility● Microsoft Touch Pack● Lenovo Solution Center● Lenovo Message Center Plus● RapidBoot HDD Accelerator● Lenovo SimpleTap● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™ for Windows● Windows Live™ Essentials● Microsoft® Office preloaded; purchase a product key to activate● Corel® Burn.Now™ (DVD±RW)● Corel DVD MovieFactory® (DVD±RW)
Implementation	Processor in LGA1155 socket	
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)	
Graphics	Intel HD Graphics 2500 / 4000 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz</i> <i>Some:</i> DisplayPort to Single-link DVI-D Cable 23.0" (580.4mm) Full HD 1080p (1920x1080) TFT color , IPS wide viewing angle, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, work as standalone monitor via DisplayPort-in connector	
DP dongle		
Display		
Light sensor	None	
Multi-touch	Multi-touch, 2-point support	
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, LED indicator, physical switch on/off	
Controls	<i>Front:</i> Microphone mute, speaker mute, monitor mode, OSD menu, and power button <i>Side:</i> Volume up and down buttons	
Disk	SATA 6.0Gb/s, 3.5" Wide, 7200 rpm	
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable	
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar	
Media reader	11-in-1 Single Slot SD media reader	
Chipset	Intel Q77 Express Chipset	
Rear ports	Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)	
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)	
ExpressCard	None	
mSATA	One mSATA slot	
PCIe Mini Card	One PCI Express® Mini Card slot	
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2	
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter	
Ethernet	One gigabit ethernet port, Intel 82579LM, Wake on LAN®	
Audio support	High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified	Security <ul style="list-style-type: none">● Security chip (see information on left)● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)● Power-on password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● USB port disablement● <i>Chassis intrusion switch on selected model(s)</i>
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)	
Security chip	Trusted Platform Module (TPM 1.2-compliant)	
Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo <i>Some:</i> Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black	
Mouse	<i>Some:</i> Enhanced Optical USB Mouse, black, Lenovo logo <i>Some:</i> Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black	
Power supply	150 watts, autosensing, 85% PSU	
Machine	<i>All:</i> <ul style="list-style-type: none">● Business black color● Toolless back cover, stand removal● Toolless disk, optical drive, memory removal● Support VESA mount (100mm) <i>Model(s) with 23" multi-touch, Frame stand:</i> <ul style="list-style-type: none">● 22.4" W X 3.9" D X 17.6" H,● 568mm W X 100mm D X 447mm H (including stand)● 23.9 lb (10.9 kg) in maximum configuration <i>Model(s) with 23" multi-touch, Monitor stand:</i> <ul style="list-style-type: none">● 22.4" W X 10.0" D X 17.8" H● 568mm W X 254mm D X 452mm H (including stand)● 28.2 lb (12.8 kg) in maximum configuration● Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°	EPEAT™ Gold rating ENERGY STAR® 5.2-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	

ThinkCentre M92z (3329) - 23" Multi-touch (GMP)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ⁸	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCle Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key-board/ Mouse	Intel Global vPro	(G) GMP (P)	Win7 preload (mm/dd/yy)	Ann date
3329-A4G	i7-3770S	4GBx1	2.0M	500G 7200	HD 4000	11b/g/n	Media	Sensor	None	Switch	Frame	USB	vPro	G P	Pro 64	06/05/12

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning Processor	<i>Premium All-In-One PC for the enterprise</i> Intel® Core™ i7-3770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), integrated Intel HD 4000 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket		Preloaded operating system²⁰ Genuine Windows® 7 Professional 64 Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager● Business-in-a-Box Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Automatic Lock Utility● ThinkVantage Power Manager● View Management Utility● Microsoft Touch Pack● Lenovo Solution Center● Lenovo Message Center Plus● RapidBoot HDD Accelerator● Lenovo SimpleTap● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™ for Windows● Windows Live™ Essentials● Microsoft® Office preloaded; purchase a product key to activate● Corel® Burn.Now™ (DVD±RW)● Corel DVD MovieFactory® (DVD±RW)
Implementation			
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Graphics	Intel HD Graphics 4000 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort) @60Hz</i>		
DP dongle Display	None 23.0" (580.4mm) Full HD 1080p (1920x1080) TFT color , IPS wide viewing angle, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, work as standalone monitor via DisplayPort-in connector		
Light sensor	Ambient Light Sensor		
Multi-touch	Multi-touch, 2-point support		
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, LED indicator, physical switch on/off		
Controls	<i>Front:</i> Microphone mute, speaker mute, monitor mode, OSD menu, and power button <i>Side:</i> Volume up and down buttons		
Disk	SATA 6.0Gb/s, 3.5" Wide, 7200 rpm		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar		
Media reader	11-in-1 Single Slot SD media reader		
Chipset	Intel Q77 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)		
Side ports	Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
ExpressCard	None		
mSATA	One mSATA slot		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN ⁴	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Intel 82579LM, Wake on LAN®		
Audio support	High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified		
Intel AMT	Intel Active Management Technology 8.0 (Intel AMT 8.0)		
Security chip	Trusted Platform Module (TPM 1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Power supply	150 watts, autosensing, 85% PSU		
Machine	<i>Model(s) with 23" multi-touch, Frame stand:</i> <ul style="list-style-type: none">● Business black color● 22.4" W X 3.9" D X 17.6" H,● 568mm W X 100mm D X 447mm H (including stand)● 23.9 lb (10.9 kg) in maximum configuration● Toolless back cover, stand removal● Toolless disk, optical drive, memory removal● Support VESA mount (100mm)		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		



ThinkCentre M93z (Multi-touch) with Frame Stand and optional wireless keyboard and mouse



ThinkCentre M93z (Non-touch) with Monitor Stand and optional wireless keyboard and mouse



ThinkCentre M93z with Monitor Stand with optional PS/2 and Serial ports



ThinkCentre M93z with Frame Stand with optional PS/2 and Serial ports



Frame Stand
(Adjustable between 10° and 45°)



Monitor Stand
(Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°)

ThinkCentre M93z (10AF) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Pro-processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key-board/ Mouse	Intel vPro	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10AF0009++	i5-4570S	4GBx1	2.0M	500G Hybird	HD 4600	N6235	Media	Sensor	None	Switch	Monitor	USB	vPro	None	Win7 Pro64 DG	07/09/13
10AF000A++	i5-4430S	4GBx1	2.0M	500G Hybird	HD 4600	N2230	Media	Sensor	None	Switch	Frame	USB	None	None	Win7 Pro64 DG	07/09/13
10AF000M++	i3-4130	4GBx1	2.0M	500G 7200	HD 4400	N2230	Media	Sensor	None	Switch	Monitor	USB	None	None	Win7 Pro64 DG	09/10/13
10AF0014++	i3-4150	4GBx1	None	500G 7200	HD 4400	7260 b/g/n	Media	Sensor	None	Switch	Monitor	USB	None	None	Win7 P64 DG Win8.1	07/08/14
10AF0015++	i5-4460S	4GBx1	None	500G 7200	HD 4600	7260 b/g/n	Media	Sensor	None	Switch	Frame	USB	None	None	Win7 P64 DG Win8.1	07/08/14
10AF0016++	i5-4590S	4GBx1	None	500G Hybird	HD 4600	7260 ac	Media	Sensor	None	Switch	Monitor	USB	vPro	None	Win7 P64 DG Win8.1	07/08/14
10AF0017++	i5-4460S	4GBx1	2.0M	500G 7200	HD 4600	7260 b/g/n	Media	Sensor	None	Switch	Frame	USB	None	None	Win7 P64 DG Win8.1	07/08/14
10AF0018++	i3-4150	4GBx1	2.0M	500G 7200	HD 4400	7260 b/g/n	Media	Sensor	None	Switch	Monitor	USB	None	None	Win7 P64 DG Win8.1	07/08/14
10AF0019++	i5-4590S	4GBx1	2.0M	500G Hybird	HD 4600	7260 ac	Media	Sensor	None	Switch	Monitor	USB	vPro	None	Win7 P64 DG Win8.1	07/08/14
Positioning Processor	<i>Premium All-In-One PC for the enterprise</i> Intel® Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i3-4150 Processor (2 cores / 4 threads, 3.5GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4430S Processor (4 cores / 4 threads, 2.7GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4460S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.4GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590S Processor (4 cores / 4 threads, 3.0GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket											Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) ● Rescue and Recovery™ ● Password Manager Preloaded applications (only some listed) ● ThinkVantage® Product Recovery ● ThinkVantage System Update ● ThinkVantage Communication Utility ● ThinkVantage Device Experience ● ThinkVantage AutoLock ● Desktop Power Manager ● View Management Utility ● Lenovo Cloud Storage by SugarSync ● Lenovo Solution Center ● Lenovo Message Center Plus ● Norton™ Internet Security (30 days of virus definitions) ● Adobe® Reader® ● Skype™ ● Microsoft Office preloaded; purchase a product key to activate ● Cyberlink PowerDVD (DVD±RW, DVD) ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Evernote ● Intel AppUp ● Lenovo Solutions for Small Business ● Nitro Pro				
Implementation																
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)															
Graphics	Intel HD Graphics 4400/4600 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 3840x2160 (DisplayPort) @60Hz															
Display	23.0" (584.2mm) Full HD 1080p (1920x1080) TFT color , IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via VGA-in connector															
Light sensor	Optional ambient light sensor															
Multi-touch	None															
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off															
Controls	Microphone mute (OSD exit), monitor mode switch (OSD enter), volume up/down buttons (OSD left/right buttons), and power button															
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB flash, SATA 6.0Gb/s, 2.5" wide DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable															
Optical	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors on planar															
Onboard SATA	Optional 11-in-1 media card reader															
Media reader																
Chipset	Intel Q87 Express Chipset															
Rear ports	Four USB 3.0, ethernet (RJ-45), DisplayPort-out, VGA-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)															
Side ports	Two USB 3.0 (one Always On / Powered), one mic, one headphone / mic combo jack															
mSATA	One mSATA slot															
PCIe Mini Card	One PCI Express® Mini Card slot															
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, Intel Centrino® Wireless-N 2230, Wi-Fi + BT4.0 combo, 2x2 <i>Some:</i> 11a/b/g/n wireless, Intel Centrino Advanced-N 6235, Wi-Fi + BT4.0 combo, 2x2 <i>Some:</i> 11b/g/n wireless, Intel Wireless-N 7260, Wi-Fi + BT4.0 combo, 2x2 <i>Some:</i> 11ac/a/b/g/n wireless, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT4.0, 2x2															
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter															
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®															
Audio support	High Definition (HD) Audio, Realtek ALC283 / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified															
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)															
Security chip	Trusted Platform Module (TPM 1.2-compliant)															
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo															
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo															
Power supply	150 watts, autosensing, 85% PSU															
Machine	● Business black color ● Toolless back cover, stand, disk, optical drive, memory removal ● Support VESA mount (100mm) <i>Non-touch model(s) with frame stand:</i> ● (WxDxH) 22.4" X 3.6" X 17.6"; 568mm X 92.5mm X 447.3 mm ● 21.3 lb (9.68 kg) in maximum configuration ● Adjustable stand (between 10° and 45°) <i>Non-touch model(s) with monitor stand:</i> ● (WxDxH) 22.4" X 9.7" X 17.4" to 21.7"; 568mm X 247mm X 441.2mm to 551.2mm ● 25.5 lb (11.58 kg) in maximum configuration ● Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°															
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available															

See footnotes for important warranty information

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ThinkCentre M93z (10AE) - GMP

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCle Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key-board/ Mouse	Intel vPro	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10AE001F++	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	N2230	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win7 Pro64	07/09/13
10AE001D++	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	N6235	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win7 P64 DG Win8	07/09/13
10AE001R++	i7-4770S	4GBx1	2.0M	500G Hybrid	HD 4600	N6235	Media	Sensor	S P	Switch	Monitor	USB	vPro	G P	Win7 P64 DG Win8	09/10/13
10AE0022++	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	7260 b/g/n	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win7 P64 DG Win8.1	02/25/14
10AE002G++	i5-4590S	4GBx1	2.0M	500G 7200	HD 4600	N2230	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win7 Pro64	06/10/14
10AE002L++	i5-4590S	4GBx1	2.0M	500G 7200	HD 4600	7260 ac	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win7 P64 DG Win8.1	07/08/14
10AE002M++	i5-4590S	4GBx1	2.0M	500G 7200	HD 4600	7260 b/g/n	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win7 Pro64	07/08/14
Positioning Processor	<i>Premium All-In-One PC for the enterprise</i> Intel® Core™ i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590S Processor (4 cores / 4 threads, 3.0GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket											Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit				
Implementation Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)											Ready to install applications (only some listed)				
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 3840x2160 (DisplayPort)@60Hz 23.0" (584.2mm) Full HD 1080p (1920x1080) TFT color , IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via VGA-in connector Optional ambient light sensor											<ul style="list-style-type: none">● Rescue and Recovery™● Password Manager				
Display	(continued from Graphics)											Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Device Experience● ThinkVantage AutoLock● Desktop Power Manager● View Management Utility● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Message Center Plus● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™● Microsoft Office preloaded; purchase a product key to activate● Cyberlink PowerDVD (DVD±RW, DVD)● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Evernote● Intel AppUp● Lenovo Solutions for Small Business● Nitro Pro				
Light sensor Multi-touch Camera	None Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off											(continued from Preloaded applications)				
Controls	Microphone mute (OSD exit), monitor mode switch (OSD enter), volume up/down buttons (OSD left/right buttons), and power button											(continued from Preloaded applications)				
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide											(continued from Preloaded applications)				
Optical Onboard SATA Media reader	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors on planar Optional 11-in-1 media card reader											(continued from Preloaded applications)				
Chipset	Intel Q87 Express Chipset											(continued from Preloaded applications)				
Rear ports	Four USB 3.0, ethernet (RJ-45), DisplayPort-out, VGA-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)											(continued from Preloaded applications)				
Side ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)											(continued from Preloaded applications)				
ExpressCard mSATA PCIe Mini Card PCIe WLAN	None One mSATA slot One PCI Express® Mini Card slot <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino Advanced-N 6235, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11ac/a/b/g/n wireless, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo adapter, 2x2											(continued from Preloaded applications)				
Bluetooth Ethernet Audio support	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN® High Definition (HD) Audio, Realtek ALC283 / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified Intel Active Management Technology 9.0 (Intel AMT 9.0) Trusted Platform Module (TPM 1.2-compliant)											Security <ul style="list-style-type: none">● Security chip (see information on left)● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● USB port disablement● <i>Chassis intrusion switch on selected model(s)</i>				
Intel AMT Security chip	(continued from Audio support)											(continued from Security)				
Keyboard Mouse Power supply	Preferred Pro USB Keyboard (USB connector), Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo 150 watts, autosensing, 85% PSU											(continued from Security)				
Machine	<ul style="list-style-type: none">● Business black color● Toolless back cover, stand removal● Toolless disk, optical drive, memory removal● Support VESA mount (100mm) <i>Non-touch model(s) with frame stand:</i> <ul style="list-style-type: none">● (WxDxH) 22.4" X 3.6" X 17.6"; 568mm X 92.5mm X 447.3 mm● 21.3 lb (9.68 kg) in maximum configuration● Adjustable stand (between 10° and 45°) <i>Non-touch model(s) with monitor stand:</i> <ul style="list-style-type: none">● (WxDxH) 22.4" X 9.7" X 17.4" to 21.7"; 568mm X 247mm X 441.2mm to 551.2mm● 25.5 lb (11.58 kg) in maximum configuration● Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°											EPEAT™ Gold rating ENERGY STAR® 6.0-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies				
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available											(continued from Machine)				

See footnotes for important warranty information

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(G-MPHS1-10) June 2014

ThinkCentre M93z (10AE) - GMP (Windows 8/8.1)

Product Specifications Reference (PSREF)

Type-model	Pro-processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key-board/ Mouse	Intel vPro	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10AE001E++	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	N2230	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win8 Pro64	07/09/13
10AE0023++	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	N7260	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win8.1 Pro64	02/25/14
10AE002K++	i5-4590S	4GBx1	2.0M	500G 7200	HD 4600	N7260	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win8.1 Pro64	06/10/14

Country Code"++": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

●Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning Processor	Premium All-In-One PC for the enterprise Intel® Core™ i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i5-4590S Processor (4 cores / 4 threads, 3.0GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1150 socket		Preloaded operating system <i>Some:</i> Windows® 8 Pro 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit Web install applications (only some listed) ● Password Manager Preloaded applications (only some listed) ● ThinkVantage System Update ● ThinkVantage AutoLock ● Desktop Power Manager ● View Management Utility (for Windows 8 only) ● Lenovo Cloud Storage by SugarSync (for Windows 8 only) ● Lenovo Solution Center ● Lenovo Support ● Lenovo Companion ● Norton Internet Security (30 days of virus definitions) ● Skype™ ● Microsoft Office preloaded; purchase a product key to activate ● Cyberlink PowerDVD (DVD±RW, DVD) ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Evernote® ● Intel AppUp ● Lenovo Solutions for Small Business ● Nitro Pro ● AccuWeather ● Norton™ Studio ● Pokki (for Windows 8.1 only) ● Hightail (for Windows 8.1 only)
Implementation	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		Security ● Security chip (see information on left) ● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) ● Power-on password ● Administrator password ● Hard disk password ● Boot sequence control ● Boot without keyboard and mouse ● USB port disablement ● Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 6.0-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies
Memory			
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 3840x2160 (DisplayPort)@60Hz 23.0" (584.2mm) Full HD 1080p (1920x1080) TFT color , IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via VGA-in connector Optional ambient light sensor		
Display			
Light sensor	None		
Multi-touch	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off		
Camera			
Controls	Microphone mute (OSD exit), monitor mode switch (OSD enter), volume up/down buttons (OSD left/right buttons), and power button		
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Onboard SATA	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors on planar		
Media reader	Optional 11-in-1 media card reader		
Chipset	Intel Q87 Express Chipset		
Rear ports	Four USB 3.0, ethernet (RJ-45), DisplayPort-out, VGA-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)		
Side ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)		
ExpressCard	None		
mSATA	One mSATA slot		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®		
Audio support	High Definition (HD) Audio, Realtek ALC283 / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified Intel Active Management Technology 9.0 (Intel AMT 9.0) Trusted Platform Module (TPM 1.2-compliant)		
Intel AMT			
Security chip			
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Power supply	150 watts, autosensing, 85% PSU		
Machine	● Business black color ● Toolless back cover, stand removal ● Toolless disk, optical drive, memory removal ● Support VESA mount (100mm) <i>Non-touch model(s) with frame stand:</i> ● (WxDxH) 22.4" X 3.6" X 17.6"; 568mm X 92.5mm X 447.3 mm ● 21.3 lb (9.68 kg) in maximum configuration ● Adjustable stand (between 10° and 45°) <i>Non-touch model(s) with monitor stand:</i> ● (WxDxH) 22.4" X 9.7" X 17.4" to 21.7"; 568mm X 247mm X 441.2mm to 551.2mm ● 25.5 lb (11.58 kg) in maximum configuration ● Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		

See footnotes for important warranty information

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ThinkCentre M93z (10AD) - Multi-touch (TopSeller)

Product Specifications Reference (PSREF)

Type-model	Pro-processor	Memory	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial port	Chassis intrusion switch	Stand type	Key-board/ Mouse	Intel vPro	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10AD000A++	i5-4570S	4GBx1	2.0M	128G SSD	HD 4600	N6235	Media	Sensor	None	Switch	Monitor	USB	vPro	None	Win7 Pro64 DG	07/09/13
10AD000D++	i5-4570S	4GBx1	2.0M	500G Hybird	HD 4600	N6235	Media	Sensor	None	Switch	Frame	USB	vPro	None	Win7 Pro64 DG	07/09/13
10AD002B++	i5-4590S	4GBx1	2.0M	500G Hybird	HD 4600	7260 ac	Media	Sensor	None	Switch	Frame	USB	vPro	None	Win7 P64 DG	Win8.1 07/08/14

