

# ThinkCentre M920 SFF Platform Specifications

Product Specifications Reference (PSREF)

|                     |   |                 |                         |           |                        |                     |  |  |
|---------------------|---|-----------------|-------------------------|-----------|------------------------|---------------------|--|--|
| Processor           | Intel® Celeron®, Intel Pentium®, or 8th Generation Intel Core™ i3 / i5 / i7 Processor   |                 |                         |           |                        |                     | Ethernet   | Gigabit ethernet, Intel Ethernet Connection I219-LM(Jacksonville), Wake on LAN®  |
|                     | Processor   | Cores / Threads | Frequency Base/Max(GHz) | Cache     | Memory Support (Up to) | Integrated Graphics | Ethernet (Opt.)  | <i>Some:</i> Intel Ethernet Server Adapter I350-T4, gigabit ethernet, 4x RJ-45, PCIe x4<br><i>Some:</i> Bitland BN8E88, gigabit ethernet, 1x RJ-45, PCIe x1 (special bid only)   |
|                     | Celeron G4900   | 2 / 2           | 3.1G                    | 2 MB      | DDR4-2400              | UHD 610             | Manageability  | Intel Active Management Technology 12 (Intel AMT 12); Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection)   |
|                     | Celeron G4920   | 2 / 2           | 3.2G                    | 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 optional Kensington® MicroSaver® cable)</li> <li>Power-on password</li> <li>Administrator password</li> <li>Padlock loop</li> <li>Hard disk password</li> <li>Optional cable lock to physically lock both keyboard and mouse</li> <li>Boot sequence control</li> <li>Optional chassis intrusion switch</li> <li>Boot without keyboard and mouse</li> <li>Individual USB port disablement</li> <li>Optional chassis E-Lock (special bid)</li> <li>Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> </ul>   |
|                     | Pentium Gold G5500  | 2 / 4           | 3.8G                    | 4 MB      | DDR4-2400              | UHD 630             | Keyboard   | <i>Some:</i> Lenovo Calliope Keyboard (USB connector), black<br><i>Some:</i> Lenovo Traditional Keyboard (USB connector), black<br><i>Some:</i> Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black   |
|                     | Pentium Gold G5600  | 2 / 4           | 3.9G                    | 4 MB      | DDR4-2400              | UHD 630             | Mouse  | <i>Some:</i> Lenovo Keyboard (PS/2 connector), black (only available via special bid)<br><i>Some:</i> Lenovo Calliope Mouse (USB connector), black<br><i>Some:</i> Lenovo Fingerprint Mouse (USB connector), Windows Hello support, black<br><i>Some:</i> Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black<br><i>Some:</i> Lenovo Mouse (PS/2 connector), black (only available via special bid)  |
|                     | Core i3-8100  | 4 / 4           | 3.6G                    | 6 MB      | DDR4-2400              | UHD 630             | Mechanical   | <ul style="list-style-type: none"> <li>SFF (8.4L), black color, metal case</li> <li>(WxDxH) 3.6" X 11.4" X 13.5"; 92.5mm X 290.5mm X 343.5mm</li> <li>Approx. 13.23 lb (6 kg), weight may vary by configuration</li> <li>Toolless cover, disk, optical, extension card removal</li> <li>Optional dust filter</li> <li>Bay 1: Slim external ODD bay</li> <li>Bay 2: 3.5", 1" high, internal, HDD/SSD</li> <li>Bay 3: 2.5", internal, HDD/SSD (optional bay)</li> <li>Slot 1: low-profile (length &lt; 150mm, height &lt; 68mm), PCIe 3.0 x16</li> <li>Slot 2: low-profile (length &lt; 150mm, height &lt; 68mm), PCIe 3.0 x1</li> <li>Slot 3: low-profile (length &lt; 150mm, height &lt; 68mm), PCIe 3.0 x16 (x4 signal)</li> <li>Slot 4: no slot, only bracket for optional port extension</li> <li>M.2 card slots: Two (one for WLAN, one for SSD/Optane)</li> </ul> |
|                     | Core i3-8300  | 4 / 4           | 3.7G                    | 8 MB      | DDR4-2400              | UHD 630             | Floor Stand  | Optional system floor stand for vertical orientation   |
|                     | Core i5-8400  | 6 / 6           | 2.8G / 4.0G             | 9 MB      | DDR4-2666              | UHD 630             | Power supply   | <i>Some:</i> 180 watts, autosensing, 85% PSU<br><i>Some:</i> 210 watts, autosensing, 85% PSU<br><i>Some:</i> 260 watts, autosensing, 92% PSU (only available via special bid)  |
| Core i5-8500        | 6 / 6   | 3.0G / 4.1G     | 9 MB                    | DDR4-2666 | UHD 630                | Limited warranty    | <i>Some:</i> <b>1-year</b> or <b>3-year, depot service</b> / service upgrades available<br><i>Some:</i> <b>1-year</b> or <b>3-year, limited onsite service</b> / service upgrades available  |  |
| Core i5-8600        | 6 / 6   | 3.1G / 4.3G     | 9 MB                    | DDR4-2666 | UHD 630                | Preload             | <b>Preloaded operating system</b><br><i>Some:</i> Windows® 10 Pro 64-bit<br><i>Some:</i> Windows 10 Home 64-bit<br><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> |  |
| Core i7-8700        | 6 / 12  | 3.2G / 4.6G     | 12 MB                   | DDR4-2666 | UHD 630                | Environment         | ENERGY STAR® 6.1, EPEAT™ Gold rating (North America), ErP Lot 3, TCO, TUV low noise verified (coming soon, on some models), RoHS-compliant   |  |
