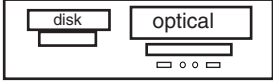


# ThinkCentre M83 SFF Pro (10AH) - ES 5.2 (GMP)

Product Specifications Reference (PSREF)

Type-model	Slot x bay	Pro-processor	Memory <sup>8</sup>	SATA disk GB rpm	SATA optical	PCIe WLAN	Graphics	Additional Front USB 2.0	2nd serial port	Chassis intrusion switch	Floor stand	ENERGY STAR 5.2	Global (G) GMP (P)	Preload	Ann date (mm/dd/yy)
10AH0015US	3x4	i5-4570	2GBx1	500G 7200	DVD	None	HD 4600	None	None	Switch	None	ES52	G P	Win7 Pro64	07/30/13
10AH0016US	3x4	i5-4570	4GBx1	500G 7200	DVD	None	HD 4600	USB	None	Switch	Stand	ES52	G P	Win7 Pro64 (DG)	07/30/13
10AH0017US	3x4	i5-4570	4GBx1	1TB 7200	DVD	Intel 105	HD 8470	USB	None	Switch	Stand	ES52	G P	Win7 Pro64 (DG)	07/30/13
10AH001HUS	3x4	i5-4570	4GBx1	500G 7200	DVD±RW	None	HD 4600	USB	None	Switch	Stand	ES52	G P	Win7 Pro64 (DG)	08/20/13
10AH001JUS	3x4	i5-4570	4GBx1	1TB 7200	DVD±RW	Intel 105	HD 8470	USB	None	Switch	Stand	ES52	G P	Win7 Pro64 (DG)	08/20/13
10AH0043US	3x4	i5-4570	2GBx1	500G 7200	DVD	None	HD 4600	None	None	Switch	None	ES52	G P	Win7 Pro64	03/11/14

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

Positioning	<i>Mainstream enterprise stability and manageability</i>											<b>Preloaded operating system</b>			
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											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											<b>Ready to install applications</b> (only some listed)			
Memory	32GB max, <b>UDIMM, PC3-12800 1600MHz DDR3</b> , four 240-pin DIMM sockets											<ul style="list-style-type: none"> <li>● Rescue and Recovery™</li> <li>● Password Manager</li> </ul>			
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 8470, DirectX 11, 3D Hardware Acceleration, 512MB, PCI Express® 2.0 x16 adapter, one VGA, one DisplayPort, 25 watts, <i>Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz</i>											<b>Preloaded applications</b> (only some listed)			
DP dongle	None											<ul style="list-style-type: none"> <li>● ThinkVantage® Product Recovery</li> <li>● ThinkVantage System Update</li> <li>● ThinkVantage Communication Utility</li> <li>● Desktop Power Manager</li> <li>● View Management Utility</li> <li>● Lenovo Cloud Storage by SugarSync</li> <li>● Lenovo Solution Center</li> <li>● Lenovo Message Center Plus</li> <li>● Norton™ Internet Security (30 days of virus definitions)</li> <li>● Adobe® Reader®</li> <li>● Skype™</li> <li>● Microsoft Office preloaded; purchase a product key to activate</li> <li>● Cyberlink PowerDVD (DVD±RW, DVD)</li> <li>● Cyberlink Power2Go (DVD±RW)</li> <li>● Cyberlink PowerProducer (DVD±RW)</li> <li>● Evernote</li> <li>● Intel AppUp</li> <li>● Intel Small Business Advantage</li> <li>● Nitro Pro</li> </ul>			
Disk	SATA 6.0Gb/s 7200 rpm, 3.5" wide											<b>Security</b> <ul style="list-style-type: none"> <li>● Security chip (see information on left)</li> <li>● One lock to secure both cover and entire system to fixed object: <ul style="list-style-type: none"> <li>-Padlock loop (in rear for opt padlock)</li> <li>-Security slot (in rear for optional Kensington® MicroSaver® cable)</li> </ul> </li> <li>● Power-on password</li> <li>● Administrator password</li> <li>● Hard disk password</li> <li>● Boot sequence control</li> <li>● Boot without keyboard and mouse</li> <li>● Serial port I/O control</li> <li>● Individual USB port disablement</li> <li>● Chassis intrusion switch on selected model(s)</li> </ul>			
Optical	Some: DVD-ROM DL SATA 1.5Gb/s 16-48X Max <sup>4</sup> Drive Some: Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive														
SATA controller	Serial ATA, SATA 6.0Gb/s, integrated in chipset											<b>EPEAT™ Gold rating</b> <b>ENERGY STAR® 5.2-compliant</b> <b>ULE Gold</b> Cisco EnergyWise compatible GREENGUARD® certified RoHS-compliant Supports ThinkVantage Technologies			
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											For compatible accessories, please go to TC-AQP sheet; For Lenovo service upgrade options, please go to S-TC sheet			
Media reader	None														
Chipset	<b>Intel Q85 Express Chipset</b>														
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	Some: 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®														
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"> <li>● SFF Pro (12.9L), business black color; metal case</li> <li>● (WxDxH) 13.31" X 14.76" X 4.02"; 338mm X 375mm X 102mm</li> <li>● 17.20 lb (7.8 kg) in maximum configuration</li> <li>● Toolless cover removal, adapter retention</li> <li>● Toolless disk and optical drive removal</li> </ul>														
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 or 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	<b>3-years, limited onsite service</b> , 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available														

See footnotes for important warranty information

US model(s) announced July 30, 2013 or August 20, 2013 or March 11, 2014

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