Country Code"++" : AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

- Small and medium business (SMB) model(s), part of the Westen Europe TopSeller™ Program
- 3-year limited warranty

Positioning Processor	Premium All-In-One PC for the enterprise Intel® Core™ i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core i5-4590S Processor (4 cores / 4 threads, 3.0GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1150 socket										Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) • Rescue and Recovery™ • Password Manager					
Implementation	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)										Preloaded applications (only some listed) • ThinkVantage® Product Recovery • ThinkVantage System Update • ThinkVantage Communication Utility • ThinkVantage Device Experience • ThinkVantage AutoLock • Desktop Power Manager • View Management Utility • Lenovo Cloud Storage by SugarSync • Lenovo Solution Center • Norton™ Internet Security (30 days of virus definitions) • Adobe® Reader® • Skype™ • Microsoft Office preloaded; purchase a product key to activate • Cyberlink PowerDVD (DVD±RW, DVD) • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) • Evernote • Intel AppUp • Lenovo Solutions for Small Business • Nitro Pro					
Memory	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution: 3840x2160 (DisplayPort)@60Hz</i> 23.0" (584.2mm) Full HD 1080p (1920x1080) TFT color , IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via VGA-in connector										Security • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard and mouse • USB port disablement • Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 6.0-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies					
Graphics	Optional ambient light sensor Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off															
Display	Microphone mute (OSD exit), monitor mode switch (OSD enter), volume up/down buttons (OSD left/right buttons), and power button															
Light sensor	Some: 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors on planar Optional 11-in-1 media card reader															
Multi-touch	Intel Q87 Express Chipset															
Camera	Four USB 3.0, ethernet (RJ-45), DisplayPort-out, VGA-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)															
Controls	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)															
Disk	None One mSATA slot															
Optical	One PCI Express® Mini Card slot															
Onboard SATA	Some: 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Advanced-N 6235, Wi-Fi + Bluetooth combo adapter, 2x2															
Media reader	Some: 11ac/a/b/g/n wireless, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo adapter, 2x2															
Chipset	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN® High Definition (HD) Audio, Realtek ALC283 / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified Intel Active Management Technology 9.0 (Intel AMT 9.0) Trusted Platform Module (TPM 1.2-compliant)															
ExpressCard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo															
mSATA	Enhanced Optical USB Mouse, black, Lenovo logo															
PCIe Mini Card	150 watts, autosensing, 85% PSU															
PCIe WLAN	Machine															
Bluetooth	• Business black color															
Ethernet	• Toolless back cover, stand removal															
Audio support	• Toolless disk, optical drive, memory removal															
Intel AMT	• Support VESA mount (100mm)															
Security chip	Multi-touch model(s) with frame stand:															
Keyboard	• (WxDxH) 22.4" X 3.7" X 17.6"; 568mm X 93.1mm X 447.3 mm															
Mouse	• 24.7 lb (11.22 kg) in maximum configuration															
Power supply	• Adjustable stand (between 10° and 45°)															
Machine	Multi-touch model(s) with monitor stand:															
	• (WxDxH) 22.4" X 9.7" X 17.4" to 21.7"; 568mm X 247mm X 441.2mm to 551.2mm															
	• 28.9 lb (13.12 kg) in maximum configuration															
	• Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°															
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available															

See footnotes for important warranty information

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ThinkCentre M93z (10AD) - Multi-touch (TopSeller) - Win 8/8.1

Product Specifications Reference (PSREF)

Type-model	Pro-processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial port	Chassis intrusion switch	Stand type	Key-board/ Mouse	Intel vPro	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10AD000B++	i5-4570S	4GBx1	2.0M	128G SSD	HD 4600	N6235	Media	Sensor	None	Switch	Monitor	USB	vPro	None	Win8 Pro64	07/09/13
10AD000C++	i5-4570S	4GBx1	2.0M	500G Hybird	HD 4600	N6235	Media	Sensor	None	Switch	Frame	USB	vPro	None	Win8 Pro64	07/09/13
10AD002C++	i5-4590S	4GBx1	2.0M	500G Hybird	HD 4600	7260 ac	Media	Sensor	None	Switch	Frame	USB	vPro	None	Win8.1 Pro64	06/10/14
10AD002D++	i5-4590S	4GBx1	2.0M	128G SSD	HD 4600	7260 ac	Media	Sensor	None	Switch	Monitor	USB	vPro	None	Win8.1 Pro64	06/10/14

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 3-year limited warranty

Positioning Processor	<i>Premium All-In-One PC for the enterprise</i> Intel® Core™ i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590S Processor (4 cores / 4 threads, 3.0GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system <i>Some:</i> Windows® 8 Pro 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit Web install applications (only some listed) ● Password Manager Preloaded applications (only some listed) ● ThinkVantage System Update ● ThinkVantage AutoLock ● Desktop Power Manager ● View Management Utility (for WIndows 8 only) ● Lenovo Cloud Storage by SugarSync (for WIndows 8 only) ● Lenovo Solution Center ● Lenovo Support ● Lenovo Companion ● Norton Internet Security (30 days of virus definitions) ● Skype™ ● Microsoft Office preloaded; purchase a product key to activate ● Cyberlink PowerDVD (DVD±RW, DVD) ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Evernote® ● Intel AppUp ● Lenovo Solutions for Small Business ● Nitro Pro ● AccuWeather ● Norton™ Studio ● Pokki (for WIndows 8.1 only) ● Hightail (for WIndows 8.1 only)
Implementation			
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 3840x2160 (DisplayPort) @60Hz		
Display	23.0" (584.2mm) Full HD 1080p (1920x1080) TFT color , IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via VGA-in connector		
Light sensor	Optional ambient light sensor		
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch		
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off		
Controls	Microphone mute (OSD exit), monitor mode switch (OSD enter), volume up/down buttons (OSD left/right buttons), and power button		
Disk	<i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Onboard SATA	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors on planar		
Media reader	Optional 11-in-1 media card reader		
Chipset	Intel Q87 Express Chipset		
Rear ports	Four USB 3.0, ethernet (RJ-45), DisplayPort-out, VGA-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)		
Side ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)		
ExpressCard	None		
mSATA	One mSATA slot		
PCIe Mini Card	One PCI Express® Mini Card slot		
PCIe WLAN	<i>Some:</i> 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Advanced-N 6235, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11ac/a/b/g/n wireless, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®		
Audio support	High Definition (HD) Audio, Realtek ALC283 / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified		
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)		
Security chip	Trusted Platform Module (TPM 1.2-compliant)		
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Power supply	150 watts, autosensing, 85% PSU		
Machine	<ul style="list-style-type: none">● Business black color● Toolless back cover, stand removal● Toolless disk, optical drive, memory removal● Support VESA mount (100mm) <i>Multi-touch model(s) with frame stand:</i> <ul style="list-style-type: none">● (WxDxH) 22.4" X 3.7" X 17.6"; 568mm X 93.1mm X 447.3 mm● 24.7 lb (11.22 kg) in maximum configuration● Adjustable stand (between 10° and 45°) <i>Multi-touch model(s) with monitor stand:</i> <ul style="list-style-type: none">● (WxDxH) 22.4" X 9.7" X 17.4" to 21.7"; 568mm X 247mm X 441.2mm to 551.2mm● 28.9 lb (13.12 kg) in maximum configuration● Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		

Security <ul style="list-style-type: none">● Security chip (see information on left)● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● USB port disablement● Chassis intrusion switch on selected model(s)
EPEAT™ Gold rating ENERGY STAR® 6.0-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant
Supports ThinkVantage Technologies

See footnotes for important warranty information

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(G-MPHS1-6) July 2014

ThinkCentre M93z (10AC) - Multi-touch (GMP)

Product Specifications Reference (PSREF)

Type-model	Pro-cessor	Memory ⁸	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial & PS/2 port	Chassis intrusion switch	Stand type	Key-board/Mouse	Intel vPro	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10AC001G++	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	N2230	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win7 Pro64	07/09/13
10AC001E++	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	N6235	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win7 P64 DG Win8	07/09/13
10AC001T++	i7-4770S	4GBx1	2.0M	500G Hybrid	HD 4600	N6235	Media	Sensor	S P	Switch	Frame	USB	vPro	G P	Win7 P64 DG Win8	09/10/13
10AC002C++	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	7260 b/g/n	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win7 P64 DG Win8.1	02/25/14
10AC002Y++	i5-4590S	4GBx1	2.0M	500G 7200	HD 4600	N2230	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win7 Pro64	06/10/14
10AC0031++	i5-4590S	4GBx1	2.0M	500G 7200	HD 4600	7260 ac	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win7 P64 DG Win8.1	07/08/14
10AC0033++	i5-4590S	4GBx1	2.0M	500G 7200	HD 4600	7260 b/g/n	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win7 Pro64	07/08/14
Positioning Processor	Premium All-In-One PC for the enterprise Intel® Core™ i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590S Processor (4 cores / 4 threads, 3.0GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket											Preloaded operating system <i>Some:</i> Windows® 7 Professional 64 <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit				
Implementation	Processor in LGA1150 socket											Ready to install applications (only some listed) ● Rescue and Recovery™ ● Password Manager Preloaded applications (only some listed) ● ThinkVantage® Product Recovery ● ThinkVantage System Update ● ThinkVantage Communication Utility ● ThinkVantage Device Experience ● ThinkVantage AutoLock ● Desktop Power Manager ● View Management Utility ● Lenovo Cloud Storage by SugarSync ● Lenovo Solution Center ● Lenovo Message Center Plus ● Norton™ Internet Security (30 days of virus definitions) ● Adobe® Reader® ● Skype™ ● Microsoft Office preloaded; purchase a product key to activate ● Cyberlink PowerDVD (DVD±RW, DVD) ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Evernote ● Intel AppUp ● Lenovo Solutions for Small Business ● Nitro Pro				
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)															
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 3840x2160 (DisplayPort)@60Hz											Security ● Security chip (see information on left) ● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) ● Power-on password ● Administrator password ● Hard disk password ● Boot sequence control ● Boot without keyboard and mouse ● USB port disablement ● Chassis intrusion switch on selected model(s) EPEAT™ Gold rating ENERGY STAR® 6.0-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies				
Display	23.0" (584.2mm) Full HD 1080p (1920x1080) TFT color , IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via VGA-in connector															
Light sensor	Optional ambient light sensor															
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch															
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off															
Controls	Microphone mute (OSD exit), monitor mode switch (OSD enter), volume up/down buttons (OSD left/right buttons), and power button															
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide															
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable															
Onboard SATA	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors on planar															
Media reader	Optional 11-in-1 media card reader															
Chipset	Intel Q87 Express Chipset															
Rear ports	Four USB 3.0, ethernet (RJ-45), DisplayPort-out, VGA-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)															
Side ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)															
ExpressCard	None															
mSATA	One mSATA slot															
PCIe Mini Card	One PCI Express® Mini Card slot															
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino Advanced-N 6235, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11ac/a/b/g/n wireless, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo adapter, 2x2															
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter															
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®															
Audio support	High Definition (HD) Audio, Realtek ALC283 / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified															
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)															
Security chip	Trusted Platform Module (TPM 1.2-compliant)															
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo															
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo															
Power supply	150 watts, autosensing, 85% PSU															
Machine	● Business black color ● Toolless back cover, stand removal ● Toolless disk, optical drive, memory removal ● Support VESA mount (100mm) <i>Multi-touch model(s) with frame stand:</i> ● (WxDxH) 22.4" X 3.7" X 17.6"; 568mm X 93.1mm X 447.3 mm ● 24.7 lb (11.22 kg) in maximum configuration ● Adjustable stand (between 10° and 45°) <i>Multi-touch model(s) with monitor stand:</i> ● (WxDxH) 22.4" X 9.7" X 17.4" to 21.7"; 568mm X 247mm X 441.2mm to 551.2mm ● 28.9 lb (13.12 kg) in maximum configuration ● Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°															
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available															

See footnotes for important warranty information

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ThinkCentre M93z (10AC) - Multi-touch (GMP) - Win 8/8.1

Product Specifications Reference (PSREF)

Type-model	Pro-processor	Memory ^a	Camera (mega-pixel)	Disk SATA GB rpm	Graphics	PCIe Mini Card WLAN	Media reader	Light sensor	Serial port	Chassis intrusion switch	Stand type	Key-board/ Mouse	Intel vPro	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10AC001F++	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	N2230	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win8 Pro64	07/09/13
10AC002D++	i5-4570S	4GBx1	2.0M	500G 7200	HD 4600	N7260	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win8.1 Pro64	02/25/14
10AC0032++	i5-4590S	4GBx1	2.0M	500G 7200	HD 4600	N7260	Media	Sensor	None	Switch	Monitor	USB	vPro	G P	Win8.1 Pro64	06/10/14

Country Code"+": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)
 Note: models listed above might not be available in all WE countries

●Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Positioning Processor	Premium All-In-One PC for the enterprise Intel® Core™ i5-4570S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4590S Processor (4 cores / 4 threads, 3.0GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller	Preloaded operating system <i>Some:</i> Windows® 8 Pro 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit
Implementation	Processor in LGA1150 socket	Web install applications (only some listed)
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)	● Password Manager
Graphics	Intel HD Graphics 4600 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 3840x2160 (DisplayPort)@60Hz	Preloaded applications (only some listed)
Display	23.0" (584.2mm) Full HD 1080p (1920x1080) TFT color , IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via VGA-in connector	● ThinkVantage System Update
Light sensor	Optional ambient light sensor	● ThinkVantage AutoLock
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch	● Desktop Power Manager
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off	● View Management Utility (for Windows 8 only)
Controls	Microphone mute (OSD exit), monitor mode switch (OSD enter), volume up/down buttons (OSD left/right buttons), and power button	● Lenovo Cloud Storage by SugarSync (for Windows 8 only)
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm	● Lenovo Solution Center
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable	● Lenovo Support
Onboard SATA	Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors on planar	● Lenovo Companion
Media reader	Optional 11-in-1 media card reader	● Norton Internet Security (30 days of virus definitions)
Chipset	Intel Q87 Express Chipset	● Skype™
Rear ports	Four USB 3.0, ethernet (RJ-45), DisplayPort-out, VGA-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)	● Microsoft Office preloaded; purchase a product key to activate
Side ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)	● Cyberlink PowerDVD (DVD±RW, DVD)
ExpressCard	None	● Cyberlink Power2Go (DVD±RW)
mSATA	One mSATA slot	● Cyberlink PowerProducer (DVD±RW)
PCIe Mini Card	One PCI Express® Mini Card slot	● Evernote®
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2	● Intel AppUp
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter	● Lenovo Solutions for Small Business
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®	● Nitro Pro
Audio support	High Definition (HD) Audio, Realtek ALC283 / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified	● AccuWeather
Intel AMT	Intel Active Management Technology 9.0 (Intel AMT 9.0)	● Norton™ Studio
Security chip	Trusted Platform Module (TPM 1.2-compliant)	● Pokki (for Windows 8.1 only)
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo	● Hightail (for Windows 8.1 only)
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo	
Power supply	150 watts, autosensing, 85% PSU	
Machine	● Business black color ● Toolless back cover, stand removal ● Toolless disk, optical drive, memory removal ● Support VESA mount (100mm) <i>Multi-touch model(s) with frame stand:</i> <ul style="list-style-type: none">● (WxDxH) 22.4" X 3.7" X 17.6"; 568mm X 93.1mm X 447.3 mm● 24.7 lb (11.22 kg) in maximum configuration● Adjustable stand (between 10° and 45°) <i>Multi-touch model(s) with monitor stand:</i> <ul style="list-style-type: none">● (WxDxH) 22.4" X 9.7" X 17.4" to 21.7"; 568mm X 247mm X 441.2mm to 551.2mm● 28.9 lb (13.12 kg) in maximum configuration● Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°	Security <ul style="list-style-type: none">● Security chip (see information on left)● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● USB port disablement● Chassis intrusion switch on selected model(s)
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	EPEAT™ Gold rating ENERGY STAR® 6.2-compliant TCO Certified Edge TUV Green Mark ULE Gold EuP 2013 Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies

See footnotes for important warranty information

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Lenovo ThinkCentre Edge 62z with Frame Stand



Lenovo ThinkCentre Edge 62z with Frame Stand



Lenovo ThinkCentre Edge 62z with Frame Stand



Handle



Lenovo ThinkCentre Edge 62z with Frame Stand



Lenovo ThinkCentre Edge 62z with Frame Stand

ThinkCentre Edge 62z (2117) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Processor	Memory ^a	Camera	Disk SATA GB rpm	SATA optical	Graphics	PCIe Mini Card WLAN	Stand type	Global	Preload	Ann date (mm/dd/yy)
2117-GDG	G2030	4GBx1 1600MHz	None	500G 7200	DVD±RW	Intel HD	Intel 105	Frame	None	Win7 Pro64	12/24/13
2117-GEG	G2030	4GBx1 1600MHz	None	500G 7200	DVD±RW	Intel HD	Intel 105	Frame	None	Win7 Pro64 (DG)	12/24/13
2117-GFG	i3-3240	4GBx1 1600MHz	720p	500G 7200	DVD±RW	HD 2500	Intel 105	Frame	None	Win7 Pro64	12/24/13
2117-GGG	i3-3240	4GBx1 1600MHz	720p	500G 7200	DVD±RW	HD 2500	Intel 105	Frame	None	Win7 Pro64 (DG)	12/24/13

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 1-year limited warranty

Positioning Processor	<i>Essential All-In-One PC for small/medium businesses</i> Intel® Pentium® G2030 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache) , integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology Intel Core™ i3-3240 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache) , integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller		Preloaded operating system²⁰ <i>Some:</i> Windows® 7 Professional 64 <i>Some:</i> Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit	
Implementation	Processor in LGA1155 socket		Ready to install applications (only some listed)	
Memory	8GB max, PC3-12800 1600MHz DDR3 , one 204-pin SODIMM sockets (notebook) <i>System automatically clocks down for processors with 1333MHz DDR3 memory controller</i>		<ul style="list-style-type: none">● Rescue and Recovery™● Password Manager● Lenovo® Message Center Plus Preloaded applications (only some listed)	
Graphics Display	Intel HD Graphics or Intel HD Graphics 2500 in processor, uses system memory 18.5" (470mm) HD (1366x768) TFT color , CCFL backlight, 200 nits, 16:9 aspect ratio, 600:1 dynamic contrast ratio		<ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Automatic Lock Utility● ThinkVantage Power Manager● View Management Utility● Lenovo Solution Center● RapidBoot HDD Accelerator● Lenovo SimpleTap● Lenovo Cloud Storage by SugarSync● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Evernote®● Symantec™ VIP● Intel AppUp®● Nitro PDF Pro● Skype™ for Windows● Windows Live™ Essentials● Microsoft® Office preloaded; purchase a product key to activate● Corel® Burn.Now™ (DVD±RW)● Corel DVD MovieFactory® (DVD±RW)	
Multi-touch	None			
Camera	<i>Some:</i> HD720p Camera on top of screen, 1.0-megapixel, fixed focus			
Controls	Front facing button for power on/off, side buttons for brightness up and brightness down			
Disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" Wide			
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable			
Media reader	None			
Chipset	Intel H61 Express Chipset			
Rear ports	Four USB 2.0, ethernet (RJ-45), serial (9-pin)			
Side ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
PCIe Mini Card	One PCI Express® Mini Card slot			
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® wireless-N 105, 1x1			
Bluetooth	None			
Ethernet	One gigabit ethernet port, Realtek® RTL8111E-VC			
Audio	High Definition (HD) Audio, Realtek ALC269Q			
Speaker	Two internal stereo speakers (2watt x 2)			
Intel AMT	None			
Security chip	None			
Keyboard	Lenovo® Slim New F5 USB Keyboard (USB connector), black			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Power supply	120 watts, autosensing, 87% PSU			
Machine	<i>Model(s) with Frame stand:</i> <ul style="list-style-type: none">● Business black color● 18.5" W X 2.3" D X 14.5" H● 469.7mm W X 59.5mm D X 368.4mm H (including stand)● 11 lb (5 kg) in maximum configuration● Tilt: 10°-20° back; no lift; no swivel; adjustable stand● Supports VESA mount (100mm)			
Limited Warranty	1-year, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		Security <ul style="list-style-type: none">● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● USB port disablement ENERGY STAR® 5.2-compliant EuP 2013 RoHS-compliant Supports ThinkVantage Technologies	

