

# ThinkCentre M920z Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron®, Intel Pentium®, or 8th / 9th Gen Intel Core™ i3 / i5 / i7 / i9 series						Audio support	High Definition (HD) Audio, Realtek ALC233 / two internal speakers (3W x 2), Dolby® Audio™ Premium																								
	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics	WLAN	<i>Some:</i> 11ac Wi-Fi + BT 4.2, M.2 Card, Realtek RTL8821CE (dual band), 1x1 <i>Some:</i> 11ac Wi-Fi + BT 4.2, M.2 Card, Realtek RTL8822BE (dual band), 2x2 <i>Some:</i> 11ac Wi-Fi + BT 4.2, M.2 Card, Intel Dual Band Wireless-AC 3165, 1x1 <i>Some:</i> 11ac Wi-Fi + BT 4.2, M.2 Card, Intel Dual Band Wireless-AC 8265,, 2x2 <i>Some:</i> 11ac Wi-Fi + BT 5.0, M.2 Card, Intel Wireless-AC 9560 (dual band), Intel vPro technology support, 2x2																								
	Celeron G4900	2 / 2	3.1G	2 MB	DDR4-2400	UHD 610	Bluetooth™	<i>Some:</i> Bluetooth 4.2/5.0 wireless, integrated in Wi-Fi + BT combo adapter																								
	Celeron G4920	2 / 2	3.2G	2 MB	DDR4-2400	UHD 610	Ethernet	Gigabit ethernet, Intel Ethernet Connection I219-LM (Jacksonville), Wake on LAN®																								
	Celeron G4930	2 / 2	3.2G	2 MB	DDR4-2400	UHD 610	Manageability	Intel Active Management Technology 12.0 (Intel AMT 12.0); Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection)																								
	Celeron G4950	2 / 2	3.3G	2 MB	DDR4-2400	UHD 610	Security chip	Discrete TPM 2.0, TCG Certified																								
	Pentium Gold G5400	2 / 4	3.7G	4 MB	DDR4-2400	UHD 610	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>Power-on, admin, hard disk password</li> <li>Boot sequence control</li> <li>Boot without keyboard and mouse</li> <li>Smart USB protection, allows keyboard/ mouse only, blocks all storage devices</li> <li>Individual USB port disablement</li> <li>Optional Chassis intrusion switch</li> </ul>																								
	Pentium Gold G5420	2 / 4	3.8G	4 MB	DDR4-2400	UHD 610	Keyboard	<i>Some:</i> Lenovo Calliope Keyboard (USB connector), black <i>Some:</i> Lenovo Traditional Keyboard (USB connector), black																								
	Pentium Gold G5500	2 / 4	3.8G	4 MB	DDR4-2400	UHD 630	Mouse	<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 Fingerprint Mouse (USB connector), Windows Hello support, black <i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black																								
	Pentium Gold G5600	2 / 4	3.9G	4 MB	DDR4-2400	UHD 630	Mechanical	<ul style="list-style-type: none"> <li>Business black color</li> <li>Toolless back cover, stand, disk, memory removal</li> <li>Support VESA mount (100mm)</li> </ul>																								
	Pentium Gold G5620	2 / 4	4.0G	4 MB	DDR4-2400	UHD 630																										
	Core i3-8100	4 / 4	3.6G	6 MB	DDR4-2400	UHD 630																										
	Core i3-8300	4 / 4	3.7G	8 MB	DDR4-2400	UHD 630																										
	Core i5-8400	6 / 6	2.8G / 4.0G	9 MB	DDR4-2666	UHD 630																										
	Core i5-8500	6 / 6	3.0G / 4.1G	9 MB	DDR4-2666	UHD 630																										
	Core i5-8600	6 / 6	3.1G / 4.3G	9 MB	DDR4-2666	UHD 630																										
	Core i7-8700	6 / 12	3.2G / 4.6G	12 MB	DDR4-2666	UHD 630																										
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	Core i5-9400	6 / 6	2.9G / 4.1G	9 MB	DDR4-2666	UHD 630																										
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Core i7-9700	8 / 8	3.0G / 4.7G	12 MB	DDR4-2666	UHD 630																											
Core i9-9900	8 / 16	3.1G / 5.0G	16 MB	DDR4-2666	UHD 630																											
Memory	32GB max (16GB SO-DIMM only available via special bid models), DDR4-2666*, two 260-pin SO-DIMM sockets, dual-channel capable * System clocks down for the processors with lower memory controller						<table border="1"> <thead> <tr> <th>Dimensions (WxDxH)</th> <th>Max weight (lb / kg)</th> <th>Adjustments</th> </tr> </thead> <tbody> <tr> <td colspan="3">Without stand (No camera)</td> </tr> <tr> <td>21.3 X 1.8 X 13.7 (inch) 542 X 46 X 349 (mm)</td> <td>(Touch) 14.0 / 6.34 (Non-touch) 13.5 / 6.13</td> <td>N/A</td> </tr> <tr> <td colspan="3">With Full Function Monitor stand (No camera):</td> </tr> <tr> <td>21.3 X 9.9 X 15.9 to 20.2 (inch) 542 X 252 X 405 to 514 (mm)</td> <td>(Non-touch) 18.2 / 8.26</td> <td>Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°</td> </tr> <tr> <td colspan="3">With UltraFlex III stand (No camera):</td> </tr> <tr> <td>21.3 X 9.9 X 14.3 to 17.5 (inch) 542 X 252 X 363 to 444 (mm)</td> <td>(Touch) 19.7 / 8.94 (Non-touch) 19.2 / 8.73</td> <td>Tilt: 70° back, -5° forward; Lift: up to 136mm (flat mode) / up to 81mm (vertical mode); Swivel: +/-45°</td> </tr> <tr> <td colspan="3">Note: