

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				● Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) ● Smart USB protection, allows keyboard/ mouse only, blocks all storage devices ● Optional cable lock to physically lock keyboard and mouse				● Power-on, admin, hard disk password ● Boot sequence control ● Boot without keyboard and mouse ● Individual USB port disablement ● Optional Chassis intrusion switch			
	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												
	Core i5-7500	4 / 4	3.4G / 3.8G	6 MB	DDR4-2400	HD 630												
	Core i5-7600	4 / 4	3.5G / 4.1G	6 MB	DDR4-2400	HD 630												
	Core i7-7700	4 / 8	3.6G / 4.2G	8 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																	
Storage	Some: Hard Drive / SATA 6.0Gb/s, 2.5", 5400 rpm or 7200 rpm Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Some: M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s Some: Intel Optane™ Memory Ready (models with 7th gen Core processor), M.2																	
Optical	Some: DVD-ROM SATA 1.5Gb/s Drive, slim (9.5mm) Some: DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.5mm)																	
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																	
Display	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																	
Multi-touch	Optional Projected Capacitive Touch (PCT) technology, supports 10-point touch																	
Camera	Optional 1080p camera, fixed focus, with dual microphone, LED indicator, physical switch 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																		
Audio support	High Definition (HD) Audio, Realtek ALC233 / two internal speakers (2W x 2), Dolby® Audio™ certified																	
WLAN ¹³	Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1 Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.1 combo adapter, 1x1 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2																	
Bluetooth™ Ethernet	Some: 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																	
Keyboard	Some: Lenovo Calliope Keyboard (USB connector), black Some: Lenovo Traditional Keyboard (USB connector), black Some: Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black Some: Lenovo Calliope Mouse (USB connector), black Some: Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black																	
Mouse																		
Mechanical	● Business black color ● Toolless stand ● Support VESA mount (100mm)																	
		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 ³	Some: 1-year or 3-year, depot repair service / service upgrades available Some: 1-year or 3-year, limited onsite service / service upgrades available																	
Preload	Preloaded operating system Some: Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit Some: Windows 10 Pro 64-bit Some: Windows 10 Home 64-bit Preloaded applications (only some listed) ● Microsoft Office preloaded; purchase a product key to activate ● Cyberlink PowerDVD Create (DVD±RW) - Only for Window 10 ● Lenovo Companion ● Lenovo ID ● Lenovo Settings ● Cyberlink PowerDVD (DVD, DVD±RW) - Only for Window 7 ● Lenovo Solution Center ● Lenovo ThinkVantage Tools ● ThinkVantage System Update ● Create Recovery Media ● Adobe® Reader®																	
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 http://www.lenovoquickpick.com																	

See footnotes for more detailed information