See footnotes for important warranty information
WE models announced December 24, 2013

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(G-TAYN1-1) January 2014



ThinkCentre E73 SFF and Tower



ThinkCentre E73 Tower
with Dual Lenovo ThinkVision Monitors



ThinkCentre E73 SFF



ThinkCentre E73 SFF



ThinkCentre E73 Tower



ThinkCentre E73 SFF
with HDD and optional SSD

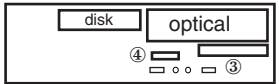
ThinkCentre E73 SFF (10AU) - TopSeller

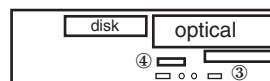
Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Parallel port	Serial port	Floor stand	Keyboard / mouse	Global	Preload	Ann date (mm/dd/yy)
10AU003B++	3x4	i7-4770S	4GBx1	1TB 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	None	USB(slim)	None	Win7 Pro64 (DG)	10/22/13
10AU003C++	3x4	i5-4430S	4+2GB	128G SSD	DVD±RW	None	Media	HD 4600	Parallel	Serial	None	USB(slim)	None	Win7 Pro64 (DG)	10/22/13
10AU003D++	3x4	i5-4430S	4GBx1	500G 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	None	USB(slim)	None	Win7 Pro64 (DG)	10/22/13
10AU003E++	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	Media	HD 4400	Parallel	Serial	None	USB	None	Win7 Pro64 (DG)	10/22/13
10AU003F++	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	Media	HD 4400	Parallel	Serial	None	USB(slim)	None	Win7 Pro64 (DG)	10/22/13
10AU003G++	3x4	G3420	4GBx1	500G 7200	DVD±RW	None	Media	Intel HD	Parallel	Serial	None	USB(slim)	None	Win7 Pro64 (DG)	10/22/13
10AU003H++	3x4	G3220	4GBx1	500G 7200	DVD±RW	None	Media	Intel HD	Parallel	Serial	None	USB	None	Win7 Pro64 (DG)	10/22/13
10AU003J++	3x4	G3220	4GBx1	500G 7200	DVD±RW	None	Media	Intel HD	Parallel	Serial	None	USB(slim)	None	Win7 Pro64 (DG)	10/22/13

Country Code"+": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

Positioning Processor	Stylish design, reliability, and productivity for small/medium businesses Intel® Pentium® G3220 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Pentium G3420 Processor (2 cores / 2 threads, 3.2GHz, 3MB cache), Intel HD Graphics, 1600MHz DDR3 memory controller Intel Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4430S Processor (4 cores / 4 threads, 2.7GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Power Manager● ThinkVantage Device Experience● View Management Utility● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Message Center Plus● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™● Evernote®● Microsoft® Office preloaded; purchase a product key to activate● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Nitro Pro	
Implementation	Processor in LGA1150 socket			
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3* , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller			
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz;</i> 1920x1200 (VGA)@60Hz (Reduced Blanking)			
DP dongle	None			
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
Optical	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset			
SATA controller	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar			
Onboard SATA	None			
eSATA port	Optional 9-in-1 media reader, internal USB 2.0			
Media reader				
Chipset	Intel H81 Express Chipset			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Two USB 3.0, two USB 2.0, optional serial (9-pin)*, optional parallel (25-pin)*, ethernet (RJ-45), VGA DB-15, DisplayPort <i>* Please see the detailed configuration on top</i>			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)			
PCIe WLAN	None			
Bluetooth	None			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
Speaker	Internal speaker for business audio			
IEEE 1394	None			
Ethernet	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN			
Manageability	None			
Modem	None			
Security chip	None			
Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo <i>Some:</i> Lenovo® Slim USB Keyboard (USB connector), black, Lenovo logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Floor Stand	Optional system floor stand for vertical orientation			
Power supply	180 watts, universal, autosensing			
Machine	<ul style="list-style-type: none">● Glossy black bezel; metal case● 13.2" W X 15.0" D X 3.98" H● 336mm W X 382mm D X 101mm H● 13.2 lb (6.0 kg) in maximum configuration● Highlighted optical drive button for easy access			
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 2.5", N/A, no access, opt 2nd SSD* Bay 4: 1.5", .35" high, access, optnl reader* *bay only available on models with SSD/reader installed			
Slot	Slot 1: Low Profile, PCI Express® 3.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x1			
Limited Warranty ¹	1-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		Security <ul style="list-style-type: none">● One lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● Individual USB port disablement	
			GREENGUARD® certified RoHS-compliant	
			Supports ThinkVantage Technologies	



See footnotes for important warranty information
 WE model(s) announced October 22, 2013

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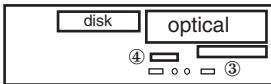
ThinkCentre E73 SFF (10AU) - TopSeller - II

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Parallel port	Serial port	Floor stand	Keyboard / mouse	Global	Preload	Ann date (mm/dd/yy)
10AU003K++	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	Media	HD 4400	Parallel	Serial	None	USB(slim)	None	Win8 64	10/22/13
10AU003L++	3x4	G3220	4GBx1	500G 7200	DVD±RW	None	Media	Intel HD	Parallel	Serial	None	USB(slim)	None	Win8 64	10/22/13

Country Code"+": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)
 Note: models listed above might not be available in all WE countries

- Small and medium business (SMB) model(s), part of the Westen Europe TopSeller™ Program
- 1-year limited warranty

Positioning Processor	Stylish design, reliability, and productivity for small/medium businesses Intel® Pentium® G3220 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system Windows® 8 64-bit Ready to install applications (only some listed) ● Password Manager Preloaded applications (only some listed) ● ThinkVantage® System Update ● View Management Utility ● Lenovo® Support ● Lenovo Companion ● Lenovo Cloud Storage by SugarSync ● Lenovo Solution Center ● Desktop Power Manager ● PC Device Stage ● Microsoft® Office preloaded; purchase a product key to activate ● Norton™ Internet Security (30 days of virus definitions) ● Evernote® ● Skype™ ● Cyberlink PowerDVD (DVD±RW, DVD) ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Nitro Pro ● AccuWeather ● Norton Studio ● Intel AppUp®	
Implementation				
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3* , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller			
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)			
DP dongle	None			
Disk	Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset			
Onboard SATA	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar			
eSATA port	None			
Media reader	Optional 9-in-1 media reader, internal USB 2.0			
Chipset	Intel H81 Express Chipset			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Two USB 3.0, two USB 2.0, optional serial (9-pin)*, optional parallel (25-pin)*, ethernet (RJ-45), VGA DB-15, DisplayPort <i>* Please see the detailed configuration on top</i>			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)			
PCIe WLAN	None			
Bluetooth	None			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
Speaker	Internal speaker for business audio			
IEEE 1394	None			
Ethernet	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN			
Manageability	None			
Modem	None			
Security chip	None			
Keyboard	Lenovo® Slim USB Keyboard (USB connector), black, Lenovo logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Floor Stand	Optional system floor stand for vertical orientation			
Power supply	180 watts, universal, autosensing			
Machine	<ul style="list-style-type: none">● Glossy black bezel; metal case● 13.2" W X 15.0" D X 3.98" H● 336mm W X 382mm D X 101mm H● 13.2 lb (6.0 kg) in maximum configuration● Highlighted optical drive button for easy access			
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 2.5", N/A, no access, opt 2nd SSD* Bay 4: 1.5", .35" high, access, optnl reader* <i>*bay only available on models with SSD/reader installed</i>			
Slot	Slot 1: Low Profile, PCI Express® 3.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x1			
Limited Warranty¹	1-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		Security ● One lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable) ● Power-on password ● Administrator password ● Hard disk password ● Boot sequence control ● Boot without keyboard and mouse ● Individual USB port disablement GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies	

See footnotes for important warranty information
 WE model(s) announced October 22, 2013

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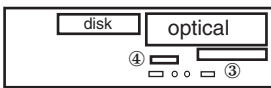
ThinkCentre E73 SFF (10AU) - TopSeller - III

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Serial / Parallel port	Floor stand	Keyboard / mouse	Global	Preload	Ann date (mm/dd/yy)
10AU0075++	3x4	i5-4440S	8GBx1	1TB 7200	DVD±RW	None	Media	HD 4600	S P	None	USB(slim)	None	Win7 P64 DG Win8.1	12/24/13
10AU008L++	3x4	i7-4770S	8GBx1	1TB 7200	DVD±RW	None	Media	HD 4600	S P	None	USB(slim)	None	Win7 P64 DG Win8.1	03/18/14

Country Code"++": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)
 Note: models listed above might not be available in all WE countries

- Small and medium business (SMB) model(s), part of the Westen Europe TopSeller™ Program
- 1-year limited warranty

Positioning Processor	Stylish design, reliability, and productivity for small/medium businesses Intel® Core™ Core i5-4440S Processor (4 cores / 4 threads, 2.8GHz, 6MB cache), Turbo Boost 2.0 (3.3GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Power Manager● ThinkVantage Device Experience● View Management Utility● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Message Center Plus● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™● Evernote®● Microsoft® Office preloaded; purchase a product key to activate● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Nitro Pro	
Implementation				
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3* , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller			
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 2560x1600 (DisplayPort) @60Hz; 1920x1200 (VGA) @60Hz (Reduced Blanking)			
DP dongle	None			
Disk	Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset			
Onboard SATA	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar			
eSATA port	None			
Media reader	Optional 9-in-1 media reader, internal USB 2.0			
Chipset	Intel H81 Express Chipset			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Two USB 3.0, two USB 2.0, optional serial (9-pin)*, optional parallel (25-pin)*, ethernet (RJ-45), VGA DB-15, DisplayPort <i>* Please see the detailed configuration on top</i>			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)			
PCIe WLAN	None			
Bluetooth	None			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
Speaker	Internal speaker for business audio			
IEEE 1394	None			
Ethernet	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN			
Manageability	None			
Modem	None			
Security chip	None			
Keyboard	Lenovo® Slim USB Keyboard (USB connector), black, Lenovo logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Floor Stand	Optional system floor stand for vertical orientation			
Power supply	180 watts, universal, autosensing			
Machine	<ul style="list-style-type: none">● Glossy black bezel; metal case● 13.2" W X 15.0" D X 3.98" H● 336mm W X 382mm D X 101mm H● 13.2 lb (6.0 kg) in maximum configuration● Highlighted optical drive button for easy access			
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 2.5", N/A, no access, opt 2nd SSD* Bay 4: 1.5", .35" high, access, optnl reader* *bay only available on models with SSD/reader installed			
Slot	Slot 1: Low Profile, PCI Express® 3.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x1			
				
Limited Warranty¹	1-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		Security <ul style="list-style-type: none">● One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● Individual USB port disablement GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies	

See footnotes for important warranty information

WE model(s) announced December 24, 2013 or March 18, 2014

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(G-TLS1S-3) March 2014

ThinkCentre E73 SFF (10AW) - ES 6.0 (TopSeller)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Parallel port	Serial port	Floor stand	Keyboard / mouse	Global	Preload	Ann date (mm/dd/yy)
10AW008B++	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	Media	HD 4400	Parallel	Serial	None	USB(slim)	None	Win8.1 64	04/22/14
10AW008C++	3x4	G3220	4GBx1	500G 7200	DVD±RW	None	Media	Intel HD	Parallel	Serial	None	USB(slim)	None	Win8.1 64	04/22/14
10AW008K++	3x4	G3240	4GBx1	500G 7200	DVD±RW	None	Media	Intel HD	Parallel	Serial	None	USB(slim)	None	Win8.1 64	06/24/14
10AW008L++	3x4	i3-4150	4GBx1	500G 7200	DVD±RW	None	Media	HD 4400	Parallel	Serial	None	USB(slim)	None	Win8.1 64	06/24/14

Country Code"+-": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)
 Note: models listed above might not be available in all WE countries

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 1-year limited warranty

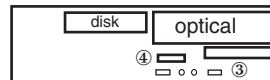
Positioning Processor	Stylish design, reliability, and productivity for small/medium businesses Intel® Pentium® G3220 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Pentium G3240 Processor (2 cores / 2 threads, 3.1GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i3-4150 Processor (2 cores / 4 threads, 3.5GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system Windows® 8.1 64-bit Ready to install applications (only some listed) ● Password Manager Preloaded applications (only some listed) ● ThinkVantage® System Update ● Lenovo® Support ● Lenovo Companion ● Lenovo Solution Center ● Desktop Power Manager ● PC Device Stage ● Microsoft® Office preloaded; purchase a product key to activate ● Norton™ Internet Security (30 days of virus definitions) ● Evernote® ● Skype™ ● Cyberlink PowerDVD (DVD±RW, DVD) ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Nitro Pro ● AccuWeather ● Norton Studio ● Pokki ● Hightail	
Implementation	Processor in LGA1150 socket			
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3* , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller			
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)			
DP dongle	None			
Disk	Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset			
Onboard SATA	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar			
eSATA port	None			
Media reader	Optional 9-in-1 media reader, internal USB 2.0			
Chipset	Intel H81 Express Chipset			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Two USB 3.0, two USB 2.0, optional serial (9-pin)*, optional parallel (25-pin)*, ethernet (RJ-45), VGA DB-15, DisplayPort <i>* Please see the detailed configuration on top</i>			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)			
PCIe WLAN	None			
Bluetooth	None			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
Speaker	Internal speaker for business audio			
IEEE 1394	None			
Ethernet	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN			
Manageability	None			
Modem	None			
Security chip	None			
Keyboard	Lenovo® Slim USB Keyboard (USB connector), black, Lenovo logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Floor Stand	Optional system floor stand for vertical orientation			
Power supply	240 watts, universal, autosensing, 85% PSU			
Machine	<ul style="list-style-type: none">● Glossy black bezel; metal case● 13.2" W X 15.0" D X 3.98" H● 336mm W X 382mm D X 101mm H● 13.2 lb (6.0 kg) in maximum configuration● Highlighted optical drive button for easy access			
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 2.5", N/A, no access, opt 2nd SSD* Bay 4: 1.5", .35" high, access, optnl reader* <i>*bay only available on models with SSD/reader installed</i>			
Slot	Slot 1: Low Profile, PCI Express® 3.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x1			
Limited Warranty ¹	1-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available			

disk

optical

④

③



See footnotes for important warranty information

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(G-TLS1S-4) July 2014

ThinkCentre E73 SFF (10AW) - ES 6.0 (TopSeller) - II

Product Specifications Reference (PSREF)

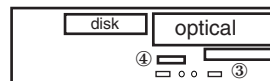
Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Parallel port	Serial port	Floor stand	Keyboard / mouse	Global	Preload	Ann date (mm/dd/yy)
10AW0088++	3x4	G3220	4GBx1	500G 7200	DVD±RW	None	Media	Intel HD	Parallel	Serial	None	USB	None	Win7 P64 DG Win8.1	04/22/14
10AW0089++	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	Media	HD 4400	Parallel	Serial	None	USB	None	Win7 P64 DG Win8.1	04/22/14
10AW008A++	3x4	G3220	4GBx1	500G 7200	DVD±RW	None	Media	Intel HD	Parallel	Serial	None	USB(slim)	None	Win7 P64 DG Win8.1	04/22/14
10AW008D++	3x4	i7-4770S	4GBx1	1TB 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	None	USB(slim)	None	Win7 P64 DG Win8.1	04/22/14
10AW008E++	3x4	i7-4770S	8GBx1	1TB 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	None	USB(slim)	None	Win7 P64 DG Win8.1	04/22/14
10AW008F++	3x4	i5-4440S	4GBx1	500G 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	None	USB(slim)	None	Win7 P64 DG Win8.1	04/22/14
10AW008G++	3x4	i5-4440S	8GBx1	1TB 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	None	USB(slim)	None	Win7 P64 DG Win8.1	04/22/14
10AW008H++	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	Media	HD 4400	Parallel	Serial	None	USB(slim)	None	Win7 P64 DG Win8.1	04/22/14
10AW008J++	3x4	i5-4440S	4+2GB	128G SSD	DVD±RW	None	Media	HD 4600	Parallel	Serial	None	USB(slim)	None	Win7 P64 DG Win8.1	04/22/14

Country Code"++": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

● 1-year limited warranty

Positioning	<i>Stylish design, reliability, and productivity for small/medium businesses</i>											Preloaded operating system		
Processor	Intel® Pentium® G3220 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4440S Processor (4 cores / 4 threads, 2.8GHz, 6MB cache), Turbo Boost 2.0 (3.3GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket											Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) ● Rescue and Recovery™ ● Password Manager		
Implementation	Processor in LGA1150 socket											Preloaded applications (only some listed)		
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3* , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller											● ThinkVantage® Product Recovery ● ThinkVantage System Update ● ThinkVantage Communication Utility ● ThinkVantage Power Manager ● ThinkVantage Device Experience ● View Management Utility ● Lenovo Cloud Storage by SugarSync ● Lenovo Solution Center ● Lenovo Message Center Plus ● Norton™ Internet Security (30 days of virus definitions) ● Adobe® Reader® ● Skype™ ● Evernote® ● Microsoft® Office preloaded; purchase a product key to activate ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Nitro Pro		
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz;</i> 1920x1200 (VGA)@60Hz (Reduced Blanking)													
DP dongle	None													
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide													
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive													
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset													
Onboard SATA	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar													
eSATA port	None													
Media reader	Optional 9-in-1 media reader, internal USB 2.0													
Chipset	Intel H81 Express Chipset													
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)													
Rear ports	Two USB 3.0, two USB 2.0, optional serial (9-pin)*, optional parallel (25-pin)*, ethernet (RJ-45), VGA DB-15, DisplayPort * Please see the detailed configuration on top													
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)													
PCIe WLAN	None													
Bluetooth	None													
Audio	High Definition (HD) Audio, Realtek® ALC662 codec													
Speaker	Internal speaker for business audio													
IEEE 1394	None													
Ethernet	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN													
Manageability	None													
Modem	None													
Security chip	None													
Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo <i>Some:</i> Lenovo® Slim USB Keyboard (USB connector), black, Lenovo logo													
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo													
Floor Stand	Optional system floor stand for vertical orientation													
Power supply	240 watts, universal, autosensing, 85% PSU													
Machine	● Glossy black bezel; metal case ● 13.2" W X 15.0" D X 3.98" H ● 336mm W X 382mm D X 101mm H ● 13.2 lb (6.0 kg) in maximum configuration ● Highlighted optical drive button for easy access													
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 2.5", N/A, no access, opt 2nd SSD* Bay 4: 1.5", .35" high, access, optnl reader* *bay only available on models with SSD/reader installed													
Slot	Slot 1: Low Profile, PCI Express® 3.0 x16 (40w max) Slot 2: Low Profile, PCIe 2.0 x1 Slot 3: Low Profile, PCIe 2.0 x1													
Limited Warranty ¹	1-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available													



