

ThinkCentre M83z Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron®, Pentium®, or 4th Generation Core™ i3 / i5 / i7 Processor	Security features	<ul style="list-style-type: none"> Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard and mouse USB port disablement Optional Chassis intrusion switch 																																																																						
	<table border="1"> <thead> <tr> <th>Processor</th> <th>Cores / Threads</th> <th>Clock Speed</th> <th>Max Turbo Frequency</th> <th>Cache</th> <th>Memory Types</th> <th>Integrated Graphics</th> </tr> </thead> <tbody> <tr> <td>Pentium G3220</td> <td>2 / 2</td> <td>3.0 GHz</td> <td>-</td> <td>3MB</td> <td>DDR3-1333</td> <td>Intel HD</td> </tr> <tr> <td>Pentium G3240</td> <td>2 / 2</td> <td>3.1 GHz</td> <td>-</td> <td>3MB</td> <td>DDR3-1333</td> <td>Intel HD</td> </tr> <tr> <td>Core i3-4130</td> <td>2 / 4</td> <td>3.4 GHz</td> <td>-</td> <td>3MB</td> <td>DDR3-1600</td> <td>Intel HD 4400</td> </tr> <tr> <td>Core i3-4150</td> <td>2 / 4</td> <td>3.5 GHz</td> <td>-</td> <td>3MB</td> <td>DDR3-1600</td> <td>Intel HD 4400</td> </tr> <tr> <td>Core i5-4430S</td> <td>4 / 4</td> <td>2.7 GHz</td> <td>3.2 GHz</td> <td>6MB</td> <td>DDR3-1600</td> <td>Intel HD 4600</td> </tr> <tr> <td>Core i5-4460S</td> <td>4 / 4</td> <td>2.9 GHz</td> <td>3.4 GHz</td> <td>6MB</td> <td>DDR3-1600</td> <td>Intel HD 4600</td> </tr> <tr> <td>Core i5-4570S</td> <td>4 / 4</td> <td>2.9 GHz</td> <td>3.6 GHz</td> <td>6MB</td> <td>DDR3-1600</td> <td>Intel HD 4600</td> </tr> <tr> <td>Core i5-4590S</td> <td>4 / 4</td> <td>3.0 GHz</td> <td>3.7 GHz</td> <td>6MB</td> <td>DDR3-1600</td> <td>Intel HD 4600</td> </tr> <tr> <td>Core i7-4770S</td> <td>4 / 8</td> <td>3.1 GHz</td> <td>3.9 GHz</td> <td>8MB</td> <td>DDR3-1600</td> <td>Intel HD 4600</td> </tr> </tbody> </table>	Processor	Cores / Threads	Clock Speed	Max Turbo Frequency	Cache	Memory Types	Integrated Graphics	Pentium G3220	2 / 2	3.0 GHz	-	3MB	DDR3-1333	Intel HD	Pentium G3240	2 / 2	3.1 GHz	-	3MB	DDR3-1333	Intel HD	Core i3-4130	2 / 4	3.4 GHz	-	3MB	DDR3-1600	Intel HD 4400	Core i3-4150	2 / 4	3.5 GHz	-	3MB	DDR3-1600	Intel HD 4400	Core i5-4430S	4 / 4	2.7 GHz	3.2 GHz	6MB	DDR3-1600	Intel HD 4600	Core i5-4460S	4 / 4	2.9 GHz	3.4 GHz	6MB	DDR3-1600	Intel HD 4600	Core i5-4570S	4 / 4	2.9 GHz	3.6 GHz	6MB	DDR3-1600	Intel HD 4600	Core i5-4590S	4 / 4	3.0 GHz	3.7 GHz	6MB	DDR3-1600	Intel HD 4600	Core i7-4770S	4 / 8	3.1 GHz	3.9 GHz	8MB	DDR3-1600	Intel HD 4600	Keyboard	<i>Some:</i> Preferred Pro USB Keyboard (USB connector), Lenovo logo <i>Some:</i> UltraSlim Plus Wireless Keyboard (2.4GHz via USB receiver), black
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Memory	16GB max ⁷ / DDR3 Low Voltage, DDR3L-1600*, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	Mouse	<i>Some:</i> Enhanced Optical USB Mouse, black, Lenovo logo <i>Some:</i> UltraSlim Plus Wireless Mouse (2.4GHz via USB receiver), black																																																																						
Disk	<i>Some:</i> SATA 6.0Gb/s, 3.5" Wide, 7200 rpm <i>Some:</i> 500GB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide <i>Some:</i> 1TB (7200 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 3.5" wide <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide	Mechanical	<ul style="list-style-type: none"> Business black color Support VESA mount (100mm) <table border="1"> <thead> <tr> <th>Dimensions (WxDxH)</th> <th>Weight (Maximum)</th> <th>Adjustments</th> </tr> </thead> <tbody> <tr> <td colspan="3">M83z with frame stand</td> </tr> <tr> <td>21.26" X 3.70" X 15.59" 540mm X 94mm X 396mm</td> <td>16.53 lb (7.5 kg)</td> <td>Tilt: 10° to 25° back</td> </tr> <tr> <td colspan="3">M83z with monitor stand (full-function)</td> </tr> <tr> <td>21.26" X 9.84" X 17.56" 540mm X 250mm X 446mm</td> <td>21.93 lb (9.95 kg)</td> <td>Tilt: 25° back, -5° forward Lift: 110mm Swivel: +/-45°</td> </tr> <tr> <td colspan="3">M83z with monitor stand (tilt-only)</td> </tr> <tr> <td>21.26" X 6.89" X 16.85" 540mm X 175mm X 428mm</td> <td>19.82 lb (8.99 kg)</td> <td>Tilt: 45° back, -5° forward</td> </tr> </tbody> </table>	Dimensions (WxDxH)	Weight (Maximum)	Adjustments	M83z with frame stand			21.26" X 3.70" X 15.59" 540mm X 94mm X 396mm	16.53 lb (7.5 kg)	Tilt: 10° to 25° back	M83z with monitor stand (full-function)			21.26" X 9.84" X 17.56" 540mm X 250mm X 446mm	21.93 lb (9.95 kg)	Tilt: 25° back, -5° forward Lift: 110mm Swivel: +/-45°	M83z with monitor stand (tilt-only)			21.26" X 6.89" X 16.85" 540mm X 175mm X 428mm	19.82 lb (8.99 kg)	Tilt: 45° back, -5° forward																																																	
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Optical Media reader	DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable Optional 7-in-1 single slot media card reader	Power supply	150 watts, autosensing, 85% PSU, 100-240V (50-60Hz)																																																																						
