

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					
	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
	* System-on-Chip (SoC) solution, integrates Intel processor core, Graphics, Memory Controller, and I/O interfaces					
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					
Disk	Some: 8GB or 16GB / DOM (Disk On Module) Card Some: SATA 3.0Gb/s, 2.5" Wide, 5400 or 7200 rpm Some: 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 3.0Gb/s, 2.5" wide					
Optical	Some: Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" Wide Some: external optical box with slim DVD-ROM, 12.7mm high, tray-in, via USB					
Onboard SATA Media reader	Some: external optical box with slim DVD±RW, 12.7mm high, tray-in, via USB SATA 3.0Gb/s controller, one connectors on planar None					
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					
DP cable	Optional DisplayPort to DVI-D or DisplayPort to HDMI monitor cable					
Chipset	Intel System-on-Chip (SoC) platform					
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	Some: 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8723BE, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1 Some: 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8192EE, Wi-Fi + Bluetooth 4.0 combo adapter, 2x2 Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2					
Bluetooth™	Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter					
Ethernet	One gigabit ethernet port, Realtek RTL8111GN, Wake on LAN®					
Modem	None					
Manageability	None					
Security chip	None					
Security features	<ul style="list-style-type: none"> 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 Chassis intrusion switch 					
Keyboard	Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo Some: Lenovo Slim USB Keyboard (USB connector), black, Lenovo logo Some: Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black					
Mouse	Some: Enhanced Optical USB Mouse, black, Lenovo logo Some: Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black					
Mechanical	<ul style="list-style-type: none"> 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 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 					
VESA mount	Optional VESA mount bracket kit, supports VESA 75mm and 100mm					
Floor Stand	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: 1-year, depot service / service upgrades available Some: 1-year or 3-year, limited onsite service / service upgrades available Some: 3-year, limited onsite service, IWS (International Warranty Service ⁹) / service upgrades available For Lenovo service upgrade options, please go to S-TC sheet					
Preload	Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Some: Windows 7 Professional 64 Some: Windows 8.1 64-bit Some: Windows 8.1 Pro 64-bit Some: Windows 8.1 with Bing 64-bit Ready to install applications (for Win7) <ul style="list-style-type: none"> Rescue and Recovery™ Password Manager Web install applications (for Win8.1) <ul style="list-style-type: none"> Password Manager Preloaded applications (only some listed) - For both Windows 7 and Windows 8.1: <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> ThinkVantage® Product Recovery ThinkVantage Communication Utility ThinkVantage Device Experience View Management Utility Lenovo Message Center Plus - Only for Windows 8.1: <ul style="list-style-type: none"> Cyberlink PowerDVD (DVD±RW, DVD) AccuWeather Norton™ Studio Pokki Hightail 					
Environment	ENERGY STAR® 6.0 (for Windows models only); GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3					

See footnotes for more detailed information