See footnotes for important warranty information

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(G-TLS1S-5) May 2014

ThinkCentre E73 Tower (10AS) - TopSeller

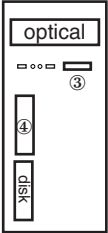
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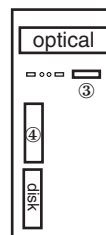
Type-model	Slot x bay	Processor	Memory ⁸	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Parallel port	Serial port	Keyboard / mouse	Global	Preload	Ann date (mm/dd/yy)
10AS002L++	3x4	i5-4430S	4GBx1	1TB 7200	DVD±RW	None	Media	GT 620	Parallel	Serial	USB	None	Win7 Pro64 (DG)	10/22/13
10AS002M++	3x4	i5-4430S	4GBx1	1TB 7200	DVD±RW	None	Media	GT 620	Parallel	Serial	USB(slim)	None	Win7 Pro64 (DG)	10/22/13
10AS002N++	3x4	i5-4430S	4GBx1	1TB 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB(slim)	None	Win7 Pro64 (DG)	10/22/13
10AS002P++	3x4	i5-4430S	4GBx1	500G 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB	None	Win7 Pro64 (DG)	10/22/13
10AS002Q++	3x4	i3-4130	4GBx1	1TB 7200	DVD±RW	None	Media	HD 4400	Parallel	Serial	USB(slim)	None	Win7 Pro64 (DG)	10/22/13
10AS002R++	3x4	i5-4430S	4GBx1	500G 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB(slim)	None	Win7 Pro64 (DG)	10/22/13
10AS002S++	3x4	i3-4130	4GBx1	1TB 7200	DVD±RW	None	Media	HD 4400	Parallel	Serial	USB	None	Win7 Pro64 (DG)	10/22/13
10AS002T++	3x4	i5-4430S	4GBx1	1TB 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB	None	Win7 Pro64 (DG)	10/22/13
10AS002U++	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	Media	HD 4400	Parallel	Serial	USB	None	Win7 Pro64 (DG)	10/22/13
10AS002V++	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	Media	HD 4400	Parallel	Serial	USB(slim)	None	Win7 Pro64 (DG)	10/22/13

Country Code"+-": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

● 1-year limited warranty

Positioning Processor	<i>Stylish design, reliability, and productivity for small/medium businesses</i> Intel® Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4430S Processor (4 cores / 4 threads, 2.7GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit	
Implementation			Ready to install applications (only some listed)	
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3* , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller		<ul style="list-style-type: none">● Rescue and Recovery™● Password Manager	
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display, works along with discrete graphics to support up to four independent monitors; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)</i> <i>Some: NVIDIA® GeForce® GT 620, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz</i>		Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Power Manager● ThinkVantage Device Experience● View Management Utility● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Message Center Plus● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™● Evernote®● Microsoft® Office preloaded; purchase a product key to activate● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Nitro Pro	
DP dongle	None			
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset			
Onboard SATA	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar			
eSATA port	None			
Media reader	Optional 9-in-1 media reader, internal USB 2.0			
Chipset	Intel H81 Express Chipset			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Two USB 3.0, two USB 2.0, optional serial (9-pin)*, optional parallel (25-pin)*, ethernet (RJ-45), VGA DB-15, DisplayPort <i>* Please see the detailed configuration on top</i>			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)			
PCIe WLAN	None			
Bluetooth	None			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
Speaker	Internal speaker for business audio			
IEEE 1394	None			
Ethernet	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN			
Manageability	None			
Modem	None			
Security chip	None			
Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo <i>Some:</i> Lenovo® Slim USB Keyboard (USB connector), black, Lenovo logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Power supply	180 watts, universal, autosensing			
Machine	<ul style="list-style-type: none">● Glossy black bezel; metal case● 6.3" W X 15.7" D X 15.6" H (with handle)● 160mm W X 400mm D X 397mm H● 16.5 lb (7.5 kg) in maximum configuration● Ergonomic rubberized handle● Highlighted optical drive button for easy access			
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 1.5", .35" high, access, optnl reader* Bay 4: 3.5", 1" high, no access, opt 2nd 2.5" disk** *bay only available on models with media reader installed **3.5" to 2.5" bracket comes with optional 2nd 2.5" disk			
Slot	Slot 1: half-length, full-height, PCI Express® 3.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1			
Limited Warranty¹	1-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		Security <ul style="list-style-type: none">● One lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● Individual USB port disablement	
			REENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies	



See footnotes for important warranty information

WE model(s) announced October 22, 2013

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(G-TLS1T-1) October 2013

ThinkCentre E73 Tower (10AS) - TopSeller - II

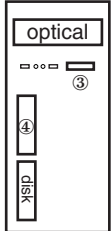
Product Specifications Reference (PSREF)

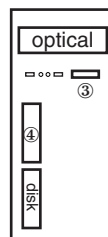
Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Parallel port	Serial port	Keyboard / mouse	Global	Preload	Ann date (mm/dd/yy)
10AS002W++	3x4	G3420	4GBx1	500G 7200	DVD±RW	None	Media	Intel HD	Parallel	Serial	USB	None	Win7 Pro64 (DG)	10/22/13
10AS002X++	3x4	G3220	4GBx1	1TB 7200	DVD±RW	None	Media	Intel HD	Parallel	Serial	USB	None	Win7 Pro64 (DG)	10/22/13
10AS002Y++	3x4	G3220	4GBx1	1TB 7200	DVD±RW	None	Media	Intel HD	Parallel	Serial	USB(slim)	None	Win7 Pro64 (DG)	10/22/13
10AS0030++	3x4	G3220	4GBx1	500G 7200	DVD±RW	None	Media	Intel HD	Parallel	Serial	USB(slim)	None	Win7 Pro64 (DG)	10/22/13
10AS0031++	3x4	G3420	4GBx1	500G 7200	DVD±RW	None	Media	Intel HD	Parallel	Serial	USB(slim)	None	Win7 Pro64 (DG)	10/22/13
10AS0032++	3x4	G3220	4GBx1	500G 7200	DVD±RW	None	Media	Intel HD	Parallel	Serial	USB	None	Win7 Pro64 (DG)	10/22/13
10AS005U++	3x4	i7-4770S	4GBx1	500G 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB	None	Win7 Pro64 (DG)	12/10/13
10AS005V++	3x4	i7-4770S	4GBx1	500G 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB(slim)	None	Win7 Pro64 (DG)	12/10/13

Country Code"+": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 1-year limited warranty

Positioning Processor	Stylish design, reliability, and productivity for small/medium businesses Intel® Pentium® G3220 Processor (2 cores / 2 threads , 3.0GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Pentium G3420 Processor (2 cores / 2 threads , 3.2GHz, 3MB cache), Intel HD Graphics, 1600MHz DDR3 memory controller Intel Core™ i7-4770S Processor (4 cores / 8 threads , 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Power Manager● ThinkVantage Device Experience● View Management Utility● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Message Center Plus● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™● Evernote®● Microsoft® Office preloaded; purchase a product key to activate● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Nitro Pro	
Implementation	Processor in LGA1150 socket			
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3* , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller			
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 2560x1600 (DisplayPort) @60Hz; 1920x1200 (VGA) @60Hz (Reduced Blanking)			
DP dongle	None			
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset			
Onboard SATA	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar			
eSATA port	None			
Media reader	Optional 9-in-1 media reader, internal USB 2.0			
Chipset	Intel H81 Express Chipset			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Two USB 3.0, two USB 2.0, optional serial (9-pin)*, optional parallel (25-pin)*, ethernet (RJ-45), VGA DB-15, DisplayPort <i>* Please see the detailed configuration on top</i>			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)			
PCIe WLAN	None			
Bluetooth	None			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
Speaker	Internal speaker for business audio			
IEEE 1394	None			
Ethernet	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN			
Manageability	None			
Modem	None			
Security chip	None			
Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo <i>Some:</i> Lenovo® Slim USB Keyboard (USB connector), black, Lenovo logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Power supply	180 watts, universal, autosensing			
Machine	<ul style="list-style-type: none">● Glossy black bezel; metal case● 6.3" W X 15.7" D X 15.6" H (with handle)● 160mm W X 400mm D X 397mm H● 16.5 lb (7.5 kg) in maximum configuration● Ergonomic rubberized handle● Highlighted optical drive button for easy access			
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 1.5", .35" high, access, optnl reader* Bay 4: 3.5", 1" high, no access, opt 2nd 2.5" disk** *bay only available on models with media reader installed **3.5" to 2.5" bracket comes with optional 2nd 2.5" disk			
Slot	Slot 1: half-length, full-height, PCI Express® 3.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1			
Limited Warranty¹	1-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies	



ThinkCentre E73 Tower (10AS) - TopSeller - III

Product Specifications Reference (PSREF)

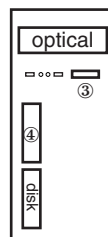
Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Parallel port	Serial port	Keyboard / mouse	Global	Preload	Ann date (mm/dd/yy)
10AS0033++	3x4	i5-4430S	4GBx1	500G 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB	None	None	10/22/13
10AS0034++	3x4	i5-4430S	4GBx1	500G 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB(slim)	None	None	10/22/13
10AS0035++	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	Media	HD 4400	Parallel	Serial	USB(slim)	None	None	10/22/13
10AS0036++	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	Media	HD 4400	Parallel	Serial	USB	None	None	10/22/13
10AS0037++	3x4	G3220	4GBx1	500G 7200	DVD±RW	None	Media	Intel HD	Parallel	Serial	USB	None	None	10/22/13
10AS0038++	3x4	G3220	4GBx1	500G 7200	DVD±RW	None	Media	Intel HD	Parallel	Serial	USB(slim)	None	None	10/22/13
10AS005Y++	3x4	i7-4770S	4GBx1	500G 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB(slim)	None	None	12/10/13
10AS0060++	3x4	i7-4770S	4GBx1	500G 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB	None	None	12/10/13

Country Code"+-": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 1-year limited warranty

Positioning	Stylish design, reliability, and productivity for small/medium businesses											Preloaded operating system		
Processor	Intel® Pentium® G3220 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4430S Processor (4 cores / 4 threads, 2.7GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket											No operating system		
Implementation	Processor in LGA1150 socket													
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3* , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller													
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)													
DP dongle	None													
Disk	Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm													
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive													
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset													
Onboard SATA	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar													
eSATA port	None													
Media reader	Optional 9-in-1 media reader, internal USB 2.0													
Chipset	Intel H81 Express Chipset													
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)													
Rear ports	Two USB 3.0, two USB 2.0, optional serial (9-pin)*, optional parallel (25-pin)*, ethernet (RJ-45), VGA DB-15, DisplayPort * Please see the detailed configuration on top													
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)													
PCIe WLAN	None													
Bluetooth	None													
Audio	High Definition (HD) Audio, Realtek® ALC662 codec													
Speaker	Internal speaker for business audio													
IEEE 1394	None													
Ethernet	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN													
Manageability	None													
Modem	None													
Security chip	None													
Keyboard	Some: Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo Some: Lenovo® Slim USB Keyboard (USB connector), black, Lenovo logo													
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo													
Power supply	180 watts, universal, autosensing													
Machine	<ul style="list-style-type: none"> • Glossy black bezel; metal case • 6.3" W X 15.7" D X 15.6" H (with handle) • 160mm W X 400mm D X 397mm H • 16.5 lb (7.5 kg) in maximum configuration • Ergonomic rubberized handle • Highlighted optical drive button for easy access 													
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 1.5", .35" high, access, optnl reader* Bay 4: 3.5", 1" high, no access, opt 2nd 2.5" disk** *bay only available on models with media reader installed **3.5" to 2.5" bracket comes with optional 2nd 2.5" disk													
Slot	Slot 1: half-length, full-height, PCI Express® 3.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1													
Limited Warranty ¹	1-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available													



Security

- One lock to secure both cover and entire system to fixed object:
 - Padlock loop (in rear for opt padlock)
 - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement

GREENGUARD® certified
RoHS-compliant

Supports ThinkVantage Technologies

See footnotes for important warranty information

WE model(s) announced October 22, 2013 or December 10, 2013

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(G-TLS1T-3) December 2013

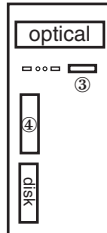
ThinkCentre E73 Tower (10AS) - TopSeller - IV

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Parallel port	Serial port	Keyboard / mouse	Cable lock	Warranty (year)	Preload	Ann date (mm/dd/yy)
10AS008D++	3x4	i7-4770S	8GBx1	1TB 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB(slim)	None	1-year	Win7 P64 DG Win8.1	03/18/14
10AS008E++	3x4	i7-4770S	8GBx1	1TB 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB	None	1-year	Win7 P64 DG Win8.1	03/18/14
10AS008F++	3x4	i7-4770S	8GBx1	128G SSD +500G 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB	Lock	3-year	Win7 P64 DG Win8.1	03/18/14
10AS008G++	3x4	i5-4430S	8GBx1	1TB 7200	DVD±RW	None	Media	GT 620	Parallel	Serial	USB(slim)	None	1-year	Win7 P64 DG Win8.1	03/25/14

Country Code"++": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)
 Note: models listed above might not be available in all WE countries

- Small and medium business (SMB) model(s), part of the Westen Europe TopSeller™ Program
- 1-year or 3-year limited warranty

Positioning Processor	Stylish design, reliability, and productivity for small/medium businesses Intel® Core™ i5-4430S Processor (4 cores / 4 threads, 2.7GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket			Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager			
Implementation							
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3* , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller						
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display, works along with discrete graphics to support up to four independent monitors; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)</i> <i>Some: NVIDIA® GeForce® GT 620, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz</i>						
DP dongle	None						
Disk	<i>Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm</i> <i>Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide</i>						
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive						
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset						
Onboard SATA	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar						
eSATA port	None						
Media reader	Optional 9-in-1 media reader, internal USB 2.0						
Chipset	Intel H81 Express Chipset						
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)						
Rear ports	Two USB 3.0, two USB 2.0, optional serial (9-pin)*, optional parallel (25-pin)*, ethernet (RJ-45), VGA DB-15, DisplayPort <i>* Please see the detailed configuration on top</i>						
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)						
PCIe WLAN	None						
Bluetooth	None						
Audio	High Definition (HD) Audio, Realtek® ALC662 codec						
Speaker	Internal speaker for business audio						
IEEE 1394	None						
Ethernet	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN						
Manageability	None						
Modem	None						
Security chip	None						
Keyboard	<i>Some: Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo</i> <i>Some: Lenovo® Slim USB Keyboard (USB connector), black, Lenovo logo</i>						
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo						
Power supply	180 watts, universal, autosensing						
Machine	<ul style="list-style-type: none">● Glossy black bezel; metal case● 6.3" W X 15.7" D X 15.6" H (with handle)● 160mm W X 400mm D X 397mm H● 16.5 lb (7.5 kg) in maximum configuration● Ergonomic rubberized handle● Highlighted optical drive button for easy access						
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 1.5", .35" high, access, optnl reader* Bay 4: 3.5", 1" high, no access, opt 2nd 2.5" disk** *bay only available on models with media reader installed **3.5" to 2.5" bracket comes with optional 2nd 2.5" disk						
Slot	Slot 1: half-length, full-height, PCI Express® 3.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1						
Limited Warranty¹	1-years or 3-year, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available						

Security <ul style="list-style-type: none">● One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)● Cable lock to physically lock both keyboard and mouse (optional)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● Individual USB port disablement
GREENGUARD® certified RoHS-compliant
Supports ThinkVantage Technologies

See footnotes for important warranty information
 WE model(s) announced March 18 or 25, 2014

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 (G-TLS1T-4) March 2014

ThinkCentre E73 Tower (10DR) - ES 6.0 (TopSeller)

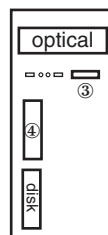
Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Parallel port	Serial port	Keyboard / mouse	Cable lock	Warranty (year)	Preload	Ann date (mm/dd/yy)
10DR0000++	3x4	i7-4770S	4GBx1	500G 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB(slim)	None	1-year	Win7 P64 DG Win8.1	05/06/14
10DR0001++	3x4	i7-4770S	4GBx1	500G 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB	None	1-year	Win7 P64 DG Win8.1	05/06/14
10DR0002++	3x4	i7-4770S	8GBx1	1TB 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB	None	1-year	Win7 P64 DG Win8.1	05/06/14
10DR0003++	3x4	i7-4770S	8GBx1	1TB 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB(slim)	None	1-year	Win7 P64 DG Win8.1	05/06/14
10DR0004++	3x4	i5-4440S	8GBx1	1TB 7200	DVD±RW	None	Media	GT 620	Parallel	Serial	USB(slim)	None	1-year	Win7 P64 DG Win8.1	05/06/14
10DR0005++	3x4	i5-4440S	4GBx1	1TB 7200	DVD±RW	None	Media	GT 620	Parallel	Serial	USB(slim)	None	1-year	Win7 P64 DG Win8.1	05/06/14
10DR0006++	3x4	i5-4440S	4GBx1	1TB 7200	DVD±RW	None	Media	GT 620	Parallel	Serial	USB	None	1-year	Win7 P64 DG Win8.1	05/06/14
10DR0007++	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	Media	HD 4400	Parallel	Serial	USB(slim)	None	1-year	Win7 P64 DG Win8.1	05/06/14

Country Code"+": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

Positioning	Stylish design, reliability, and productivity for small/medium businesses											Preloaded operating system			
Processor	Intel® Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4440S Processor (4 cores / 4 threads, 2.8GHz, 6MB cache), Turbo Boost 2.0 (3.3GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket											Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed)			
Implementation												<ul style="list-style-type: none"> Rescue and Recovery™ Password Manager 			
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3* , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller											Preloaded applications (only some listed)			
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display, works along with discrete graphics to support up to four independent monitors; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)</i> <i>Some: NVIDIA® GeForce® GT 620, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz</i>											<ul style="list-style-type: none"> ThinkVantage® Product Recovery ThinkVantage System Update ThinkVantage Communication Utility ThinkVantage Power Manager ThinkVantage Device Experience View Management Utility Lenovo Cloud Storage by SugarSync Lenovo Solution Center Lenovo Message Center Plus Norton™ Internet Security (30 days of virus definitions) Adobe® Reader® Skype™ Evernote® Microsoft® Office preloaded; purchase a product key to activate Cyberlink Power2Go (DVD±RW) Cyberlink PowerProducer (DVD±RW) Nitro Pro 			
DP dongle	None														
Disk	<i>Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm</i> <i>Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide</i>														
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive														
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset														
Onboard SATA	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar														
eSATA port	None														
Media reader	Optional 9-in-1 media reader, internal USB 2.0														
Chipset	Intel H81 Express Chipset														
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)														
Rear ports	Two USB 3.0, two USB 2.0, optional serial (9-pin)*, optional parallel (25-pin)*, ethernet (RJ-45), VGA DB-15, DisplayPort <i>* Please see the detailed configuration on top</i>														
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)														
PCIe WLAN	None														
Bluetooth	None														
Audio	High Definition (HD) Audio, Realtek® ALC662 codec														
Speaker	Internal speaker for business audio														
IEEE 1394	None														
Ethernet	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN														
Manageability	None														
Modem	None														
Security chip	None														
Keyboard	<i>Some: Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo</i> <i>Some: Lenovo® Slim USB Keyboard (USB connector), black, Lenovo logo</i>														
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo														
Power supply	280 watts, universal, autosensing, 85% PSU														
Machine	<ul style="list-style-type: none"> Glossy black bezel; metal case 6.3" W X 15.7" D X 15.6" H (with handle) 160mm W X 400mm D X 397mm H 16.5 lb (7.5 kg) in maximum configuration Ergonomic rubberized handle Highlighted optical drive button for easy access 														
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 1.5", .35" high, access, optnl reader* Bay 4: 3.5", 1" high, no access, opt 2nd 2.5" disk** *bay only available on models with media reader installed **3.5" to 2.5" bracket comes with optional 2nd 2.5" disk														
Slot	Slot 1: half-length, full-height, PCI Express® 3.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1														
Limited Warranty ¹	1-years or 3-year, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available											EPEAT™ Silver; ENERGY STAR® 6.0 GREENGUARD® certified RoHS-compliant ErP Lot 3 Supports ThinkVantage Technologies			



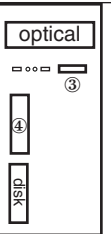
See footnotes for important warranty information

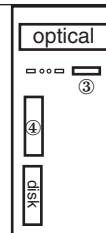
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ThinkCentre E73 Tower (10DR) - ES 6.0 (TopSeller) - II