Camera adds 22mm in height (Vertical)</td> </tr> </tbody> </table>		Dimensions (WxDxH)	Max weight (lb / kg)	Adjustments	Without stand (No camera)			21.3 X 1.8 X 13.7 (inch) 542 X 46 X 349 (mm)	(Touch) 14.0 / 6.34 (Non-touch) 13.5 / 6.13	N/A	With Full Function Monitor stand (No camera):			21.3 X 9.9 X 15.9 to 20.2 (inch) 542 X 252 X 405 to 514 (mm)	(Non-touch) 18.2 / 8.26	Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°	With UltraFlex III stand (No camera):			21.3 X 9.9 X 14.3 to 17.5 (inch) 542 X 252 X 363 to 444 (mm)	(Touch) 19.7 / 8.94 (Non-touch) 19.2 / 8.73	Tilt: 70° back, -5° forward; Lift: up to 136mm (flat mode) / up to 81mm (vertical mode); Swivel: +/-45°	Note: Camera adds 22mm in height (Vertical)		
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Storage	<i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5", 5400 rpm or 7200 rpm, supports up to two HDDs (2nd HDD occupies ODD bay), RAID0/1 support (RAID preset only available via special bid model) <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" <i>Some:</i> M.2 SSD (2242 / 2280) / PCIe NVMe, PCIe 3.0 x2 or PCIe 3.0 x4 <i>Some:</i> Intel Optane™ Memory (not support Celeron / Pentium Processor), M.2																															
Optical	<i>Some:</i> DVD-ROM SATA 1.5Gb/s Drive, slim (9.0mm) <i>Some:</i> DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm)																															
Media reader	Optional 3-in-1 media card reader																															
Graphics	<b>Intel HD Graphics 610/630</b> in processor, uses main memory, DirectX® 12, external monitor support via DisplayPort™; <i>Max resolution:</i> 4096x2304 (DP)@60Hz, 1920x1080 (Panel)@60Hz <b>23.8"</b> (604.5mm) <b>Full HD 1080p (1920x1080) TFT color</b> , Borderless design, IPS (In Plane Switching) technology (IPS may refer to IPS, PLS, ADS, AHVA, AAS), wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, support Low Blue Light Mode, work as standalone monitor via DisplayPort (DP in / out combo)																															
Display	Optional multi-touch, supports 10-point, AIT (Advanced In-cell Touch) technology <i>Some:</i> 1080p camera, with dual microphone, LED indicator, physical switch on/off, supports multi-degree rotation (horizontal 0° to 180°, vertical -25° to 25°) <i>Some:</i> RGBIR camera, 1080p, with dual microphone, physical switch on/off, supports multi-degree rotation (horizontal 0° to 180°, vertical -25° to 25°) Windows Hello support, only available via special bid models																															
Multi-touch Camera	Physical buttons on side for microphone mute and power on/off																															
Controls	<b>Intel Q370 Chipset</b>																															
Chipset	Four USB 3.1 Gen1 (one supports Smart Power On), one ethernet (RJ-45), one DisplayPort in/out combo port, one optional serial (9-pin)																															
Rear ports*	one USB 3.1 Gen2 (one is Always On and fast charge), one USB 3.1 Gen1, one USB 3.1 Type-C Gen 1, one optional card reader, one headphone / microphone combo jack (3.5mm)																															
Side ports*	* Depending on many factors, actual data transfer speed may be lower than theoretical speed																															
M.2 card slot	Two M.2 Card slots (one for WLAN, one for SSD/Optane)																															
Power supply	150 watts, autosensing, 90% PSU																															
Limited warranty <sup>3</sup>	<i>Some:</i> <b>1-year</b> or <b>3-year, depot repair service</b> / service upgrades available <i>Some:</i> <b>1-year</b> or <b>3-year, limited onsite service</b> / service upgrades available																															
Preload	<b>Preloaded operating system</b> <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>Lenovo Vantage</li> <li>Microsoft Office preloaded; purchase a product key to activate</li> <li>Cyberlink PowerDVD (only for models with DVD / DVD±RW)</li> <li>Cyberlink Power2GO (only for models with DVD±RW)</li> <li>LinkedIn</li> </ul>																															
Environment	ENERGY STAR® 8.0*, EPEAT™ Silver rating* (*not for Celeron / Pentium/ non-OS models), ErP Lot 3, TCO AIO Computer certified, GREENGUARD® certified, TUV Eye comfort certified, TUV Low Blue Light certified, TUV Ultra Low Noise certified (on some models), 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, Fungus)																															
Accessories	For compatible accessories, please go to <a href="http://smartfind.lenovo.com">http://smartfind.lenovo.com</a>																															

Note: The specifications above may not be available in all regions.

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