

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						VESA mount Floor Stand	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			
	Processor	Cores / Threads	Frequency (Max/Base)	Cache	Memory Types	Integrated Graphics					
	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					
Chipset	Intel one-chip platform, integrates processor core, graphics, memory controller, and Platform Controller Hub (PCH) in one chip						Power supply	65 watts AC/DC adapter, autosensing, 88% PSU (not included for TIO models)			
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						Limited warranty ³	<i>Some:</i> 1-year, depot service / service upgrades available <i>Some:</i> 1-year or 3-year, limited onsite service / service upgrades available <i>Some:</i> 3-year, limited onsite service, OID (Onsite International Delivery) / service upgrades available <i>For Lenovo service upgrade options, please go to S-TC sheet</i>			
Monitor cable							Preload	<i>Some:</i> Windows® 7 Professional 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 Ready to install applications (for Win7) • Rescue and Recovery™ • Password Manager Web install applications (for Win8.1) • Password Manager Preloaded applications (only some listed) - For both Windows 7 and Windows 8.1 • ThinkVantage System Update • Desktop Power Manager • Lenovo Solution Center • Lenovo Support • Lenovo Companion • Lenovo Reach • Lenovo SHAREit • Norton™ Internet Security (30 days of virus definitions) • Skype™ • Microsoft Office preloaded; purchase a product key to activate • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) • Evernote® • Nitro Pro - Only for Windows 7: • ThinkVantage® Product Recovery • ThinkVantage Communication Utility • ThinkVantage Device Experience • View Management Utility • Lenovo Message Center Plus - Only for Windows 8.1: • Cyberlink PowerDVD (DVD±RW, DVD) • AccuWeather • Norton™ Studio • Pokki • Hightail		<i>Some:</i> Windows® Embedded Standard 7 (WES 7) <i>Some:</i> Windows Embedded 8 Standard (WE8S) <i>Some:</i> LeTOS (Lenovo Terminal Operating System, Linux-based) Preloaded applications (only some listed) - WE8S only: • Intel Trusted Execution Engine Interface • RDP Client (RDP 8 support) • Citrix Receiver • VMware Client • Internet Explorer 10 • Java 8 • Adobe Flash Player • Microsoft Visual C++ Redistributable • Microsoft Windows Embedded Keyboard Filter Database • Microsoft® Silverlight • Echo Agent (client for LTM) • UltraVnc • Adobe Acrobat Reader DC - WES 7 only: • Intel Management Engine Components • RDP Client (RDP 8 support) • Citrix Client • VMware Client • Internet Explorer 9 • Java • Flash • .Net Framework • Microsoft® Silverlight • Echo Agent (client for LTM) • Lenovo Thin Client Manager (LTM) • Adobe Reader • Intel Manageability Engine Firmware Recovery Agent - LeTOS only: • xFreeRDP • Citrix ICA Client • VMware View Client • Java • Mozilla Firefox • NX NoMachine Client • X11 Client • AnyConnect VPN Client	
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										
Storage	<i>Some:</i> 8GB or 16GB / DOM (Disk On Module) Card <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										
Optical	<i>Some:</i> Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" Wide or M.2 <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										
Onboard SATA Media reader	SATA 3.0Gb/s controller, one connectors on planar None										
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™ Ethernet Modem	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter One gigabit ethernet port, Realtek RTL8111GN, Wake on LAN® None										
Manageability Security chip	None None										
Security features	• 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 • Hard disk password • Boot sequence control • Boot without keyboard and mouse • Individual USB port disablement • Optional <i>Chassis intrusion switch</i>										
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										
Mouse											
Mechanical	• 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										
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