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Parallel port	Serial port	Keyboard / mouse	Cable lock	Warranty (year)	Preload	Ann date (mm/dd/yy)
10DR000C++	3x4	G3220	4GBx1	500G 7200	DVD±RW	None	Media	Intel HD	Parallel	Serial	USB(slim)	None	1-year	Win7 P64 DG Win8.1	05/06/14
10DR000D++	3x4	i5-4440S	4GBx1	500G 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB(slim)	None	1-year	Win7 P64 DG Win8.1	05/06/14
10DR000E++	3x4	G3220	4GBx1	1TB 7200	DVD±RW	None	Media	Intel HD	Parallel	Serial	USB	None	1-year	Win7 P64 DG Win8.1	05/06/14
10DR000F++	3x4	i3-4130	4GBx1	1TB 7200	DVD±RW	None	Media	HD 4400	Parallel	Serial	USB	None	1-year	Win7 P64 DG Win8.1	05/06/14
10DR000G++	3x4	i5-4440S	4GBx1	1TB 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB	None	1-year	Win7 P64 DG Win8.1	05/06/14
10DR000H++	3x4	i3-4130	4GBx1	1TB 7200	DVD±RW	None	Media	HD 4400	Parallel	Serial	USB(slim)	None	1-year	Win7 P64 DG Win8.1	05/06/14
10DR000K++	3x4	G3220	4GBx1	500G 7200	DVD±RW	None	Media	Intel HD	Parallel	Serial	USB	None	1-year	Win7 P64 DG Win8.1	05/06/14
10DR000M++	3x4	G3220	4GBx1	1TB 7200	DVD±RW	None	Media	Intel HD	Parallel	Serial	USB(slim)	None	1-year	Win7 P64 DG Win8.1	05/06/14
10DR000P++	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	Media	HD 4400	Parallel	Serial	USB	None	1-year	Win7 P64 DG Win8.1	05/06/14
10DR000Q++	3x4	i5-4440S	4GBx1	1TB 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB(slim)	None	1-year	Win7 P64 DG Win8.1	05/06/14
10DR000R++	3x4	i5-4440S	4GBx1	500G 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB	None	1-year	Win7 P64 DG Win8.1	05/06/14

Positioning Processor	<i>Stylish design, reliability, and productivity for small/medium businesses</i> Intel® Pentium® G3220 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4440S Processor (4 cores / 4 threads, 2.8GHz, 6MB cache), Turbo Boost 2.0 (3.3GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket			Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Power Manager• ThinkVantage Device Experience• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Evernote®• Microsoft® Office preloaded; purchase a product key to activate• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Nitro Pro		
Implementation	Processor in LGA1150 socket					
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3* , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller					
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display, works along with discrete graphics to support up to four independent monitors; <i>Maximum resolution: 2560x1600 (DisplayPort) @60Hz;</i> 1920x1200 (VGA) @60Hz (Reduced Blanking) <i>Some: NVIDIA® Geforce® GT 620, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts;</i> <i>Max resolution: 2560x1600 (DisplayPort) @60Hz; 2048x1536 (VGA) @85Hz</i>					
DP dongle	None					
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide					
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive					
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset					
Onboard SATA	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar					
eSATA port	None					
Media reader	Optional 9-in-1 media reader, internal USB 2.0					
Chipset	Intel H81 Express Chipset					
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)					
Rear ports	Two USB 3.0, two USB 2.0, optional serial (9-pin)*, optional parallel (25-pin)*, ethernet (RJ-45), VGA DB-15, DisplayPort <i>* Please see the detailed configuration on top</i>					
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)					
PCIe WLAN	None					
Bluetooth	None					
Audio	High Definition (HD) Audio, Realtek® ALC662 codec					
Speaker	Internal speaker for business audio					
IEEE 1394	None					
Ethernet	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN					
Manageability	None					
Modem	None					
Security chip	None					
Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo <i>Some:</i> Lenovo® Slim USB Keyboard (USB connector), black, Lenovo logo					
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo					
Power supply	280 watts, universal, autosensing, 85% PSU					
Machine	<ul style="list-style-type: none">• Glossy black bezel; metal case• 6.3" W X 15.7" D X 15.6" H (with handle)• 160mm W X 400mm D X 397mm H• 16.5 lb (7.5 kg) in maximum configuration• Ergonomic rubberized handle• Highlighted optical drive button for easy access					
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 1.5", .35" high, access, optnl reader* Bay 4: 3.5", 1" high, no access, opt 2nd 2.5" disk** *bay only available on models with media reader installed **3.5" to 2.5" bracket comes with optional 2nd 2.5" disk					
Slot	Slot 1: half-length, full-height, PCI Express® 3.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1					
Limited Warranty¹	1-years or 3-year, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available			Security <ul style="list-style-type: none">• One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)• Cable lock to physically lock both keyboard and mouse (optional)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Individual USB port disablement EPEAT™ Silver; ENERGY STAR® 6.0 GREENGUARD® certified RoHS-compliant ErP Lot 3		
				Supports ThinkVantage Technologies		

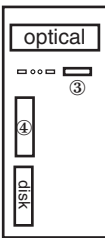


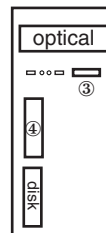
See footnotes for important warranty information

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ThinkCentre E73 Tower (10DR) - ES 6.0 (TopSeller) - III

Product Specifications Reference (PSREF)

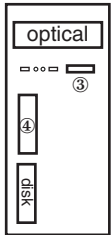
Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Parallel port	Serial port	Keyboard / mouse	Cable lock	Warranty (year)	Preload	Ann date (mm/dd/yy)
10DR000T++	3x4	i3-4150	4GBx1	500G 7200	DVD±RW	None	Media	HD 4400	Parallel	Serial	USB(slim)	None	1-year	Win7 P64 DG Win8.1	07/08/14
10DR000U++	3x4	G3240	4GBx1	1TB 7200	DVD±RW	None	Media	Intel HD	Parallel	Serial	USB(slim)	None	1-year	Win7 P64 DG Win8.1	07/08/14
10DR000V++	3x4	G3240	4GBx1	500G 7200	DVD±RW	None	Media	Intel HD	Parallel	Serial	USB(slim)	None	1-year	Win7 P64 DG Win8.1	07/08/14
10DR0011++	3x4	i7-4790S	8GBx1	1TB 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB(slim)	None	1-year	Win7 P64 DG Win8.1	07/08/14
10DR0013++	3x4	i7-4790S	4GBx1	500G 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB(slim)	None	1-year	Win7 P64 DG Win8.1	07/08/14
10DR0017++	3x4	i7-4790S	8GBx1	1TB 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB	None	1-year	Win7 P64 DG Win8.1	07/08/14
10DR0018++	3x4	i5-4460S	8GBx1	1TB 7200	DVD±RW	None	Media	GT 620	Parallel	Serial	USB(slim)	None	1-year	Win7 P64 DG Win8.1	07/08/14
10DR0019++	3x4	i5-4460S	4GBx1	1TB 7200	DVD±RW	None	Media	GT 620	Parallel	Serial	USB(slim)	None	1-year	Win7 P64 DG Win8.1	07/08/14
10DR001A++	3x4	i5-4460S	4GBx1	1TB 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB(slim)	None	1-year	Win7 P64 DG Win8.1	07/08/14
10DR001B++	3x4	i3-4150	4GBx1	1TB 7200	DVD±RW	None	Media	HD 4400	Parallel	Serial	USB(slim)	None	1-year	Win7 P64 DG Win8.1	07/08/14
Positioning Processor	Stylish design, reliability, and productivity for small/medium businesses Intel® Pentium® G3240 Processor (2 cores / 2 threads, 3.1GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i3-4150 Processor (2 cores / 4 threads, 3.5GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4460S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.4GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4790S Processor (4 cores / 8 threads, 3.2GHz, 8MB cache), Turbo Boost 2.0 (4.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket											Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) ● Rescue and Recovery™ ● Password Manager			
Implementation												Preloaded applications (only some listed)			
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3* , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller											● ThinkVantage® Product Recovery ● ThinkVantage System Update ● ThinkVantage Communication Utility ● ThinkVantage Power Manager ● ThinkVantage Device Experience ● View Management Utility ● Lenovo Cloud Storage by SugarSync ● Lenovo Solution Center ● Lenovo Message Center Plus ● Norton™ Internet Security (30 days of virus definitions) ● Adobe® Reader® ● Skype™ ● Evernote® ● Microsoft® Office preloaded; purchase a product key to activate ● Cyberlink Power2Go (DVD±RW) ● Cyberlink PowerProducer (DVD±RW) ● Nitro Pro			
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display, works along with discrete graphics to support up to four independent monitors; <i>Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)</i> <i>Some: NVIDIA® GeForce® GT 620, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz</i>														
DP dongle	None														
Disk	<i>Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm</i> <i>Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide</i>														
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive														
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset														
Onboard SATA	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar														
eSATA port	None														
Media reader	Optional 9-in-1 media reader, internal USB 2.0														
Chipset	Intel H81 Express Chipset														
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)														
Rear ports	Two USB 3.0, two USB 2.0, optional serial (9-pin)*, optional parallel (25-pin)*, ethernet (RJ-45), VGA DB-15, DisplayPort <i>* Please see the detailed configuration on top</i>														
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)														
PCIe WLAN	None														
Bluetooth	None														
Audio	High Definition (HD) Audio, Realtek® ALC662 codec														
Speaker	Internal speaker for business audio														
IEEE 1394	None														
Ethernet	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN														
Manageability	None														
Modem	None														
Security chip	None														
Keyboard	<i>Some: Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo</i> <i>Some: Lenovo® Slim USB Keyboard (USB connector), black, Lenovo logo</i>														
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo														
Power supply	280 watts, universal, autosensing, 85% PSU														
Machine	● Glossy black bezel; metal case ● 6.3" W X 15.7" D X 15.6" H (with handle) ● 160mm W X 400mm D X 397mm H ● 16.5 lb (7.5 kg) in maximum configuration ● Ergonomic rubberized handle ● Highlighted optical drive button for easy access														
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 1.5", .35" high, access, optnl reader* Bay 4: 3.5", 1" high, no access, opt 2nd 2.5" disk** *bay only available on models with media reader installed **3.5" to 2.5" bracket comes with optional 2nd 2.5" disk														
Slot	Slot 1: half-length, full-height, PCI Express® 3.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1														
Limited Warranty ¹	1-years or 3-year, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available											Security ● One lock to secure both cover and entire system to fixed object: -Padlock loop (in rear for opt padlock) -Security slot (in rear for optional Kensington® MicroSaver® cable) ● Cable lock to physically lock both keyboard and mouse (optional) ● Power-on password ● Administrator password ● Hard disk password ● Boot sequence control ● Boot without keyboard and mouse ● Individual USB port disablement EPEAT™ Silver; ENERGY STAR® 6.0 GREENGUARD® certified RoHS-compliant ErP Lot 3 Supports ThinkVantage Technologies			

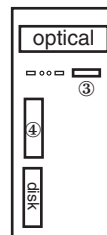


ThinkCentre E73 Tower (10DR) - ES 6.0 (TopSeller) - IV

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Parallel port	Serial port	Keyboard / mouse	Cable lock	Warranty (year)	Preload	Ann date (mm/dd/yy)
10DR001C++	3x4	i7-4790S	4GBx1	500G 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB	None	1-year	Win7 P64 DG Win8.1	07/08/14
10DR001D++	3x4	i5-4460S	4GBx1	1TB 7200	DVD±RW	None	Media	GT 620	Parallel	Serial	USB	None	1-year	Win7 P64 DG Win8.1	07/08/14
10DR001E++	3x4	i5-4460S	4GBx1	500G 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB(slim)	None	1-year	Win7 P64 DG Win8.1	07/08/14
10DR001F++	3x4	i5-4460S	4GBx1	1TB 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB	None	1-year	Win7 P64 DG Win8.1	07/08/14
10DR001G++	3x4	i5-4460S	4GBx1	500G 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB	None	1-year	Win7 P64 DG Win8.1	07/08/14
10DR001H++	3x4	i3-4150	4GBx1	1TB 7200	DVD±RW	None	Media	HD 4400	Parallel	Serial	USB	None	1-year	Win7 P64 DG Win8.1	07/08/14
10DR001J++	3x4	i3-4150	4GBx1	500G 7200	DVD±RW	None	Media	HD 4400	Parallel	Serial	USB	None	1-year	Win7 P64 DG Win8.1	07/08/14
10DR001K++	3x4	G3240	4GBx1	1TB 7200	DVD±RW	None	Media	Intel HD	Parallel	Serial	USB	None	1-year	Win7 P64 DG Win8.1	07/08/14
10DR001L++	3x4	G3240	4GBx1	500G 7200	DVD±RW	None	Media	Intel HD	Parallel	Serial	USB	None	1-year	Win7 P64 DG Win8.1	07/08/14

Positioning Processor	<i>Stylish design, reliability, and productivity for small/medium businesses</i> Intel® Pentium® G3240 Processor (2 cores / 2 threads, 3.1GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i3-4150 Processor (2 cores / 4 threads, 3.5GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4460S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.4GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4790S Processor (4 cores / 8 threads, 3.2GHz, 8MB cache), Turbo Boost 2.0 (4.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">• Rescue and Recovery™• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage® Product Recovery• ThinkVantage System Update• ThinkVantage Communication Utility• ThinkVantage Power Manager• ThinkVantage Device Experience• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Message Center Plus• Norton™ Internet Security (30 days of virus definitions)• Adobe® Reader®• Skype™• Evernote®• Microsoft® Office preloaded; purchase a product key to activate• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Nitro Pro	
Implementation	Processor in LGA1150 socket			
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3* , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller			
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display, works along with discrete graphics to support up to four independent monitors; <i>Maximum resolution:</i> 2560x1600 (DisplayPort) @60Hz; 1920x1200 (VGA) @60Hz (Reduced Blanking) <i>Some:</i> NVIDIA® Geforce® GT 620 , DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, one DisplayPort, 30 watts; <i>Max resolution:</i> 2560x1600 (DisplayPort) @60Hz; 2048x1536 (VGA) @85Hz			
DP dongle	None			
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide			
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive			
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset			
Onboard SATA	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar			
eSATA port	None			
Media reader	Optional 9-in-1 media reader, internal USB 2.0			
Chipset	Intel H81 Express Chipset			
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)			
Rear ports	Two USB 3.0, two USB 2.0, optional serial (9-pin)*, optional parallel (25-pin)*, ethernet (RJ-45), VGA DB-15, DisplayPort <i>* Please see the detailed configuration on top</i>			
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)			
PCIe WLAN	None			
Bluetooth	None			
Audio	High Definition (HD) Audio, Realtek® ALC662 codec			
Speaker	Internal speaker for business audio			
IEEE 1394	None			
Ethernet	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN			
Manageability	None			
Modem	None			
Security chip	None			
Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo <i>Some:</i> Lenovo® Slim USB Keyboard (USB connector), black, Lenovo logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Power supply	280 watts, universal, autosensing, 85% PSU			
Machine	<ul style="list-style-type: none">• Glossy black bezel; metal case• 6.3" W X 15.7" D X 15.6" H (with handle)• 160mm W X 400mm D X 397mm H• 16.5 lb (7.5 kg) in maximum configuration• Ergonomic rubberized handle• Highlighted optical drive button for easy access			
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 1.5", .35" high, access, optnl reader* Bay 4: 3.5", 1" high, no access, opt 2nd 2.5" disk** *bay only available on models with media reader installed **3.5" to 2.5" bracket comes with optional 2nd 2.5" disk			
Slot	Slot 1: half-length, full-height, PCI Express® 3.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1			
Limited Warranty¹	1-years or 3-year, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		Security <ul style="list-style-type: none">• One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)• Cable lock to physically lock both keyboard and mouse (optional)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Individual USB port disablement EPEAT™ Silver; ENERGY STAR® 6.0 GREENGUARD® certified RoHS-compliant ErP Lot 3 Supports ThinkVantage Technologies	



See footnotes for important warranty information

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(G-TLS1T-10) July 2014

ThinkCentre E73 Tower (10DR) - TopSeller

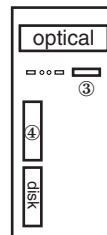
Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Parallel port	Serial port	Keyboard / mouse	Global	Preload	Ann date (mm/dd/yy)
10DR000++	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	Media	HD 4400	Parallel	Serial	USB	None	None	05/06/14
10DR0009++	3x4	i5-4440S	4GBx1	500G 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB	None	None	05/06/14
10DR000A++	3x4	G3220	4GBx1	500G 7200	DVD±RW	None	Media	Intel HD	Parallel	Serial	USB	None	None	05/06/14
10DR000B++	3x4	i5-4440S	4GBx1	500G 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB(slim)	None	None	05/06/14
10DR000J++	3x4	i3-4130	4GBx1	500G 7200	DVD±RW	None	Media	HD 4400	Parallel	Serial	USB(slim)	None	None	05/06/14
10DR000L++	3x4	i7-4770S	4GBx1	500G 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB	None	None	05/06/14
10DR000N++	3x4	i7-4770S	4GBx1	500G 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB(slim)	None	None	05/06/14
10DR000S++	3x4	G3220	4GBx1	500G 7200	DVD±RW	None	Media	Intel HD	Parallel	Serial	USB(slim)	None	None	05/06/14

Country Code"+": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)
 Note: models listed above might not be available in all WE countries

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 1-year limited warranty

Positioning Processor	Stylish design, reliability, and productivity for small/medium businesses Intel® Pentium® G3220 Processor (2 cores / 2 threads, 3.0GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4440S Processor (4 cores / 4 threads, 2.8GHz, 6MB cache), Turbo Boost 2.0 (3.3GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket			Preloaded operating system No operating system		
Implementation						
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3* , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller					
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display; <i>Maximum resolution:</i> 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)					
DP dongle	None					
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm					
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive					
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset					
Onboard SATA	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar					
eSATA port	None					
Media reader	Optional 9-in-1 media reader, internal USB 2.0					
Chipset	Intel H81 Express Chipset					
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)					
Rear ports	Two USB 3.0, two USB 2.0, optional serial (9-pin)*, optional parallel (25-pin)*, ethernet (RJ-45), VGA DB-15, DisplayPort <i>* Please see the detailed configuration on top</i>					
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)					
PCIe WLAN	None					
Bluetooth	None					
Audio	High Definition (HD) Audio, Realtek® ALC662 codec					
Speaker	Internal speaker for business audio					
IEEE 1394	None					
Ethernet	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN					
Manageability	None					
Modem	None					
Security chip	None					
Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo <i>Some:</i> Lenovo® Slim USB Keyboard (USB connector), black, Lenovo logo					
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo					
Power supply	280 watts, universal, autosensing, 85% PSU					
Machine	<ul style="list-style-type: none">● Glossy black bezel; metal case● 6.3" W X 15.7" D X 15.6" H (with handle)● 160mm W X 400mm D X 397mm H● 16.5 lb (7.5 kg) in maximum configuration● Ergonomic rubberized handle● Highlighted optical drive button for easy access					
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 1.5", .35" high, access, optnl reader* Bay 4: 3.5", 1" high, no access, opt 2nd 2.5" disk** *bay only available on models with media reader installed **3.5" to 2.5" bracket comes with optional 2nd 2.5" disk					
Slot	Slot 1: half-length, full-height, PCI Express® 3.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1					
Limited Warranty¹	1-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available					
						
Security <ul style="list-style-type: none">● One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● Individual USB port disablement						
GREENGUARD® certified RoHS-compliant ErP Lot 3						
Supports ThinkVantage Technologies						



See footnotes for important warranty information

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(G-TLS1T-7) May 2014

ThinkCentre E73 Tower (10DR) - TopSeller - II

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Graphics	Parallel port	Serial port	Keyboard / mouse	Global	Preload	Ann date (mm/dd/yy)
10DR000W++	3x4	i7-4790S	4GBx1	500G 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB(slim)	None	None	06/24/14
10DR000X++	3x4	i5-4460S	4GBx1	500G 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB(slim)	None	None	06/24/14
10DR000Y++	3x4	i3-4150	4GBx1	500G 7200	DVD±RW	None	Media	HD 4400	Parallel	Serial	USB(slim)	None	None	06/24/14
10DR0010++	3x4	G3240	4GBx1	500G 7200	DVD±RW	None	Media	Intel HD	Parallel	Serial	USB(slim)	None	None	06/24/14
10DR0012++	3x4	G3240	4GBx1	500G 7200	DVD±RW	None	Media	Intel HD	Parallel	Serial	USB	None	None	06/24/14
10DR0014++	3x4	i3-4150	4GBx1	500G 7200	DVD±RW	None	Media	HD 4400	Parallel	Serial	USB	None	None	06/24/14
10DR0015++	3x4	i7-4790S	4GBx1	500G 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB	None	None	06/24/14
10DR0016++	3x4	i5-4460S	4GBx1	500G 7200	DVD±RW	None	Media	HD 4600	Parallel	Serial	USB	None	None	06/24/14

