

ThinkCentre M93z Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® I Pentium® or 4th Generation Intel Core™ i3 / i5 / i7 Processors						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)			
	Processor	Cores / Threads	Frequency (Base/Max)	Cache	Memory Types	Integrated Graphics	Security chip	Trusted Platform Module (TPM 1.2-compliant)			
	Pentium G3220	2 / 2	3 GHz	3 MB	DDR3-1333	Intel HD	Security features	- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) - Power-on, Admin, Hard disk password - Boot sequence control - Boot without keyboard and mouse - Individual USB port disablement - Optional Chassis intrusion switch			
	Pentium G3240	2 / 2	3.1 GHz	3 MB	DDR3-1333	Intel HD	Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), Lenovo logo			
	Core i3-4130	2 / 4	3.4 GHz	3 MB	DDR3-1600	HD 4400	Mouse	<i>Some:</i> Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black			
	Core i3-4150	2 / 4	3.5 GHz	3 MB	DDR3-1600	HD 4400		<i>Some:</i> Enhanced Optical USB Mouse, black, Lenovo logo			
	Core i3-4330	2 / 4	3.5 GHz	4 MB	DDR3-1600	HD 4600		<i>Some:</i> Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black			
	Core i5-4430S	4 / 4	2.7 GHz / 3.2 GHz	6 MB	DDR3-1600	HD 4600	Mechanical	- Business black color - Toolless back cover, stand, disk, optical drive, memory removal - Support VESA mount (100mm)			
	Core i5-4440S	4 / 4	2.8 GHz / 3.3 GHz	6 MB	DDR3-1600	HD 4600					
	Core i5-4460S	4 / 4	2.9 GHz / 3.4 GHz	6 MB	DDR3-1600	HD 4600					
	Core i5-4570S	4 / 4	2.9 GHz / 3.6 GHz	6 MB	DDR3-1600	HD 4600					
	Core i5-4570T	2 / 4	2.9 GHz / 3.6 GHz	4 MB	DDR3-1600	HD 4600					
	Core i5-4590S	4 / 4	3 GHz / 3.7 GHz	6 MB	DDR3-1600	HD 4600					
	Core i5-4670S	4 / 4	3.1 GHz / 3.8 GHz	6 MB	DDR3-1600	HD 4600					
	Core i7-4770S	4 / 8	3.1 GHz / 3.9 GHz	8 MB	DDR3-1600	HD 4600					
	Core i7-4790S	4 / 8	3.2 GHz / 4 GHz	8 MB	DDR3-1600	HD 4600					
Memory	16GB max, PC3-12800 1600MHz DDR3* , two 204-pin SODIMM sockets (notebook)										
	*System automatically clocks down for processors with 1333MHz memory controller										
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm, 2.5" wide) or 1TB (7200 rpm, 3.5" wide) Solid State Hybrid Drive (SSHD) / with 8GB MLC NAND flash memory, SATA 6.0Gb/s <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide										
Optical	<i>Some:</i> DVD, SATA 1.5Gb/s, 12.7mm high <i>Some:</i> DVD burner, SATA 1.5Gb/s, 12.7mm high										
Media reader	Optional 11-in-1 media card reader										
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, DirectX® 11, external monitor support via DisplayPort™, supports dual independent display; <i>Max resolution:</i> 3840x2160 (DP)@60Hz [HD 4x00]; 2560x1600 (DP)@60Hz [Intel HD]										
Display	23.0" (584.2mm) Full HD 1080p (1920x1080) TFT color , IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via VGA-in connector Optional ambient light sensor										
Light sensor	Optional Projected Capacitive Touch (PCT) technology, supports 10-point touch										
Multi-touch	Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off										
Camera	Microphone mute (OSD exit), monitor mode switch (OSD enter), volume up/down buttons (OSD left/right buttons), and power button										
Controls											
Chipset	Intel Q87 Chipset										
Rear ports	Four USB 3.0, ethernet (RJ-45), DisplayPort-out, VGA-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)										
Side ports	Two USB 3.0 (one Always On / Powered), one microphone (stereo, 3.5mm), one headphone / microphone combo jack (stereo, 3.5mm)										
PCIe Mini Card	One PCI Express Mini Card slot (half size, for WLAN)										
Audio support	High Definition (HD) Audio, Realtek ALC283 / two internal stereo speakers (3W x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified										
WLAN ¹³	<i>Some:</i> 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1 <i>Some:</i> 11b/g/n, PCIe Half Mini Card, Intel Centrino Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11a/b/g/n, 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, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi/BT 4.0, 2x2 <i>Some:</i> 11ac/a/b/g/n, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo adapter, Intel vPro technology support, 2x2										
Bluetooth™	<i>Some:</i> Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter										
Ethernet	One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®										

See footnotes for more detailed information