Graphics	Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, DirectX® 11, one VGA-out, supports dual independent display; <i>Maximum resolution:</i> 1920x1200 (VGA)@60Hz (Reduced Blanking)	Limited warranty ³	<i>Some:</i> 3-years, limited onsite service / service upgrades available <i>Some:</i> 3-years, limited onsite service, OID (Onsite International Delivery) / service upgrades available <i>For Lenovo service upgrade options, please go to S-TC sheet</i>																																																																						
Display	21.5" (546.1mm) Full HD 1080p (1920x1080) TFT color , LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare	Preload	Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit Ready to install applications (only some listed) <ul style="list-style-type: none"> Rescue and Recovery™ Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none"> ThinkVantage® Product Recovery ThinkVantage System Update ThinkVantage Communication Utility ThinkVantage Device Experience ThinkVantage AutoLock Desktop Power Manager View Management Utility 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 Power2Go (DVD±RW) Cyberlink PowerProducer (DVD±RW) Evernote® Nitro Pro 																																																																						
Multi-touch	None		<i>Some:</i> Windows 8.1 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit Web install applications (only some listed) <ul style="list-style-type: none"> Password Manager Preloaded applications (only some listed) <ul style="list-style-type: none"> ThinkVantage System Update ThinkVantage AutoLock Desktop Power Manager Lenovo Solution Center Lenovo Support Lenovo Companion Norton Internet Security (30 days of virus definitions) Skype™ Microsoft Office preloaded; purchase a product key to activate Cyberlink PowerDVD (DVD±RW, DVD) Cyberlink Power2Go (DVD±RW) Cyberlink PowerProducer (DVD±RW) Evernote® Nitro Pro AccuWeather Norton™ Studio Pokki Hightail 																																																																						
Camera	<i>Some:</i> 720p camera, 1.0-megapixel, fixed focus, digital microphone, LED indicator, physical switch on/off <i>Some:</i> 1080p camera, 2.0-megapixel, fixed focus, dual array digital microphone, LED indicator, physical switch on/off	Controls	Brightness up/down and power button on right side																																																																						
Chipset	Intel H81 Express Chipset	Chipset	Intel H81 Express Chipset																																																																						
Rear ports	Four USB 2.0, ethernet (RJ-45), VGA-out, optional serial (9-pin), optional PS/2 ports (mouse / keyboard)	Rear ports	Four USB 2.0, ethernet (RJ-45), VGA-out, optional serial (9-pin), optional PS/2 ports (mouse / keyboard)																																																																						
Side ports	Two USB 3.0, one microphone (stereo, 3.5mm), one headphone (stereo, 3.5mm)	Side ports	Two USB 3.0, one microphone (stereo, 3.5mm), one headphone (stereo, 3.5mm)																																																																						
ExpressCard	None	ExpressCard	None																																																																						
PCIe Mini Card	One PCI Express Mini Card slot (half size, for WLAN)	PCIe Mini Card	One PCI Express Mini Card slot (half size, for WLAN)																																																																						
Audio support	High Definition (HD) Audio, Realtek ALC269VC / internal speakers (2watt x 2)	Audio support	High Definition (HD) Audio, Realtek ALC269VC / internal speakers (2watt x 2)																																																																						
WLAN ¹³	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8723BE, Wi-Fi + Bluetooth combo adapter, 1x1 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8192EE, Wi-Fi + Bluetooth 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 <i>Some:</i> 11ac/a/b/g/n wireless, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo adapter, 2x2	WLAN ¹³	<i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8723BE, Wi-Fi + Bluetooth combo adapter, 1x1 <i>Some:</i> 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8192EE, Wi-Fi + Bluetooth 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 <i>Some:</i> 11ac/a/b/g/n wireless, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo adapter, 2x2																																																																						
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter																																																																						
Ethernet	One gigabit ethernet port, Intel I217-V, Wake on LAN	Ethernet	One gigabit ethernet port, Intel I217-V, Wake on LAN																																																																						
vPro & iAMT	None	vPro & iAMT	None																																																																						
Security chip	Trusted Platform Module, TCG 1.2-compliant	Security chip	Trusted Platform Module, TCG 1.2-compliant																																																																						
Environment	EPEAT™ Gold; ENERGY STAR® 6.0; GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; EUP Lot 3	Environment	EPEAT™ Gold; ENERGY STAR® 6.0; GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; EUP Lot 3																																																																						

See footnotes for more detailed information