Country Code"+": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

- Small and medium business (SMB) model(s), part of the Westen Europe TopSeller™ Program
- 1-year limited warranty

Positioning	Stylish design, reliability, and productivity for small/medium businesses		Preloaded operating system No operating system
Processor	Intel® Pentium® G3240 Processor (2 cores / 2 threads, 3.1GHz, 3MB cache), Intel HD Graphics, 1333MHz DDR3 memory controller Intel Core™ i3-4150 Processor (2 cores / 4 threads, 3.5GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4460S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.4GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i7-4790S Processor (4 cores / 8 threads, 3.2GHz, 8MB cache), Turbo Boost 2.0 (4.0GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket		
Implementation			
Memory	16GB max, UDIMM, PC3-12800 1600MHz DDR3* , two 240-pin DIMM sockets *System automatically clocks down for processors with 1333MHz memory controller		
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)		
DP dongle	None		
Disk	Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm		
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive		
SATA controller	Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset		
Onboard SATA	SATA cables match SATA devices (each 1-drop to device), one SATA 3.0Gb/s connector (for optical) and two SATA 6.0Gb/s connectors (for HDD/SSD) on planar		
eSATA port	None		
Media reader	Optional 9-in-1 media reader, internal USB 2.0		
Chipset	Intel H81 Express Chipset		
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)		
Rear ports	Two USB 3.0, two USB 2.0, optional serial (9-pin)*, optional parallel (25-pin)*, ethernet (RJ-45), VGA DB-15, DisplayPort * Please see the detailed configuration on top		
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stereo, 3.5mm)		
PCIe WLAN	None		
Bluetooth	None		
Audio	High Definition (HD) Audio, Realtek® ALC662 codec		
Speaker	Internal speaker for business audio		
IEEE 1394	None		
Ethernet	Gigabit ethernet port, Realtek RTL8111GN, Wake on LAN		
Manageability	None		
Modem	None		
Security chip	None		
Keyboard	Some: Preferred Pro USB Keyboard (USB connector), black, Lenovo® logo Some: Lenovo® Slim USB Keyboard (USB connector), black, Lenovo logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Power supply	280 watts, universal, autosensing, 85% PSU		
Machine	<ul style="list-style-type: none">• Glossy black bezel; metal case• 6.3" W X 15.7" D X 15.6" H (with handle)• 160mm W X 400mm D X 397mm H• 16.5 lb (7.5 kg) in maximum configuration• Ergonomic rubberized handle• Highlighted optical drive button for easy access		
Bay	Bay 1: 5.25", 1.6" high, access, std optical Bay 2: 3.5", 1" high, no access, std disk Bay 3: 1.5", .35" high, access, optnl reader* Bay 4: 3.5", 1" high, no access, opt 2nd 2.5" disk** *bay only available on models with media reader installed **3.5" to 2.5" bracket comes with optional 2nd 2.5" disk		
Slot	Slot 1: half-length, full-height, PCI Express® 3.0 x16 (60w max) Slot 2: half-length, full-height, PCIe 2.0 x1 Slot 3: half-length, full-height, PCIe 2.0 x1		
Limited Warranty¹	1-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		

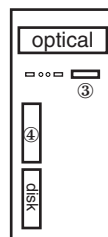
optical

③

④

disk

Security	
<ul style="list-style-type: none">• One lock to secure both cover and entire system to fixed object:<ul style="list-style-type: none">-Padlock loop (in rear for opt padlock)-Security slot (in rear for optional Kensington® MicroSaver® cable)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Individual USB port disablement	
GREENGUARD® certified	
RoHS-compliant	
ErP Lot 3	
Supports ThinkVantage Technologies	



Security

- One lock to secure both cover and entire system to fixed object:
 - Padlock loop (in rear for opt padlock)
 - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement

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See footnotes for important warranty information

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(G-TLS1T-8) July 2014



ThinkCentre E93z with Frame Stand



ThinkCentre E93z with Monitor Stand



ThinkCentre E93z with Frame Stand



ThinkCentre E93z with Monitor Stand



ThinkCentre E93z with Frame Stand



ThinkCentre E93z with Monitor Stand

ThinkCentre E93z All-In-One II

ThinkCentre®



ThinkCentre E93z with UltraFlex Stand



ThinkCentre E93z with UltraFlex Stand



ThinkCentre E93z with UltraFlex Stand



ThinkCentre E93z with UltraFlex Stand
with optional wireless mouse / keyboard
and Lenovo ThinkVision Monitor



ThinkCentre E93z with UltraFlex Stand



ThinkCentre E93z (handle)

ThinkCentre E93z (10B8) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Pro-processor	Memory ^a	Wide-screen display	Multi-Touch	Camera (mega-pixel)	Disk SATA GB rpm	SATA optical	Graphics	PCIe Mini Card	Media reader	Stand type	Key-board/Mouse	Global	Preload	Ann date (mm/dd/yy)
10B8003T++	i5-4430S	4GBx1	21.5" FHD	None	2.0M	500G Hybrid	DVD±RW	HD 4600	N2230	Media	Frame	2.4G	None	Win7 Pro64 DG	08/27/13
10B8003U++	i5-4430S	4GBx1	21.5" FHD	None	2.0M	128G SSD	DVD±RW	HD 4600	N2230	Media	Frame	2.4G	None	Win7 Pro64 DG	08/27/13
10B80043++	i3-4130	4GBx1	21.5" FHD	None	2.0M	500G Hybrid	DVD±RW	HD 4400	N2230	Media	Frame	2.4G	None	Win7 Pro64 DG	09/10/13
10B8007Q++	i3-4150	4GBx1	21.5" FHD	None	2.0M	1TB Hybrid	DVD±RW	HD 4400	7260 ac	Media	UltraFlex	2.4G	None	Win7 P64 DG Win8.1	07/15/14
10B8007R++	i5-4460S	4GBx1	21.5" FHD	None	2.0M	128G SSD	DVD±RW	HD 4600	7260 ac	Media	Frame	2.4G	None	Win7 P64 DG Win8.1	07/15/14
10B8007P++	i5-4460S	4GBx1	21.5" FHD	None	2.0M	500G Hybrid	DVD±RW	HD 4600	7260 ac	Media	UltraFlex	2.4G	None	Win7 P64 DG Win8.1	07/15/14

Country Code "++": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

Positioning Processor	Premium All-In-One PC for the enterprise Intel® Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i3-4150 Processor (2 cores / 4 threads, 3.5GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4430S Processor (4 cores / 4 threads, 2.7GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4460S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.4GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket										Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) • Rescue and Recovery™ • Password Manager Preloaded applications (only some listed) • ThinkVantage® Product Recovery • ThinkVantage System Update • ThinkVantage Communication Utility • ThinkVantage Device Experience • ThinkVantage AutoLock • Desktop Power Manager • View Management Utility • Lenovo Cloud Storage by SugarSync • Lenovo Solution Center • Lenovo Message Center Plus • Norton™ Internet Security (30 days of virus definitions) • Adobe® Reader® • Skype™ • Microsoft Office preloaded; purchase a product key to activate • Cyberlink PowerDVD (DVD±RW, DVD) • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) • Evernote • Lenovo Solutions for Small Business • Nitro Pro					
Implementation	Processor in LGA1150 socket															
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)															
Graphics	Intel HD Graphics 4400/4600 in processor, uses main memory, DirectX® 11.1, external digital monitor support via HDMI, supports dual independent display; <i>Max resolution:</i> 1920x1080 (panel)@60Hz; 1920x1200 (HDMI)@60Hz 21.5" (546.1mm) Full HD 1080p (1920x1080) TFT color , wide viewing angle (+/- 85°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, infinity display, work as standalone monitor via HDMI-in connector															
Display																
Light sensor	None															
Multi-touch	None															
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off															
Controls	Monitor mode / computer mode button, volume up/down buttons, and power button															
Disk	<i>Some:</i> 500GB (5400 rpm) or 1TB (7200 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector and one SATA 3.0Gb/s connector on planar															
Optical	Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector and one SATA 3.0Gb/s connector on planar															
Onboard SATA	Optional 11-in-1 media card reader															
Media reader																
Chipset	Intel B85 Express Chipset															
Rear ports	Four USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in															
Side ports	Two USB 3.0 (one Always On USB 3.0), one headphone / microphone combo jack (stereo, 3.5mm), one optional media card reader															
PCIe Mini Card	Two PCI Express® Mini Card slots															
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, Intel Centrino® Wireless-N 2230, Wi-Fi + BT4.0 combo, 2x2 <i>Some:</i> 11ac/a/b/g/n wireless, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT4.0, 2x2 Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter															
Bluetooth																
Ethernet	One gigabit ethernet port, Intel I217-V, Wake on LAN®															
Audio support	High Definition (HD) Audio, Realtek ALC283CG / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified															
Intel AMT	None															
Security chip	None															
Keyboard	Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black															
Mouse	Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black															
Power supply	150 watts, autosensing, 85% PSU															
Color	Business black color															
VESA mount	Support VESA mount (100mm)															
Dimensions and weight (without stand)	<i>Non-touch models (WxDxH):</i> 21.02" X 1.91" X 15.20"; 534mm X 48.5mm X 386 mm 14.55 lb (6.6 kg) in maximum configuration <i>Touch models (WxDxH):</i> 21.02" X 1.95" X 15.20"; 534mm X 49.6mm X 386 mm 16.31 lb (7.4 kg) in maximum configuration															
Stand	<i>Optional Frame Stand:</i> Adjustable between 10° and 65° (Tilt) <i>Optional Monitor Stand:</i> Adjustable between -5° and 45° (Tilt) <i>Optional UltraFlex Stand:</i> Tilt: 65° back, 0° forward; Lift: 110mm; Swivel: +/-90°; supports recline mode (from an upright position to an angled plane) and cable management															
Limited Warranty	1-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available										Security • Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) • Power-on password • Administrator password • Hard disk password • Boot sequence control • Boot without keyboard and mouse • Individual USB port disablement ENERGY STAR® 6.0-compliant EuP 2013 GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies					

See footnotes for important warranty information

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(G-TRPL1-1) July 2014

ThinkCentre E93z (10B8) - TopSeller (3-year Onsite)

Product Specifications Reference (PSREF)

Type-model	Pro-processor	Memory ^a	Wide-screen display	Multi-Touch	Camera (mega-pixel)	Disk SATA GB rpm	SATA optical	Graphics	PCIe Mini Card Media reader	Stand type	Key-board/Mouse	Preload	Ann date (mm/dd/yy)
10B80053++	i3-4130	4GBx1	21.5" FHD	None	2.0M	500G Hybrid	DVD±RW	HD 4400	N2230	Media	Monitor	USB(slim)	Win7 Pro64 DG 09/24/13

Country Code"+": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 3-year limited warranty

Positioning Processor	Premium All-In-One PC for the enterprise Intel® Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller		Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Device Experience● ThinkVantage AutoLock● Desktop Power Manager● View Management Utility● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Message Center Plus● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™● Microsoft Office preloaded; purchase a product key to activate● Cyberlink PowerDVD (DVD±RW, DVD)● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Evernote● Lenovo Solutions for Small Business● Nitro Pro
Implementation	Processor in LGA1150 socket		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Graphics	Intel HD Graphics 4400/4600 in processor, uses main memory, DirectX® 11.1, external digital monitor support via HDMI, supports dual independent display; <i>Max resolution:</i> 1920x1080 (panel) @60Hz; 1920x1080 (HDMI) @60Hz		
Display	21.5" (546.1mm) Full HD 1080p (1920x1080) TFT color , wide viewing angle (+/- 85°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, infinity display, work as standalone monitor via HDMI-in connector		
Light sensor	None		
Multi-touch	None		
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off		
Controls	Monitor mode / computer mode button, volume up/down buttons, and power button		
Disk	<i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector and one SATA 3.0Gb/s connector on planar		
Media reader	Optional 11-in-1 media card reader		
Chipset	Intel B85 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in		
Side ports	Two USB 3.0 (one Always On USB 3.0), one headphone / microphone combo jack (stereo, 3.5mm), one optional media card reader		
PCIe Mini Card	Two PCI Express® Mini Card slots		
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Intel I217-V, Wake on LAN®		
Audio support	High Definition (HD) Audio, Realtek ALC283CG / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified		
Intel AMT	None		
Security chip	None		
Keyboard	Lenovo® Slim New F5 USB Keyboard (USB connector), black		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Power supply	150 watts, autosensing, 85% PSU		
Color	Business black color		
VESA mount	Support VESA mount (100mm)		
Dimensions and weight (without stand)	<i>Non-touch models (WxDxH):</i> 21.02" X 1.91" X 15.20"; 534mm X 48.5mm X 386 mm 14.55 lb (6.6 kg) in maximum configuration <i>Touch models (WxDxH):</i> 21.02" X 1.95" X 15.20"; 534mm X 49.6mm X 386 mm 16.31 lb (7.4 kg) in maximum configuration		
Stand	<i>Optional Frame Stand:</i> Adjustable between 10° and 65° (Tilt) <i>Optional Monitor Stand:</i> Adjustable between -5° and 45° (Tilt) <i>Optional UltraFlex Stand:</i> Tilt: 65° back, 0° forward; Lift: 110mm; Swivel: +/-90°; supports recline mode (from an upright position to an angled plane) and cable management		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		
Security <ul style="list-style-type: none">● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● Individual USB port disablement			
ENERGY STAR® 6.0-compliant EuP 2013 GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies			

See footnotes for important warranty information
WE model(s) announced September 24, 2013

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ThinkCentre E93z (10B8) - TopSeller (3-year Onsite) - Win8

Product Specifications Reference (PSREF)

Type-model	Pro-cessor	Memory ^a	Wide-screen display	Multi-Touch	Camera (mega-pixel)	Disk SATA GB rpm	SATA optical	Graphics	PCIe Mini Card WLAN	Media reader	Stand type	Key-board/Mouse	Preload	Ann date (mm/dd/yy)
10B80048++	G3420	4GBx1	21.5" FHD	None	2.0M	500G Hybrid	DVD±RW	Intel HD	N2230	Media	Frame	USB	Win8 Pro64	09/24/13
10B80049++	i3-4130	4GBx1	21.5" FHD	None	2.0M	500G Hybrid	DVD±RW	HD 4400	N2230	Media	UltraFlex	USB	Win8 64	09/24/13

Country Code"++": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 3-year limited warranty

Positioning Processor	<i>Premium All-In-One PC for the enterprise</i> Intel® Pentium® G3420 Processor (2 cores / 2 threads, 3.2GHz, 3MB cache), Intel HD Graphics, 1600MHz DDR3 memory controller Intel Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Processor in LGA1150 socket		Preloaded operating system <i>Some:</i> Windows® 8 64-bit <i>Some:</i> Windows® 8 Pro 64-bit Web install applications (only some listed) <ul style="list-style-type: none">• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage System Update• ThinkVantage AutoLock• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Support• Lenovo Companion• Norton Internet Security (30 days of virus definitions)• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote®• Lenovo Solutions for Small Business• Nitro Pro• AccuWeather• Norton™ Studio
Implementation	Processor in LGA1150 socket		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, external digital monitor support via HDMI, supports dual independent display; <i>Max resolution:</i> 1920x1080 (panel)@60Hz; 1920x1080 (HDMI)@60Hz		
Display	21.5" (546.1mm) Full HD 1080p (1920x1080) TFT color , wide viewing angle (+/- 85°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, infinity display, work as standalone monitor via HDMI-in connector		
Light sensor	None		
Multi-touch	None		
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off		
Controls	Monitor mode / computer mode button, volume up/down buttons, and power button		
Disk	<i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector and one SATA 3.0Gb/s connector on planar		
Media reader	Optional 11-in-1 media card reader		
Chipset	Intel B85 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in		
Side ports	Two USB 3.0 (one Always On USB 3.0), one headphone / microphone combo jack (stereo, 3.5mm), one optional media card reader		
PCIe Mini Card	Two PCI Express® Mini Card slots		
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Intel I217-V, Wake on LAN®		
Audio support	High Definition (HD) Audio, Realtek ALC283CG / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified		
Intel AMT	None		
Security chip	None		
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Power supply	150 watts, autosensing, 85% PSU		
Color	Business black color		
VESA mount	Support VESA mount (100mm)		
Dimensions and weight (without stand)	<i>Non-touch models (WxDxH):</i> 21.02" X 1.91" X 15.20"; 534mm X 48.5mm X 386 mm		
	14.55 lb (6.6 kg) in maximum configuration		
	<i>Touch models (WxDxH):</i> 21.02" X 1.95" X 15.20"; 534mm X 49.6mm X 386 mm		
	16.31 lb (7.4 kg) in maximum configuration		
Stand	<i>Optional Frame Stand:</i> Adjustable between 10° and 65° (Tilt)		
	<i>Optional Monitor Stand:</i> Adjustable between -5° and 45° (Tilt)		
	<i>Optional UltraFlex Stand:</i> Tilt: 65° back, 0° forward; Lift: 110mm; Swivel: +/-90°; supports recline mode (from an upright position to an angled plane) and cable management		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		
Security <ul style="list-style-type: none">• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Individual USB port disablement			
ENERGY STAR® 6.0-compliant EuP 2013 GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies			

See footnotes for important warranty information
WE model(s) announced September 24, 2013

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ThinkCentre E93z (10B9) - NVIDIA (TopSeller)

Product Specifications Reference (PSREF)

Type-model	Pro-cessor	Memory ⁸	Wide-screen display	Multi-Touch	Camera (mega-pixel)	Disk SATA GB rpm	SATA optical	Graphics	PCIe Mini Card Media reader	Stand type	Key-board/Mouse Global	Preload	Ann date (mm/dd/yy)	
10B9000X++	i5-4430S	4GBx1	21.5" FHD	None	2.0M	500G Hybrid	DVD±RW	GT 720A	N2230	Media	Monitor	2.4G	None	Win7 Pro64 DG 08/27/13
10B90013++	i3-4130	4GBx1	21.5" FHD	None	2.0M	500G Hybrid	DVD±RW	GT 720A	N2230	Media	Frame	2.4G	None	Win7 Pro64 DG 09/10/13

Country Code "++": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 1-year limited warranty

