

# ThinkCentre M93/M93p Tiny Platform Specifications

Product Specifications Reference (PSREF)

Processor	4th Generation Intel® Core™ i3 / i5 / i7 Processors						Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), Lenovo logo <i>Some:</i> Lenovo USB Fingerprint Keyboard (USB connector) <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 (Base/Max)	Cache	Memory Types	Integrated Graphics	Mouse		
	Core i3-4150T	2 / 4	3 GHz	3 MB	DDR3-1600	HD 4400			
	Core i3-4130T	2 / 4	2.9 GHz	3 MB	DDR3-1600	HD 4400			
	Core i5-4570T	2 / 4	2.9 GHz / 3.6 GHz	4 MB	DDR3-1600	HD 4600	Mechanical	Tiny (1L), business black color; metal case	
	Core i5-4590T	4 / 4	2 GHz / 3 GHz	6 MB	DDR3-1600	HD 4600		M93/p 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
	Core i7-4765T	4 / 8	2 GHz / 3 GHz	8 MB	DDR3-1600	HD 4600		M93/p Tiny with VESA mount & optical box	7.2" W X 7.2" D X 2.55" H 184mm W X 182mm D X 65mm H 5.1 lb (2.3 kg), weight may vary by configuration
	Core i7-4785T	4 / 8	2.2 GHz / 3.2 GHz	8 MB	DDR3-1600	HD 4600	VESA mount Floor Stand	Optional VESA mount bracket kit, supports VESA 75mm and 100mm Optional system floor stand for vertical orientation	
Memory	16GB max, <b>PC3-12800 1600MHz DDR3</b> , two 204-pin SODIMM sockets (notebook)						Power supply	65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models)	
Disk	<i>Some:</i> SATA 3.0Gb/s, 2.5" Wide, 5400 rpm <i>Some:</i> SATA 6.0Gb/s, 2.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) Solid State Hybrid Drive (SSHD) / 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						Limited warranty <sup>3</sup>	<i>Some:</i> <b>3-years, limited onsite service</b> / service upgrades available <i>Some:</i> <b>3-years, limited onsite service, OID</b> (Onsite International Delivery) / service upgrades available <i>For Lenovo service upgrade options, please go to S-TC sheet</i>	
Optical	<i>Some:</i> external USB optical box with slim DVD-ROM, 12.7mm high, tray-in <i>Some:</i> external USB optical box with slim DVD±RW, 12.7mm high, tray-in <i>Some:</i> external USB optical box with slim DVD±RW, 9.5mm high, tray-in, for TIO 23						Preload	<b>Preloaded operating system</b> <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 <i>Some:</i> Windows 7 Professional 32 <i>Some:</i> Windows 7 Professional 64	<b>Ready to install applications</b> (only some listed) <ul style="list-style-type: none"> <li>● Rescue and Recovery™</li> <li>● Password Manager</li> </ul> <b>Preloaded applications</b> (only some listed) <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>
Onboard SATA Media reader	None						Environment	ENERGY STAR® 6.0; EPEAT™ Gold rating (U.S.); ULE Gold; GREENGUARD® certified; RoHS-compliant; Cisco EnergyWise compatible	
Graphics	<b>Intel HD Graphics 4400/4600</b> 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>Max resolution:</i> 3840x2160 (DP) @60Hz [HD 4x00]; 2560x1600 (DP) @60Hz [Intel HD]; 1920x1080 (HDMI) @60Hz; 1920x1200 (VGA) @60Hz (Reduced Blanking) Optional DisplayPort to DVI-D monitor cable						Accessories	For compatible accessories, please go to TC-AQP sheet	
DP cable	Optional DisplayPort to DVI-D monitor cable								
Chipset	<b>Intel Q87 Chipset</b>								
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 , 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								
Audio support	High Definition (HD) Audio, Realtek ALC283 / internal speaker (1.5 watt)								
WLAN <sup>13</sup>	<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 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, Intel vPro technology support, 2x2 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino Wireless-N 7260, Wi-Fi + Bluetooth 4.0 combo adapter, 2x2 <i>Some:</i> 11ac/a/b/g/n, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo 4.0 adapter, Intel vPro technology support, 2x2								
Bluetooth™ Ethernet Modem	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN® None								
Manageability	Intel Active Management Technology 9.0 (Intel AMT 9.0); Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection) Trusted Platform Module, TCG 1.2-compliant								
Security chip	Trusted Platform Module, TCG 1.2-compliant								
Security features	<ul style="list-style-type: none"> <li>● Security slot (in rear for optional Kensington® MicroSaver® cable)</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>● Individual USB port disablement</li> <li>● Optional Chassis intrusion switch</li> </ul>								

See footnotes for more detailed information

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