

# ThinkCentre M810z Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron®, Intel Pentium®, or 6th / 7th Gen Intel Core™ i3 / i5 / i7 Processor						Security features	<ul style="list-style-type: none"><li>Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)</li><li>Smart USB protection, allows keyboard/ mouse only, blocks all storage devices</li><li>Optional cable lock to physically lock keyboard and mouse</li><li>Power-on, admin, hard disk password</li><li>Boot sequence control</li><li>Boot without keyboard and mouse</li><li>Individual USB port disablement</li><li>Optional Chassis intrusion switch</li></ul>								
	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics										
	Pentium G4400	2 / 2	3.3G	3 MB	DDR4-2133	HD 510										
	Pentium G4560	2 / 4	3.5G	3 MB	DDR4-2400	HD 610										
	Pentium G4600	2 / 4	3.6G	3 MB	DDR4-2400	HD 630										
	Core i3-6100	2 / 4	3.7G	3 MB	DDR4-2133	HD 530										
	Core i5-6500	4 / 4	3.2G / 3.6G	6 MB	DDR4-2133	HD 530										
	Core i7-6700	4 / 8	3.4G / 4.0G	8 MB	DDR4-2133	HD 530										
	Core i3-7100	2 / 4	3.9G	3 MB	DDR4-2400	HD 630										
	Core i5-7400	4 / 4	3.0G / 3.5G	6 MB	DDR4-2400	HD 630										
Memory	32GB max, DDR4-2400*, two 260-pin SO-DIMM sockets, dual-channel capable * System clocks down for the processors with lower memory controller						Keyboard	<i>Some:</i> Lenovo Calliope Keyboard (USB connector), black <i>Some:</i> Lenovo Traditional Keyboard (USB connector), black <i>Some:</i> Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black <i>Some:</i> Lenovo Calliope Mouse (USB connector), black <i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black								
	Storage	<i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5", 5400 rpm or 7200 rpm <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" <i>Some:</i> M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s <i>Some:</i> Intel Optane™ Memory (models with 7th gen Core processor), M.2 <i>Some:</i> DVD-ROM SATA 1.5Gb/s Drive, slim (9.5mm) <i>Some:</i> DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.5mm)														
		Optical	Optional 9-in-1 media card reader													
			Media reader	Optional 9-in-1 media card reader												
				Graphics	Intel HD Graphics 510/530/610/630 in processor, uses main memory, DirectX® 12, external monitor support via DisplayPort™; Max resolution: 4096x2304 (DP) @60Hz, 1920x1080 (Panel) @60Hz 21.5" (546.1mm) Full HD 1080p (1920x1080) TFT color, MVA panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, support Low Blue Light Mode Optional Projected Capacitive Touch (PCT) technology, supports 10-point touch Optional 1080p camera, fixed focus, with dual microphone, LED indicator, physical switch on/off Physical buttons for Microphone mute, brightness up/down, and power on/off											
					Display	Optional 1080p camera, fixed focus, with dual microphone, LED indicator, physical switch on/off										
						Multi-touch			Physical buttons for Microphone mute, brightness up/down, and power on/off							
									Camera	Physical buttons for Microphone mute, brightness up/down, and power on/off						
										Controls	Physical buttons for Microphone mute, brightness up/down, and power on/off					
											Chipset	Intel B250 Chipset				
Rear ports							Four USB 3.1 Gen1, ethernet (RJ-45), DisplayPort, optional serial (9-pin), Two USB 3.1 Gen1 (one is Always On and fast charge), optional card reader, one headphone / microphone combo jack (3.5mm)									
	Side ports						Two M.2 Card slots (one for WLAN, one for SSD/Optane)									
		M.2 card slot					Two M.2 Card slots (one for WLAN, one for SSD/Optane)									
			Audio support				High Definition (HD) Audio, Realtek ALC233 / two internal speakers (2W x 2), Dolby® Audio™ certified									
				WLAN <sup>13</sup>			<i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.1 combo adapter, 1x1 <i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2									
					Bluetooth™ Ethernet		<i>Some:</i> Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter Gigabit ethernet, Realtek RTL8111G, Wake on LAN®									
						Manageability	None									
							Security chip	TPM (Trusted Platform Module) 2.0, TCG Certified * Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS								

Mechanical	<ul style="list-style-type: none"><li>Business black color</li><li>Toolless stand</li><li>Support VESA mount (100mm)</li></ul>			
		Dimensions (WxDxH)	Max weight (lb / kg)	Adjustments
	Without stand:	21.1 X 1.8 X 14.3 (inch); 535 X 45 X 363 (mm)	(Touch) 14.6 / 6.6 (Non-touch) 12.8 / 5.8	N/A
	With Basic Monitor stand:	21.1 X 9.6 X 17.0 (inch); 535 X 245 X 431 (mm)	(Non-touch) 17.0 / 7.7	Tilt: 45° back, -5° forward
With UltraFlex II stand:	21.1X 10.0 X 19.3 (inch); 535 X 253 X 489 (mm)	(Touch) 20.3 / 9.2 (Non-touch) 18.3 / 8.3	Tilt: 61° back, -5° forward; Lift: 110mm; Swivel: +/-45°	

Power supply	150 watts, autosensing, 85% PSU
Limited warranty <sup>3</sup>	<i>Some:</i> <b>1-year or 3-year, depot repair service</b> / service upgrades available <i>Some:</i> <b>1-year or 3-year, limited onsite service</b> / service upgrades available
Preload	<b>Preloaded operating system</b> <i>Some:</i> Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit <i>Some:</i> Windows 10 Pro 64-bit <i>Some:</i> Windows 10 Home 64-bit <b>Preloaded applications (only some listed)</b> <ul style="list-style-type: none"><li>Microsoft Office preloaded; purchase a product key to activate</li><li>Only for Window 10</li><li>Lenovo Companion</li><li>Only for Window 7</li><li>Lenovo Solution Center</li><li>Lenovo ThinkVantage Tools</li><li>ThinkVantage System Update</li><li>Create Recovery Media</li><li>Adobe® Reader®</li><li>Cyberlink PowerDVD Create (DVD±RW)</li></ul>
Environment	EPEAT™ Gold rating (North America); ENERGY STAR® 6.1; TCO AIO Computer Certified; ErP Lot 3; GREENGUARD® certified; RoHS-compliant
MIL-SPEC test	MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock)
Accessories	For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>

See footnotes for more detailed information