Positioning Processor	Premium All-In-One PC for the enterprise Intel® Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4430S Processor (4 cores / 4 threads, 2.7GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller		Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Device Experience● ThinkVantage AutoLock● Desktop Power Manager● View Management Utility● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Message Center Plus● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™● Microsoft Office preloaded; purchase a product key to activate● Cyberlink PowerDVD (DVD±RW, DVD)● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Evernote● Lenovo Solutions for Small Business● Nitro Pro
Implementation	Processor in LGA1150 socket		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4400/4600 in processor, and NVIDIA GeForce® GT 720A , PCI Express® x16, 1GB memory, DirectX® 11, external digital monitor support via HDMI, supports dual independent display; <i>Max resolution:</i> 1920x1080 (panel)@60Hz; 1920x1080 (HDMI)@60Hz		
Display	21.5" (546.1mm) Full HD 1080p (1920x1080) TFT color , wide viewing angle (+/- 85°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, infinity display, work as standalone monitor via HDMI-in connector		
Light sensor	None		
Multi-touch	None		
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off		
Controls	Monitor mode / computer mode button, volume up/down buttons, and power button		
Disk	500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector and one SATA 3.0Gb/s connector on planar		
Media reader	Optional 11-in-1 media card reader		
Chipset	Intel B85 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in		
Side ports	Two USB 3.0 (one Always On USB 3.0), one headphone / microphone combo jack (stereo, 3.5mm), one optional media card reader		
PCIe Mini Card	Two PCI Express® Mini Card slots		
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Intel I217-V, Wake on LAN®		
Audio support	High Definition (HD) Audio, Realtek ALC283CG / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified		
Intel AMT	None		
Security chip	None		
Keyboard	Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black		
Mouse	Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black		
Power supply	180 watts, autosensing, 92% PSU		
Color	Business black color		
VESA mount	Support VESA mount (100mm)		
Dimensions and weight (without stand)	<i>Non-touch models (WxDxH):</i>	21.02" X 1.91" X 15.20"; 534mm X 48.5mm X 386 mm 14.55 lb (6.6 kg) in maximum configuration	
	<i>Touch models (WxDxH):</i>	21.02" X 1.95" X 15.20"; 534mm X 49.6mm X 386 mm 16.31 lb (7.4 kg) in maximum configuration	
Stand	<i>Optional Frame Stand:</i>	Adjustable between 10° and 65° (Tilt)	
	<i>Optional Monitor Stand:</i>	Adjustable between -5° and 45° (Tilt)	
	<i>Optional UltraFlex Stand:</i>	Tilt: 65° back, 0° forward; Lift: 110mm; Swivel: +/-90°; supports recline mode (from an upright position to an angled plane) and cable management	
Limited Warranty	1-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		

See footnotes for important warranty information

WE model(s) announced August 27, 2013 or September 10, 2013

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(G-TRPL1-2) September 2013

ThinkCentre E93z (10B9) - NVIDIA (TopSeller) - 3-year (Win8)

Product Specifications Reference (PSREF)

Type-model	Pro-cessor	Memory ⁸	Wide-screen display	Multi-Touch	Camera (mega-pixel)	Disk SATA GB rpm	SATA optical	Graphics	PCIe Mini Card Media reader	Stand type	Key-board/Mouse Global	Preload	Ann date (mm/dd/yy)		
10B90015++	i3-4130	4GBx1	21.5" FHD	None	2.0M	500G Hybrid	DVD±RW	GT 720A	N2230	Media	UltraFlex	USB	None	Win8 64	09/24/13

Country Code "+-": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)
 Note: models listed above might not be available in all WE countries

- Small and medium business (SMB) model(s), part of the Westen Europe TopSeller™ Program
- 3-year limited warranty

Positioning Processor	Premium All-In-One PC for the enterprise Intel® Core™ i3-4130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller		Preloaded operating system Windows® 8 64-bit Web install applications (only some listed) <ul style="list-style-type: none">• Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">• ThinkVantage System Update• ThinkVantage AutoLock• Desktop Power Manager• View Management Utility• Lenovo Cloud Storage by SugarSync• Lenovo Solution Center• Lenovo Support• Lenovo Companion• Norton Internet Security (30 days of virus definitions)• Skype™• Microsoft Office preloaded; purchase a product key to activate• Cyberlink PowerDVD (DVD±RW, DVD)• Cyberlink Power2Go (DVD±RW)• Cyberlink PowerProducer (DVD±RW)• Evernote®• Lenovo Solutions for Small Business• Nitro Pro• AccuWeather• Norton™ Studio
Implementation	Processor in LGA1150 socket		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4400/4600 in processor, and NVIDIA GeForce® GT 720A , PCI Express® x16, 1GB memory, DirectX® 11, external digital monitor support via HDMI, supports dual independent display; <i>Max resolution:</i> 1920x1080 (panel) @60Hz; 1920x1080 (HDMI) @60Hz 21.5" (546.1mm) Full HD 1080p (1920x1080) TFT color , wide viewing angle (+/- 85°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, infinity display, work as standalone monitor via HDMI-in connector		
Display			
Light sensor	None		
Multi-touch	None		
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off		
Controls	Monitor mode / computer mode button, volume up/down buttons, and power button		
Disk	500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide		
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector and one SATA 3.0Gb/s connector on planar		
Media reader	Optional 11-in-1 media card reader		
Chipset	Intel B85 Express Chipset		
Rear ports	Four USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in		
Side ports	Two USB 3.0 (one Always On USB 3.0), one headphone / microphone combo jack (stereo, 3.5mm), one optional media card reader		
PCIe Mini Card	Two PCI Express® Mini Card slots		
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter		
Ethernet	One gigabit ethernet port, Intel I217-V, Wake on LAN®		
Audio support	High Definition (HD) Audio, Realtek ALC283CG / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified		
Intel AMT	None		
Security chip	None		
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo		
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo		
Power supply	180 watts, autosensing, 92% PSU		
Color	Business black color		
VESA mount	Support VESA mount (100mm)		
Dimensions and weight (without stand)	<i>Non-touch models (WxDxH):</i> 21.02" X 1.91" X 15.20"; 534mm X 48.5mm X 386 mm 14.55 lb (6.6 kg) in maximum configuration		
	<i>Touch models (WxDxH):</i> 21.02" X 1.95" X 15.20"; 534mm X 49.6mm X 386 mm 16.31 lb (7.4 kg) in maximum configuration		
Stand	<i>Optional Frame Stand:</i> Adjustable between 10° and 65° (Tilt)		
	<i>Optional Monitor Stand:</i> Adjustable between -5° and 45° (Tilt)		
	<i>Optional UltraFlex Stand:</i> Tilt: 65° back, 0° forward; Lift: 110mm; Swivel: +/-90°; supports recline mode (from an upright position to an angled plane) and cable management		
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		

Security <ul style="list-style-type: none">• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)• Power-on password• Administrator password• Hard disk password• Boot sequence control• Boot without keyboard and mouse• Individual USB port disablement
ENERGY STAR® 6.0-compliant
EuP 2013
GREENGUARD® certified
RoHS-compliant
Supports ThinkVantage Technologies

See footnotes for important warranty information
 WE model(s) announced September 24, 2013

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 (G-TRPL1-8) October 2013

ThinkCentre E93z (10CX) - Touch (TopSeller) - Windows 8.1

Product Specifications Reference (PSREF)

Type-model	Pro-processor	Memory ^a	Wide-screen display	Multi-Touch	Camera (mega-pixel)	Disk SATA GB rpm	SATA optical	Graphics	PCIe Mini Card WLAN	Media reader	Stand type	Key-board/Mouse	Warranty (Year)	Preload	Ann date (mm/dd/yy)
10CX001G++	i3-4150	4GBx1	21.5" FHD	Touch	2.0M	500G Hybrid	DVD±RW	HD 4400	7260 b/g/n	Media	Frame	2.4G	1-onsite	Win8.1 Pro64	07/15/14
10CX001H++	i5-4460S	4GBx1	21.5" FHD	Touch	2.0M	500G Hybrid	DVD±RW	HD 4600	7260 b/g/n	Media	UltraFlex	2.4G	1-onsite	Win8.1 Pro64	07/15/14

Country Code"+": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)
 Note: models listed above might not be available in all WE countries

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 1-year limited warranty

Positioning	<i>Premium All-In-One PC for the enterprise</i>										Preloaded operating system				
Processor	Intel® Core™ i3-4150 Processor (2 cores / 4 threads, 3.5GHz, 3MB cache), Intel HD Graphics 4400, 1600MHz DDR3 memory controller Intel Core i5-4460S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.4GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket										Some: Windows® 8.1 64-bit Some: Windows® 8.1 Pro 64-bit				
Implementation											Web install applications (only some listed)				
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)										• Password Manager				
Graphics	Intel HD Graphics 4400/4600 in processor, uses main memory, DirectX® 11.1, external digital monitor support via HDMI, supports dual independent display; <i>Max resolution:</i> 1920x1080 (panel) @60Hz; 1920x1080 (HDMI) @60Hz										Preloaded applications (only some listed)				
Display	21.5" (546.1mm) Full HD 1080p (1920x1080) TFT color , wide viewing angle (+/- 85°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, infinity display, work as standalone monitor via HDMI-in connector										• ThinkVantage System Update • ThinkVantage AutoLock • Desktop Power Manager • View Management Utility • Lenovo Cloud Storage by SugarSync • Lenovo Solution Center • Lenovo Support • Lenovo Companion • Norton Internet Security (30 days of virus definitions) • Skype™				
Light sensor	None										• Microsoft Office preloaded; purchase a product key to activate				
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch										• Cyberlink PowerDVD (DVD±RW, DVD)				
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off										• Cyberlink Power2Go (DVD±RW)				
Controls	Monitor mode / computer mode button, volume up/down buttons, and power button										• Cyberlink PowerProducer (DVD±RW)				
Disk	Some: 500GB (5400 rpm) or 1TB (7200 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide										• Evernote®				
Optical	Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide										• Lenovo Solutions for Small Business				
Onboard SATA	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable										• Nitro Pro				
	Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector and one SATA 3.0Gb/s connector on planar										• AccuWeather				
Media reader	Optional 11-in-1 media card reader										• Norton™ Studio				
Chipset	Intel B85 Express Chipset														
Rear ports	Four USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in														
Side ports	Two USB 3.0 (one Always On USB 3.0), one headphone / microphone combo jack (stereo, 3.5mm), one optional media card reader														
PCIe Mini Card	Two PCI Express® Mini Card slots														
PCIe WLAN	Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2														
	Some: 11ac/a/b/g/n wireless, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + Bluetooth combo adapter, 2x2														
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter														
Ethernet	One gigabit ethernet port, Intel I217-V, Wake on LAN®														
Audio support	High Definition (HD) Audio, Realtek ALC283CG / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified														
Intel AMT	None														
Security chip	None														
Keyboard	Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black														
Mouse	Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black														
Power supply	150 watts, autosensing, 85% PSU														
Color	Business black color														
VESA mount	Support VESA mount (100mm)														
Dimensions and weight (without stand)	<i>Non-touch models (WxDxH):</i> 21.02" X 1.91" X 15.20"; 534mm X 48.5mm X 386 mm														
	14.55 lb (6.6 kg) in maximum configuration														
	<i>Touch models (WxDxH):</i> 21.02" X 1.95" X 15.20"; 534mm X 49.6mm X 386 mm														
	16.31 lb (7.4 kg) in maximum configuration														
Stand	<i>Optional Frame Stand:</i> Adjustable between 10° and 65° (Tilt)														
	<i>Optional Monitor Stand:</i> Adjustable between -5° and 45° (Tilt)														
	<i>Optional UltraFlex Stand:</i> Tilt: 65° back, 0° forward; Lift: 110mm; Swivel: +/-90°; supports recline mode (from an upright position to an angled plane) and cable management														
Limited Warranty	1-year or 3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available										ENERGY STAR® 6.0-compliant EuP 2013 GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies				

See footnotes for important warranty information

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ThinkCentre E93z (10BA) - Touch (NVIDIA) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Pro- cessor	Memory ⁸	Wide- screen display	Multi- Touch	Camera (mega- pixel)	Disk SATA GB rpm	SATA optical	Graphics	PCIe Mini Card WLAN	Media reader	Stand type	Key- board/ Mouse Global	Preload	Ann date (mm/dd/yy)
10BA002L++	i5-4430S	4GBx1	21.5" FHD	Touch	2.0M	500G Hybrid	DVD±RW	GT 720A	N2230	Media	UltraFlex	2.4G	None	Win7 Pro64 DG 09/10/13

Country Code"+": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)
 Note: models listed above might not be available in all WE countries

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 1-year limited warranty

Positioning	Premium All-In-One PC for the enterprise		Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Device Experience● ThinkVantage AutoLock● Desktop Power Manager● View Management Utility● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Message Center Plus● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™● Microsoft Office preloaded; purchase a product key to activate● Cyberlink PowerDVD (DVD±RW, DVD)● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Evernote● Lenovo Solutions for Small Business● Nitro Pro
Processor	Intel® Core™ i5-4430S Processor (4 cores / 4 threads, 2.7GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller		
Implementation	Processor in LGA1150 socket		
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)		
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4400/4600 in processor, and NVIDIA GeForce® GT 720A , PCI Express® x16, 1GB memory, DirectX® 11, external digital monitor support via HDMI, supports dual independent display; <i>Max resolution: 1920x1080 (panel) @60Hz; 1920x1080 (HDMI) @60Hz</i> 21.5" (546.1mm) Full HD 1080p (1920x1080) TFT color , wide viewing angle (+/- 85°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, infinity display, work as standalone monitor via HDMI-in connector		
Display	None		
Light sensor	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch		
Multi-touch	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off		
Camera	Monitor mode / computer mode button, volume up/down buttons, and power button		
Controls	500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide		
Disk	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable		
Optical	Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector and one SATA 3.0Gb/s connector on planar		
Onboard SATA	Optional 11-in-1 media card reader		
Media reader	Intel B85 Express Chipset		
Chipset	Four USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in		
Rear ports	Two USB 3.0 (one Always On USB 3.0), one headphone / microphone combo jack (stereo, 3.5mm), one optional media card reader		
Side ports	Two PCI Express® Mini Card slots		
PCIe Mini Card	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
PCIe WLAN	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter		
Bluetooth	One gigabit ethernet port, Intel I217-V, Wake on LAN®		
Ethernet	High Definition (HD) Audio, Realtek ALC283CG / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified		
Audio support	None		
Intel AMT	None		
Security chip	Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black		
Keyboard	Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black		
Mouse	180 watts, autosensing, 92% PSU		
Power supply	Business black color		
Color	Support VESA mount (100mm)		
VESA mount	<i>Non-touch models (WxDxH):</i> 21.02" X 1.91" X 15.20"; 534mm X 48.5mm X 386 mm		
Dimensions and weight (without stand)	14.55 lb (6.6 kg) in maximum configuration		
	<i>Touch models (WxDxH):</i> 21.02" X 1.95" X 15.20"; 534mm X 49.6mm X 386 mm		
Stand	16.31 lb (7.4 kg) in maximum configuration		
	<i>Optional Frame Stand:</i> Adjustable between 10° and 65° (Tilt)		
	<i>Optional Monitor Stand:</i> Adjustable between -5° and 45° (Tilt)		
	<i>Optional UltraFlex Stand:</i> Tilt: 65° back, 0° forward; Lift: 110mm; Swivel: +/-90°; supports recline mode (from an upright position to an angled plane) and cable management		
Limited Warranty	1-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available		
	ENERGY STAR® 6.0-compliant		
	EuP 2013		
	GREENGUARD® certified		
	RoHS-compliant		
	Supports ThinkVantage Technologies		

See footnotes for important warranty information
 WE model(s) announced September 10, 2013

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 (G-TRPL1-3) September 2013

ThinkCentre E93z (10BA) - Touch (NVIDIA) - TopSeller (3-year)

Product Specifications Reference (PSREF)

Type-model	Pro-cessor	Memory ⁸	Wide-screen display	Multi-Touch	Camera (mega-pixel)	Disk SATA GB rpm	SATA optical	Graphics	PCIe Mini Card WLAN	Media reader	Stand type	Key-board/Mouse Global	Preload	Ann date (mm/dd/yy)
10BA003M++	i5-4430S	4GBx1	21.5" FHD	Touch	2.0M	128G SSD	DVD±RW	GT 720A	N2230	Media	UltraFlex	2.4G None	Win7 Pro64 DG	10/22/13
10BA0091++	i5-4460S	4GBx1	21.5" FHD	Touch	2.0M	128G SSD	DVD±RW	GT 720A	7260 b/g/n	Media	UltraFlex	2.4G None	Win7 P64 DG Win 8.1	07/15/14

Country Code"+": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)
 Note: models listed above might not be available in all WE countries

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 3-year limited warranty

Positioning	<i>Premium All-In-One PC for the enterprise</i>										Preloaded operating system			
Processor	Intel® Core™ i5-4430S Processor (4 cores / 4 threads, 2.7GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Intel Core i5-4460S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.4GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket										Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit			
Implementation											Ready to install applications (only some listed)			
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)										<ul style="list-style-type: none"> • Rescue and Recovery™ • Password Manager 			
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4400/4600 in processor, and NVIDIA GeForce® GT 720A , PCI Express® x16, 1GB memory, DirectX® 11, external digital monitor support via HDMI, supports dual independent display; <i>Max resolution:</i> 1920x1080 (panel) @60Hz; 1920x1080 (HDMI) @60Hz 21.5" (546.1mm) Full HD 1080p (1920x1080) TFT color , wide viewing angle (+/- 85°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, infinity display, work as standalone monitor via HDMI-in connector										Preloaded applications (only some listed)			
Display											<ul style="list-style-type: none"> • ThinkVantage® Product Recovery • ThinkVantage System Update • ThinkVantage Communication Utility • ThinkVantage Device Experience • ThinkVantage AutoLock • Desktop Power Manager • View Management Utility • Lenovo Cloud Storage by SugarSync • Lenovo Solution Center • Lenovo Message Center Plus • Norton™ Internet Security (30 days of virus definitions) • Adobe® Reader® • Skype™ • Microsoft Office preloaded; purchase a product key to activate • Cyberlink Power2Go (DVD±RW, DVD) • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) • Evernote • Lenovo Solutions for Small Business • Nitro Pro 			
Light sensor	None													
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch													
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off													
Controls	Monitor mode / computer mode button, volume up/down buttons, and power button													
Disk	Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide													
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable													
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector and one SATA 3.0Gb/s connector on planar													
Media reader	Optional 11-in-1 media card reader													
Chipset	Intel B85 Express Chipset													
Rear ports	Four USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in													
Side ports	Two USB 3.0 (one Always On USB 3.0), one headphone / microphone combo jack (stereo, 3.5mm), one optional media card reader													
PCIe Mini Card	Two PCI Express® Mini Card slots													
PCIe WLAN	<i>Some:</i> 11b/g/n wireless, Intel Centrino® Wireless-N 2230, Wi-Fi + BT4.0 combo, 2x2 <i>Some:</i> 11b/g/n wireless, Intel Wireless-N 7260, Wi-Fi + BT4.0 combo, 2x2													
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter													
Ethernet	One gigabit ethernet port, Intel I217-V, Wake on LAN®													
Audio support	High Definition (HD) Audio, Realtek ALC283CG / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified													
Intel AMT	None													
Security chip	None													
Keyboard	Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black													
Mouse	Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black													
Power supply	180 watts, autosensing, 92% PSU													
Color	Business black color													
VESA mount	Support VESA mount (100mm)													
Dimensions and weight (without stand)	<i>Non-touch models (WxDxH):</i> 21.02" X 1.91" X 15.20"; 534mm X 48.5mm X 386 mm													
	14.55 lb (6.6 kg) in maximum configuration													
	<i>Touch models (WxDxH):</i> 21.02" X 1.95" X 15.20"; 534mm X 49.6mm X 386 mm													
	16.31 lb (7.4 kg) in maximum configuration													
Stand	<i>Optional Frame Stand:</i> Adjustable between 10° and 65° (Tilt)													
	<i>Optional Monitor Stand:</i> Adjustable between -5° and 45° (Tilt)													
	<i>Optional UltraFlex Stand:</i> Tilt: 65° back, 0° forward; Lift: 110mm; Swivel: +/-90°; supports recline mode (from an upright position to an angled plane) and cable management													
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available										ENERGY STAR® 6.0-compliant EuP 2013 GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies			

See footnotes for important warranty information

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ThinkCentre E93z (10BA) - Touch (NVIDIA) - TopSeller (Win8)

Product Specifications Reference (PSREF)

Type-model	Pro- cessor	Memory [®]	Wide- screen display	Multi- Touch	Camera (mega- pixel)	Disk SATA GB rpm	SATA optical	Graphics	PCIe Mini Card WLAN	Media reader	Stand type	Key- board/ Mouse Global	Preload	Ann date (mm/dd/yy)	
10BA002M++	i5-4330S	4GBx1	21.5" FHD	Touch	2.0M	500G Hybrid	DVD±RW	GT 720A	N2230	Media	UltraFlex	2.4G	None	Win8 Pro64	09/10/13

Country Code"+-": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 1-year limited warranty

