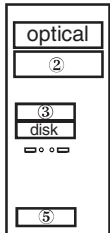


ThinkCentre M83 Mini Tower (10AG) - ES 5.2

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Processor	Memory ^a	SATA disk GB rpm	SATA optical	PCIe WLAN	Media reader	Additional Front Graphics	2nd serial port	Chassis intrusion switch	ENERGY STAR 5.2 Global	Preload	Ann date (mm/dd/yy)	
10AG0012US	3x5	i5-4570	4GBx1	500G 7200	DVD±RW	None	None	HD 7450	USB	None	None	ES52	None	Win7 P64 DG Win8.1 02/04/14

•3-year limited warranty

Positioning	<i>Mainstream enterprise stability and manageability</i>										
Processor	Intel® Core™ i5-4570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology										
Implementation	Processor in LGA1150 socket										
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> 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; <i>Max resolution: 2560x1600 (DisplayPort, DVI-I)@60Hz</i>										
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	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	None										
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®										
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, autosenesing, 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 holidays, next business day response time / service upgrades available										
	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"> • Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none"> • Lenovo Support • Lenovo Companion • Lenovo Cloud Storage by SugarSync • Desktop Power Manager • Norton™ Studio • AccuWeather • Evernote® • Microsoft Office preloaded; purchase a product key to activate • Cyberlink PowerDVD (DVD±RW, DVD) • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) • ThinkVantage System Update • Lenovo Solution Center • Norton Internet Security (30 days of virus definitions) • Skype™ • Intel AppUp • Intel Small Business Advantage • Nitro Pro 										
	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: -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® 5.2-compliant ULE Gold Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant										
	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
 US model(s) announced February 4, 2013

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 (MSK1T-5) February 2014