## ThinkCentre M820z Platform Specifications

Processor	Intel® Celeron®, Intel Pentium®, or 8th Generation Intel Core™ i3 / i5 / i7 Processor						Security features	Security slot (in rear for attachment of     Power-on, admin, hard disk password
	Processor	Cores /	Frequency	Cacho	Memory Support	t Integrated	- '	optional Kensington® MicroSaver® cable; ● Boot sequence control
			Base/Max(GHz)		(Up to)	Graphics		<ul> <li>Kensington lock also locks chassis)</li> <li>Boot without keyboard and mouse</li> <li>Smart USB protection, allows keyboard/</li> <li>Individual USB port disablement</li> </ul>
	Celeron G4900	2/2	3.1G	2 MB	DDR4-2400	UHD 610	-	mouse only, blocks all storage devices   Optional Chassis intrusion switch
	Celeron G4920	2/2	3.2G	2 MB	DDR4-2400	UHD 610	Keyboard	Some: Lenovo Calliope Keyboard (USB connector), black
	Pentium Gold G5400 Pentium Gold G5500	2/4	3.7G 3.8G	4 MB 4 MB	DDR4-2400 DDR4-2400	UHD 630	+	Some: Lenovo Traditional Keyboard (USB connector), black
	Pentium Gold G5600	2/4	3.9G	4 MB	DDR4-2400 DDR4-2400	UHD 630	Mouse	Some: Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black Some: Lenovo Calliope Mouse (USB connector), black
	Core i3-8100	4/4	3.6G	6 MB	DDR4-2400 DDR4-2400	UHD 630		Some: Lenovo Fingerprint Mouse (USB connector), Windows Hello support, black
	Core i3-8300	4/4	3.7G	8 MB	DDR4-2400	UHD 630	1	Some: Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black
	Core i5-8400	6/6	2.8G / 4.0G	9 MB	DDR4-2666	UHD 630	Mechanical	Business black color
	Core i5-8500	6/6	3.0G / 4.1G	9 MB	DDR4-2666	UHD 630	†	<ul> <li>Toolless back cover, stand, memory removal</li> </ul>
	Core i5-8600	6/6	3.1G / 4.3G	9 MB	DDR4-2666	UHD 630	1	Support VESA mount (100mm)
	Core i7-8700	6/12	3.2G / 4.6G	12 MB	DDR4-2666	UHD 630	1	Dimensions (WxDxH) Max weight (lb / kg) Adjustments
Mamari								Without stand (No camera):
Memory	32GB max, DDR4-2666*, two 260-pin SO-DIMM sockets, dual-channel capable * System clocks down for the processors with lower memory controller							19.3 X 1.9 X 13.5 (inch) (Touch) 11.6 / 5.25 (Non-touch) 11.1 / 5.05 N/A
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 SSD / PCIe NVMe, PCIe 3.0 x 4*, 32Gb/s * 128GB SSD M.2 (2242) PCIe NVMe only supports PCIe 3.0 x 2, 16Gb/s Some: Intel Optane™ Memory (not support Celeron / Pentium Processor), M.2							With Full Function Monitor stand (No camera):
								19.3 X 9.9 X 14.8 to 19.1 (inch) 491 X 252 X 377 to 486 (mm) (Non-touch) 15.8 / 7.18 Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°
								With UltraFlex III stand (No camera):
Optical	Some: DVD-ROM SATA 1.5Gb/s Drive, slim (9.0mm)					51), IVI.L		19.3 X 9.9 X 16.4 (highest) (inch) (Touch) 17.3 / 7.85 Tilt: 70° back, -5° forward;
Media reader	Some: DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm) Optional 3-in-1 media card reader							491 X 252 X 416 (highest) (mm) (Non-touch) 16.9 / 7.65 Lift: 136mm; Swivel: +/-45°
Graphics	external monitor support via DisplayPort <sup>™</sup> ;  Max resolution: 4096x2304 (DP) @60Hz, 1920x1080 (Panel) @60Hz  21.5" (546.1mm) Full HD 1080p (1920x1080) TFT color, Borderless design,  MVA panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio,						Power supply	150 watts, autosensing, 90% PSU
							Limited warranty <sup>3</sup>	Some: 1-year or 3-year, depot repair service / service upgrades available
Display								Some: 1-year or 3-year, limited onsite service / service upgrades available
-17							Preload	Preloaded operating system
Multi-touch	1000:1 contrast ratio, anti-glare, support Low Blue Light Mode Optional multi-touch, supports 10-point, AIT (Advanced In-cell Touch) technology Optional 1080p camera, with dual microphone, LED indicator, physical switch on/					obnology		Some: Windows 10 Pro 64-bit
Camera						switch on/		Some: Windows 10 Home 64-bit Preloaded applications (only some listed)
	off, supports multi-degree rotation (horizontal 0° to 180°, vertical -25° to 25°)				, vertical -25° to	25°)		Lenovo Vantage
Controls	Physical buttons on side for microphone mute and power on/off							Microsoft Office preloaded;
Chipset	Intel B360 Chipset							<ul><li>purchase a product key to activate</li><li>Cyberlink PowerDVD (only for models with DVD / DVD±RW)</li></ul>
Rear ports*	Four USB 3.1 Gen1 (one supports Smart Power On), one ethernet (RJ-45),					45),		Cyberlink PowerDVD (only for models with DVD+RW)     Cyberlink Power2GO (only for models with DVD±RW)
·	one DisplayPort, one optional serial (9-pin),							LinkedIn
Side ports*	one optional card reader, one neadphone / microphone combo jack (3.5mm)						Environment	ENERGY STAR® 7.0*, EPEAT™ Gold rating* (*not for non-OS models), ErP Lot 3,
								TCO AIO Computer certified, GREENGUARD® certified, TUV Eye comfort certified
M.2 card slot	* Depending on many factors, actual data transfer speed may be lower than theoretical speed Two M.2 Card slots (one for WLAN, one for SSD/Optane)					elicai speed		(for Full Function Monitor Stand only), TUV Low Blue Light certified, TUV Ultra Low Noise certified (on some models), RoHS-compliant
Audio support	High Definition (HD) Audio, Realtek ALC233 / two internal speakers (2W x 2), Dolby <sup>®</sup> Audio™ Premium					/ x 2),	MIL-SPEC test	MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Fungus)
WLAN <sup>13</sup>	Some: 11ac wireless, M.2 Card, Realtek RTL8821CE (dual band), Wi-Fi + Bluetooth 4.2 combo adapter, 1x1 Some: 11ac wireless, M.2 Card, Realtek RTL8822BE (dual band), Wi-Fi + Bluetooth 4.2 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.2 combo adapter, 1x1 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265,						Accessories	For compatible accessories, please go to http://smartfind.lenovo.com
Pluotooth™								
	Wi-Fi + Bluetooth 4.2 combo adapter, 2x2  Some: Bluetooth 4.2/5.0 wireless, integrated in Wi-Fi + BT combo adapter							
Bluetooth™ Ethernet	Some: Bluetooth 4.2 Gigabit ethernet, Rea				ы combo adap	ner		
Manageability	None	AILOR I I I L	orria, wake on	L/\!\			-	
Security chip	Discrete TPM 2.0, TC	G Certifi	ed					
	estions above may not be						1	Langua July 2019