| Memory              | 64GB max, UDIMM, DDR4-2666*, four 288-pin DIMM sockets, non-ECC, dual-channel capable<br>* System automatically clocks down for the processors with lower memory controller   |                 |                         |           |                        |                     | Accessories  | For compatible accessories, please go to <a href="http://smartfind.lenovo.com">http://smartfind.lenovo.com</a>   |
| Storage             | <i>Some:</i> Hard Drive / SATA 6.0Gb/s, 2.5" or 3.5", 5400 rpm or 7200 rpm<br><i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5"<br><i>Some:</i> M.2 Solid State Drive (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<br><i>Some:</i> Intel Optane™ Memory (not support Celeron / Pentium Processor), M.2<br><i>Some:</i> DVD-ROM, SATA 1.5Gb/s Drive, slim (9.0mm)<br><i>Some:</i> DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm)<br>Four onboard SATA 6.0Gb/s connectors, RAID 0/1 support (RAID preset only available via special bid model) |                 |                         |           |                        |                     |  |  |
| Optical             | <i>Some:</i> DVD-ROM, SATA 1.5Gb/s Drive, slim (9.0mm)<br><i>Some:</i> DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm)  |                 |                         |           |                        |                     |  |  |
| Onboard SATA        | Four onboard SATA 6.0Gb/s connectors, RAID 0/1 support (RAID preset only available via special bid model)   |                 |                         |           |                        |                     |  |  |
| Media reader        | Optional 7-in-1 media reader  |                 |                         |           |                        |                     |  |  |
| Graphics            | <b>Intel UHD Graphics 610/630</b> in processor, uses main memory, DirectX® 12, one VGA, two DisplayPort™, supports 3 independent displays, works along with discrete graphics to support more displays;<br><i>Max resolution:</i> 4096x2304 (DP)@60Hz; 2048x1536 (VGA)@50Hz<br><i>Some:</i> <b>NVIDIA GeForce® GT 730</b> , DirectX 12, 2GB, PCIe 2.0 x16 adapter, two DisplayPort, 35 watts;<br><i>Max resolution:</i> 3840x2160 (DisplayPort)@60Hz;   |                 |                         |           |                        |                     |  |  |
| Monitor cable       | Optional DP to VGA dongle, DP to DVI-D dongle, DP to dual DP dongle (for Collage Display with intel integrated graphics), or DP to HDMI 1.4 dongle  |                 |                         |           |                        |                     |  |  |
| Chipset             | <b>Intel Q370 Chipset</b>   |                 |                         |           |                        |                     |  |  |
| Front ports* (Std.) | 2x USB 3.1 Gen2, 2x USB 3.1 Gen1, 1x USB 3.1 Type-C Gen1 (15W charging), 1x microphone (3.5mm), 1x headphone / microphone combo jack (3.5mm)  |                 |                         |           |                        |                     |  |  |
| Front ports* (Opt.) | <i>Optional:</i> 1x media reader  |                 |                         |           |                        |                     |  |  |
| Rear ports* (Std.)  | 4x USB 3.1 Gen1, 1x serial (9-pin), 1x ethernet (RJ-45), 1x VGA, 2x DisplayPort, 1x line-out (3.5mm)  |                 |                         |           |                        |                     |  |  |
| Rear ports* (Opt.)  | <i>Optional:</i> 2x USB 2.0, 2x USB 3.1 Gen1 via PCIe x1, 2x USB 3.1 Type-C Gen2 via PCIe x4 (special bid only), 1x 2nd serial (9-pin), 4x serial (9-pin) via PCIe x1, 1x parallel (25-pin), 2x PS/2 ports (keyboard/mouse), 1x Thunderbolt 3 (combo USB3.1 Type-C Gen 2 / DisplayPort) via PCIe x4 (available on 09/30/2018), additional RJ-45 and video ports available on optional graphics or ethernet card<br>* Depending on many factors, actual data transfer speed may be lower than theoretical speed  |                 |                         |           |                        |                     |  |  |
| Audio support       | High Definition (HD) Audio, Realtek ALC233VB2 / internal speaker (2 watt)   |                 |                         |           |                        |                     |  |  |
| WLAN                | <i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8821CE (dual band), Wi-Fi + Bluetooth 4.2 combo adapter, 1x1<br><i>Some:</i> 11ac wireless, M.2 Card, Realtek RTL8822BE (dual band), Wi-Fi + Bluetooth 4.2 combo adapter, 2x2<br><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.2 combo adapter, 1x1<br><i>Some:</i> 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.2 combo adapter, 2x2<br><i>Some:</i> 11ac wireless, M.2 Card, Intel Wireless-AC 9560 (dual band), Wi-Fi + Bluetooth 5.0 combo adapter, Intel vPro technology support, 2x2 |                 |                         |           |                        |                     |  |  |
| Bluetooth           | <i>Some:</i> Bluetooth 4.2/5.0 wireless, integrated in Wi-Fi + BT combo adapter   |                 |                         |           |                        |                     |  |  |

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

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