ThinkCentre M93/M93p Tiny Platform Specifications

Processor	4th Generation Intel® Core™ i3 / i5 / i7 Processors					

Processor	Cores / Threads	Frequency (Base/Max)	Cache	Memory Types	Integrated Graphics
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
Core i5-4590T	4 / 4	2 GHz / 3 GHz	6 MB	DDR3-1600	HD 4600
Core i7-4765T	4 / 8	2 GHz / 3 GHz	8 MB	DDR3-1600	HD 4600
Core i7-4785T	4 / 8	2.2 GHz / 3.2 GHz	8 MB	DDR3-1600	HD 4600

Category	Description
Memory	16GB max, **PC3-12800 1600MHz DDR3**, two 204-pin SODIMM sockets (notebook)
Disk	*Some:* SATA 3.0Gb/s, 2.5" Wide, 5400 rpm *Some:* SATA 6.0Gb/s, 2.5" Wide, 7200 rpm *Some:* 500GB (5400 rpm) Solid State Hybrid Drive (SSHD) / 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
Optical	*Some:* external USB optical box with slim DVD-ROM, 12.7mm high, tray-in *Some:* external USB optical box with slim DVD±RW, 12.7mm high, tray-in *Some:* external USB optical box with slim DVD±RW, 9.5mm high, tray-in, for TIO 23
Onboard SATA	One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar
Media reader	None
Graphics	**Intel HD Graphics 4400/4600** 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; *Max resolution:* 3840x2160 (DP)@60Hz [HD 4x00]; 2560x1600 (DP)@60Hz [Intel HD]; 1920x1080 (HDMI)@60Hz; 1920x1200 (VGA)@60Hz (Reduced Blanking)
DP cable	Optional DisplayPort to DVI-D monitor cable
Chipset	**Intel Q87 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 , 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[13]	*Some:* 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 *Some:* 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 *Some:* 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino Advanced-N 6235, Wi-Fi + Bluetooth combo adapter, Intel vPro technology support, 2x2 *Some:* 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino Wireless-N 7260, Wi-Fi + Bluetooth 4.0 combo adapter, 2x2 *Some:* 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™	*Some:* Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®
Modem	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)
Security chip	Trusted Platform Module, TCG 1.2-compliant
Security features	● 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 ● Optional Chassis intrusion switch

Category	Description	
Keyboard Mouse	*Some:* Preferred Pro USB Keyboard (USB connector), Lenovo logo *Some:* Lenovo USB Fingerprint Keyboard (USB connector) *Some:* Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black *Some:* Enhanced Optical USB Mouse, black, Lenovo logo *Some:* Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black	
Mechanical	Tiny (1L), business black color; metal case	
	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
	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
VESA mount Floor Stand	Optional VESA mount bracket kit, supports VESA 75mm and 100mm Optional system floor stand for vertical orientation	
Power supply	65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models)	
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	**Preloaded operating system**	**Ready to install applications** (only some listed)
	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 *Some:* Windows 7 Professional 32 *Some:* Windows 7 Professional 64	● Rescue and Recovery™ ● Password Manager **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

Category	Description
Environment	ENERGY STAR® 6.0; EPEAT™ Gold rating (U.S.); ULE Gold; GREENGUARD® certified; RoHS-compliant; Cisco EnergyWise compatible
Accessories	For compatible accessories, please go to TC-AQP sheet

See footnotes for more detailed information