Positioning	Premium All-In-One PC for the enterprise			Preloaded operating system
Processor	Intel® Core™ i5-4430S Processor (4 cores / 4 threads, 2.7GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller			
Implementation	Processor in LGA1150 socket			Windows® 8 Pro 64-bit
Memory	16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)			Web install applications (only some listed)
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4400/4600 in processor, and NVIDIA GeForce® GT 720A, PCI Express® x16, 1GB memory, DirectX® 11, external digital monitor support via HDMI, supports dual independent display; Max resolution: 1920x1080 (panel) @60Hz; 1920x1080 (HDMI) @60Hz			Preloaded applications (only some listed)
Display	21.5" (546.1mm) Full HD 1080p (1920x1080) TFT color, wide viewing angle (+/- 85°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, infinity display, work as standalone monitor via HDMI-in connector			
Light sensor	None			
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch			
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off			
Controls	Monitor mode / computer mode button, volume up/down buttons, and power button			
Disk	500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide			
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable			
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector and one SATA 3.0Gb/s connector on planar			
Media reader	Optional 11-in-1 media card reader			
Chipset	Intel B85 Express Chipset			• Password Manager
Rear ports	Four USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in			• ThinkVantage System Update • ThinkVantage AutoLock • Desktop Power Manager • View Management Utility • Lenovo Cloud Storage by SugarSync • Lenovo Solution Center • Lenovo Support • Lenovo Companion • Norton Internet Security (30 days of virus definitions) • Skype™ • Microsoft Office preloaded; purchase a product key to activate • Cyberlink PowerDVD (DVD±RW, DVD) • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) • Evernote® • Lenovo Solutions for Small Business • Nitro Pro • AccuWeather • Norton™ Studio
Side ports	Two USB 3.0 (one Always On USB 3.0), one headphone / microphone combo jack (stereo, 3.5mm), one optional media card reader			
PCIe Mini Card	Two PCI Express® Mini Card slots			
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2			
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter			
Ethernet	One gigabit ethernet port, Intel I217-V, Wake on LAN®			
Audio support	High Definition (HD) Audio, Realtek ALC283CG / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified			
Intel AMT	None			
Security chip	None			
Keyboard	Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black			
Mouse	Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black			
Power supply	180 watts, autosensing, 92% PSU			
Color	Business black color			
VESA mount	Support VESA mount (100mm)			
Dimensions and weight (without stand)	Non-touch models (WxDxH):		21.02" X 1.91" X 15.20"; 534mm X 48.5mm X 386 mm 14.55 lb (6.6 kg) in maximum configuration	
	Touch models (WxDxH):		21.02" X 1.95" X 15.20"; 534mm X 49.6mm X 386 mm 16.31 lb (7.4 kg) in maximum configuration	
Stand	Optional Frame Stand:		Adjustable between 10° and 65° (Tilt)	
	Optional Monitor Stand:		Adjustable between -5° and 45° (Tilt)	
	Optional UltraFlex Stand:		Tilt: 65° back, 0° forward; Lift: 110mm; Swivel: +/-90°; supports recline mode (from an upright position to an angled plane) and cable management	
Limited Warranty	1-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available			
				ENERGY STAR® 6.0-compliant EuP 2013 GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies

See footnotes for important warranty information
WE model(s) announced September 10, 2013

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ThinkCentre E93z (10BA) - Touch (NVIDIA) - TS (Win8) - 3-year

Product Specifications Reference (PSREF)

Type-model	Pro-cessor	Memory ⁸	Wide-screen display	Multi-Touch	Camera (mega-pixel)	Disk SATA GB rpm	SATA optical	Graphics	PCIe Mini Card Media reader	Stand type	Key-board/Mouse Global	Preload	Ann date (mm/dd/yy)		
10BA003C++	i5-4430S	4GBx1	21.5" FHD	Touch	2.0M	500G Hybrid	DVD±RW	GT 720A	N2230	Media	UltraFlex	USB	None	Win8 Pro64	09/10/13

Country Code"+-": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

- Small and medium business (SMB) model(s), part of the Western Europe TopSeller™ Program
- 3-year limited warranty

Positioning	Premium All-In-One PC for the enterprise			Preloaded operating system Windows® 8 Pro 64-bit Web install applications (only some listed) <ul style="list-style-type: none">● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage System Update● ThinkVantage AutoLock● Desktop Power Manager● View Management Utility● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Support● Lenovo Companion● Norton Internet Security (30 days of virus definitions)● Skype™● Microsoft Office preloaded; purchase a product key to activate● Cyberlink PowerDVD (DVD±RW, DVD)● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Evernote®● Lenovo Solutions for Small Business● Nitro Pro● AccuWeather● Norton™ Studio
Processor	Intel® Core™ i5-4430S Processor (4 cores / 4 threads, 2.7GHz, 6MB cache), Turbo Boost 2.0 (3.2GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller			
Implementation	Processor in LGA1150 socket			
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)			
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4400/4600 in processor, and NVIDIA GeForce® GT 720A , PCI Express® x16, 1GB memory, DirectX® 11, external digital monitor support via HDMI, supports dual independent display; <i>Max resolution:</i> 1920x1080 (panel) @60Hz; 1920x1080 (HDMI) @60Hz 21.5" (546.1mm) Full HD 1080p (1920x1080) TFT color , wide viewing angle (+/- 85°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, infinity display, work as standalone monitor via HDMI-in connector			
Display				
Light sensor	None			
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch			
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off			
Controls	Monitor mode / computer mode button, volume up/down buttons, and power button			
Disk	500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide			
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable			
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector and one SATA 3.0Gb/s connector on planar			
Media reader	Optional 11-in-1 media card reader			
Chipset	Intel B85 Express Chipset			
Rear ports	Four USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in			
Side ports	Two USB 3.0 (one Always On USB 3.0), one headphone / microphone combo jack (stereo, 3.5mm), one optional media card reader			
PCIe Mini Card	Two PCI Express® Mini Card slots			
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2			
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter			
Ethernet	One gigabit ethernet port, Intel I217-V, Wake on LAN®			
Audio support	High Definition (HD) Audio, Realtek ALC283CG / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified			
Intel AMT	None			
Security chip	None			
Keyboard	Preferred Pro USB Keyboard (USB connector), Lenovo® logo			
Mouse	Enhanced Optical USB Mouse, black, Lenovo logo			
Power supply	180 watts, autosensing, 92% PSU			
Color	Business black color			
VESA mount	Support VESA mount (100mm)			
Dimensions and weight (without stand)	<i>Non-touch models (WxDxH):</i> 21.02" X 1.91" X 15.20"; 534mm X 48.5mm X 386 mm 14.55 lb (6.6 kg) in maximum configuration			
	<i>Touch models (WxDxH):</i> 21.02" X 1.95" X 15.20"; 534mm X 49.6mm X 386 mm 16.31 lb (7.4 kg) in maximum configuration			
Stand	<i>Optional Frame Stand:</i> Adjustable between 10° and 65° (Tilt)			
	<i>Optional Monitor Stand:</i> Adjustable between -5° and 45° (Tilt)			
	<i>Optional UltraFlex Stand:</i> Tilt: 65° back, 0° forward; Lift: 110mm; Swivel: +/-90°; supports recline mode (from an upright position to an angled plane) and cable management			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available			
Security <ul style="list-style-type: none">● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● Individual USB port disablement				
ENERGY STAR® 6.0-compliant				
EuP 2013				
GREENGUARD® certified				
RoHS-compliant				
Supports ThinkVantage Technologies				

See footnotes for important warranty information
WE model(s) announced September 10, 2013

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(G-TRPL1-5) September 2013

ThinkCentre E93z (10B8) - 3-year Onsite

Product Specifications Reference (PSREF)

Type-model	Pro- cessor	Memory ^a	Wide- screen display	Multi- Touch	Camera (mega- pixel)	Disk SATA GB rpm	SATA optical	Graphics	PCIe Mini Card Media WLAN reader	Stand type	Key- board/ Mouse	Preload	Ann date (mm/dd/yy)
10B8006H++	i7-4770S	4GBx1	21.5" FHD	None	2.0M	500G Hybrid	DVD±RW	HD 4600	N7260	Media	Frame	2.4G Win7 Pro64 DG Win8.1	12/24/13

Country Code"++": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

●3-year limited warranty

Positioning Processor	<i>Premium All-In-One PC for the enterprise</i> Intel® Core™ i7-4770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller Processor in LGA1150 socket			Preloaded operating system Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none">● Rescue and Recovery™● Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none">● ThinkVantage® Product Recovery● ThinkVantage System Update● ThinkVantage Communication Utility● ThinkVantage Device Experience● ThinkVantage AutoLock● Desktop Power Manager● View Management Utility● Lenovo Cloud Storage by SugarSync● Lenovo Solution Center● Lenovo Message Center Plus● Norton™ Internet Security (30 days of virus definitions)● Adobe® Reader®● Skype™● Microsoft Office preloaded; purchase a product key to activate● Cyberlink PowerDVD (DVD±RW, DVD)● Cyberlink Power2Go (DVD±RW)● Cyberlink PowerProducer (DVD±RW)● Evernote● Lenovo Solutions for Small Business● Nitro Pro
Implementation	Processor in LGA1150 socket			
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)			
Graphics	Intel HD Graphics 4400/4600 in processor, uses main memory, DirectX® 11.1, external digital monitor support via HDMI, supports dual independent display; <i>Max resolution:</i> 1920x1080 (panel)@60Hz; 1920x1080 (HDMI)@60Hz			
Display	21.5" (546.1mm) Full HD 1080p (1920x1080) TFT color , wide viewing angle (+/- 85°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, infinity display, work as standalone monitor via HDMI-in connector			
Light sensor	None			
Multi-touch	None			
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off			
Controls	Monitor mode / computer mode button, volume up/down buttons, and power button			
Disk	<i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide			
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable			
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector and one SATA 3.0Gb/s connector on planar			
Media reader	Optional 11-in-1 media card reader			
Chipset	Intel B85 Express Chipset			
Rear ports	Four USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in			
Side ports	Two USB 3.0 (one Always On USB 3.0), one headphone / microphone combo jack (stereo, 3.5mm), one optional media card reader			
PCIe Mini Card	Two PCI Express® Mini Card slots			
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2			
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter			
Ethernet	One gigabit ethernet port, Intel I217-V, Wake on LAN®			
Audio support	High Definition (HD) Audio, Realtek ALC283CG / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified			
Intel AMT	None			
Security chip	None			
Keyboard	Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black			
Mouse	Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black			
Power supply	150 watts, autosensing, 85% PSU			
Color	Business black color			
VESA mount	Support VESA mount (100mm)			
Dimensions and weight (without stand)	<i>Non-touch models (WxDxH):</i> 21.02" X 1.91" X 15.20"; 534mm X 48.5mm X 386 mm 14.55 lb (6.6 kg) in maximum configuration <i>Touch models (WxDxH):</i> 21.02" X 1.95" X 15.20"; 534mm X 49.6mm X 386 mm 16.31 lb (7.4 kg) in maximum configuration			
Stand	<i>Optional Frame Stand:</i> Adjustable between 10° and 65° (Tilt) <i>Optional Monitor Stand:</i> Adjustable between -5° and 45° (Tilt) <i>Optional UltraFlex Stand:</i> Tilt: 65° back, 0° forward; Lift: 110mm; Swivel: +/-90°; supports recline mode (from an upright position to an angled plane) and cable management			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available			
Security <ul style="list-style-type: none">● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)● Power-on password● Administrator password● Hard disk password● Boot sequence control● Boot without keyboard and mouse● Individual USB port disablement ENERGY STAR® 6.0-compliant EuP 2013 GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies				

See footnotes for important warranty information
WE model(s) announced December 24, 2013

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(G-TRPL1-11) January 2014

ThinkCentre E93z (10BA) - Touch (NVIDIA) - (Win8.1) - 3-year

Product Specifications Reference (PSREF)

Type-model	Pro- cessor	Memory ^a	Wide- screen display	Multi- Touch	Camera (mega- pixel)	Disk SATA GB rpm	SATA optical	Graphics	PCIe Mini Card WLAN	Media reader	Stand type	Key- board/ Mouse Global	Preload	Ann date (mm/dd/yy)
10BA005N++	i7-4770S	4GBx1	21.5" FHD	Touch	2.0M	500G Hybrid	DVD±RW	GT 720A	N7260	Media	UltraFlex	2.4G	None	Win8.1 Pro64 12/10/13

Country Code"+-": AT (Austria), FR (France), GB (Germany w/ English OS), GE (Germany w/ German OS), IV (Israel), IW (Iceland), IX (Italy), MB (Belgium), MD (Denmark), MH (Netherlands), ML (Luxembourg), MN (Norway), MS (Sweden), MZ (Switzerland), NX (Netherlands), PG (Portugal), SP (Spain), UK (United Kingdom)

Note: models listed above might not be available in all WE countries

●3-year limited warranty

Positioning Processor	<i>Premium All-In-One PC for the enterprise</i> Intel® Core™ i7-4770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), Intel HD Graphics 4600, 1600MHz DDR3 memory controller										Preloaded operating system Windows® 8.1 Pro 64-bit			
Implementation	Processor in LGA1150 socket										Web install applications (only some listed)			
Memory	16GB max, PC3-12800 1600MHz DDR3 , two 204-pin SODIMM sockets (notebook)										● Password Manager			
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4400/4600 in processor, and NVIDIA GeForce® GT 720A , PCI Express® x16, 1GB memory, DirectX® 11, external digital monitor support via HDMI, supports dual independent display; <i>Max resolution:</i> 1920x1080 (panel)@60Hz; 1920x1080 (HDMI)@60Hz										Preloaded applications (only some listed)			
Display	21.5" (546.1mm) Full HD 1080p (1920x1080) TFT color , wide viewing angle (+/- 85°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, infinity display, work as standalone monitor via HDMI-in connector										● ThinkVantage System Update			
Light sensor	None										● ThinkVantage AutoLock			
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 10-point multi-touch										● Desktop Power Manager			
Camera	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off										● Lenovo Solution Center			
Controls	Monitor mode / computer mode button, volume up/down buttons, and power button										● Lenovo Support			
Disk	500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide										● Norton Internet Security (30 days of virus definitions)			
Optical	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable										● Skype™			
Onboard SATA	Two SATA cables (each 1-drop to device), one SATA 6.0Gb/s connector and one SATA 3.0Gb/s connector on planar										● Microsoft Office preloaded; purchase a product key to activate			
Media reader	Optional 11-in-1 media card reader										● Cyberlink PowerDVD (DVD±RW, DVD)			
Chipset	Intel B85 Express Chipset										● Cyberlink Power2Go (DVD±RW)			
Rear ports	Four USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in										● Cyberlink PowerProducer (DVD±RW)			
Side ports	Two USB 3.0 (one Always On USB 3.0), one headphone / microphone combo jack (stereo, 3.5mm), one optional media card reader										● Evernote®			
PCIe Mini Card	Two PCI Express® Mini Card slots										● Lenovo Solutions for Small Business			
PCIe WLAN	11b/g/n wireless, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2										● Nitro Pro			
Bluetooth	Bluetooth 4.0 wireless, integrated in Intel Wi-Fi + Bluetooth combo adapter										● AccuWeather			
Ethernet	One gigabit ethernet port, Intel I217-V, Wake on LAN®										● Norton™ Studio			
Audio support	High Definition (HD) Audio, Realtek ALC283CG / two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified										● Pokki			
Intel AMT	None										● Hightail			
Security chip	None													
Keyboard	Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black										Security			
Mouse	Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black										● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)			
Power supply	180 watts, autosensing, 92% PSU										● Power-on password			
Color	Business black color										● Administrator password			
VESA mount	Support VESA mount (100mm)										● Hard disk password			
Dimensions and weight (without stand)	<i>Non-touch models (WxDxH):</i> 21.02" X 1.91" X 15.20"; 534mm X 48.5mm X 386 mm 14.55 lb (6.6 kg) in maximum configuration <i>Touch models (WxDxH):</i> 21.02" X 1.95" X 15.20"; 534mm X 49.6mm X 386 mm 16.31 lb (7.4 kg) in maximum configuration										● Boot sequence control			
Stand	<i>Optional Frame Stand:</i> Adjustable between 10° and 65° (Tilt) <i>Optional Monitor Stand:</i> Adjustable between -5° and 45° (Tilt) <i>Optional UltraFlex Stand:</i> Tilt: 65° back, 0° forward; Lift: 110mm; Swivel: +/-90°; supports recline mode (from an upright position to an angled plane) and cable management										● Boot without keyboard and mouse			
Limited Warranty	3-years, limited onsite service , 8 am-5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available										ENERGY STAR® 6.0-compliant EuP 2013			
											GREENGUARD® certified			
											RoHS-compliant			
											Supports ThinkVantage Technologies			

See footnotes for important warranty information
WE model(s) announced December 10, 2013

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PSREF books for the withdrawn systems:

http://www.lenovo.com/psref/psrefs_withdrawn.html

Availability: All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.

Warranty: For a copy of applicable product warranties, go to http://support.lenovo.com/en_US/product-service/warranty-status/WarrantyPolicies.page. Lenovo makes no representation or warranty regarding third party products or services.

¹ **Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges.

² **Hard drive:** GB = billion bytes, TB = trillion bytes. Accessible capacity is less; up to 4GB is service partition.

³ **Limited onsite service systems** are designed to be repaired during the applicable warranty period primarily with customer-replaceable parts provided by Lenovo. Lenovo will only send a technician onsite to perform a repair if (a) remote telephone diagnosis and/or customer part replacement are unable to resolve the problem, or (b) the part is one of the few designated by Lenovo for onsite replacement. For a list of onsite replaceable parts, contact Lenovo. Support unrelated to a warranty issue may be subject to additional charges. Lenovo onsite repair (LOR), 8 am to 5 pm, Monday through Friday coverage excluding holidays, next business day (NBD) response time.

⁴ **CD and DVD list** maximum rates; rates are variable and are often less than the maximum.

⁵ **Included software** may differ from its retail version (if available), and may not include user manuals or all program functionality. License agreements may apply.

⁷ **Lenovo Services:** These services are available for machines normally used for business, professional, or trade purposes, rather than personal, family, or household purposes. Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part will be express shipped to you for quick replacement. Onsite 24x7x2-hour service is not available in all locations. P&L means parts and labor. P/U means pick-up. See Lenovo terms and conditions for complete details and restrictions.

⁸ **Memory:** For PCs without a separate graphics card, memory supports both system and video. Accessible system memory may be up to 384MB less than the amount stated, depending on video mode.

⁹ **International Warranty Service** is available in any country in which this product is sold and serviced. Service delivery methods and parts availability vary by country, may be different from that in the country of purchase, and are subject to change without notice. Fees and restrictions may apply in some countries.

¹⁰ **Modem speeds:** Public network download speeds are limited to 53Kbps. Upload speeds are limited to 48Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.

¹¹ **For combination drives,** maximum speeds only are given in the following order: CD read, CD write, CD re-write, DVD read.

¹² **The IEEE 802.11n specification (MIMO)** has been finalized and is currently in IEEE 802.11n-2009 release. The maximum speed depends on the access point device and the number of integrated antenna used for connection. An adapter with 11a/b, 11a/b/g, 11b/g/n, or 11a/b/g/n can communicate on any of its supported formats.

¹³ **Wireless capability:** Requires compatible wireless-enabled options sold separately.

¹⁴ **Response times may vary.** May exclude some holidays. Telephone support may be subject to additional charges.

¹⁵ **Update Connector** is available at no charge to registered customers during the limited warranty period. Line charges may apply.

¹⁶ **Embedded Security Subsystem** works with optional VPN software.

- ¹⁸ **Embedded Security Subsystem** may require download of client security software from the Web.
- ¹⁹ **Asset ID** allows system-specific information to be stored in a chip inside the system; it does not have any radio frequency support.
- ²⁰ **Operating System:** Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to lenovo.com/pc/support and enter your machine type and model number for more information.

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Morrisville, NC 27560
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