## ThinkCentre M900z Platform Specifications

### Processor

<table>
<thead>
<tr>
<th>Processor</th>
<th>Cores / Threads</th>
<th>Frequency Base/Max(GHz)</th>
<th>Cache</th>
<th>Memory Types</th>
<th>Graphics</th>
<th>Intel vPro</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pentium G4400</td>
<td>2 / 2</td>
<td>3.3G</td>
<td>3 MB</td>
<td>DDR4-2133</td>
<td>HD 510</td>
<td>No</td>
</tr>
<tr>
<td>Pentium G4500</td>
<td>2 / 2</td>
<td>3.5G</td>
<td>3 MB</td>
<td>DDR4-2133</td>
<td>HD 530</td>
<td>No</td>
</tr>
<tr>
<td>Core i3-6100</td>
<td>2 / 2</td>
<td>3.7G</td>
<td>3 MB</td>
<td>DDR4-2133</td>
<td>HD 530</td>
<td>No</td>
</tr>
<tr>
<td>Core i3-6300</td>
<td>4 / 4</td>
<td>3.8G</td>
<td>4 MB</td>
<td>DDR4-2133</td>
<td>HD 530</td>
<td>vPro</td>
</tr>
<tr>
<td>Core i5-6400</td>
<td>4 / 4</td>
<td>2.7G / 3.3G</td>
<td>6 MB</td>
<td>DDR4-2133</td>
<td>HD 530</td>
<td>No</td>
</tr>
<tr>
<td>Core i5-6500</td>
<td>4 / 4</td>
<td>3.2G / 3.6G</td>
<td>6 MB</td>
<td>DDR4-2133</td>
<td>HD 530</td>
<td>vPro</td>
</tr>
<tr>
<td>Core i5-6600</td>
<td>4 / 4</td>
<td>3.3G / 3.9G</td>
<td>6 MB</td>
<td>DDR4-2133</td>
<td>HD 530</td>
<td>vPro</td>
</tr>
<tr>
<td>Core i7-6700</td>
<td>4 / 8</td>
<td>3.4G / 4.0G</td>
<td>8 MB</td>
<td>DDR3-1333</td>
<td>HD 530</td>
<td>vPro</td>
</tr>
</tbody>
</table>

### Memory

- 32GB max, DDR4 2133, two 260-pin SO-DIMM sockets, dual-channel capable
- M.2 card slot
- One M.2 Card slot (for WLAN)
- One headphone / microphone combo jack (3.5mm)
- Two USB 3.0 (one is Always On and fast charge), optional card reader, optional serial (9-pin), M.2 card slot (for WLAN)
- Memory DIMMs: 240-pin, UDIMM, 240-pin, 2.5V, unbuffered 1600 MHz, 1.5V, 1866 MHz, 2.5V, 1866 MHz

### Disk

- Some: SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm
- Some: Solid State Hybrid Drive (SSHD) / with 8GB MLN NAND flash memory, SATA 6.0Gb/s, 2.5" Wide, 5400 rpm
- Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide
- Some: DVD, SATA 1.5Gb/s, 9.5mm high
- Some: DVD burner, SATA 1.5Gb/s, 9.5mm high
- Some: SSD, SATA 6.0Gb/s, 2.5" Wide, 5400 rpm

### Optical

- Some: Optional Projected Capacitive Touch (PCT) technology, supports 10-point touch
- Some: Optional 2.0-megapixel camera, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off, Skype for Business certificated
- Some: Microphone mute, monitor mode switch, brightness up/down buttons, and power button

### Graphics

- Intel HD Graphics 510/530 in processor, uses main memory, DirectX® 12, external monitor support via DisplayPort™

### Display

- Max resolution: 4096x2304 (DP) @ 60Hz
- 23.8" (604.9mm) Full HD 1080p (1920x1080) TFT color, WVA panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare for both touch models and non-touch models, work as standalone monitor via DisplayPort (DP in / out combo)

### Chipset

- Intel Q170 Chipset

### Rear ports

- Four USB 3.0, ethernet (RJ-45), DisplayPort in/out combo port, optional serial (9-pin)

### Side ports

- Two USB 3.0 (one is Always On and fast charge), optional card reader, one headphone / microphone combo jack (3.5mm)

### M.2 card slot

- One M.2 Card slot (for WLAN)

### Audio support

- High Definition (HD) Audio, Realtek ALC286 / two internal stereo speakers (3W x 2), Dolby® Audio™ certified, Skype for Business certified

### WLAN™

- Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1
- Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1
- Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.0 combo adapter, 1x1
- Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2
- Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

### Bluetooth™

- Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

### Ethernet

- Gigabit ethernet, Intel Ethernet Connection 82583Z (Jacksonville), Wake on LAN®

### Manageability

- Intel Active Management Technology 11.0 (Intel AMT 11.0)
- Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection)

### Security chip

- Trusted Platform Module (TPM 1.2-compliant)

### Security features

- SSL (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
- Power-on, admin, hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Optional Chassis Intrusion switch

### Mechanical

- Business black color
- Toolless back cover, stand, disk, memory removal
- Support VESA mount (100mm)

### Power supply

- 150 watts, autosensing, 85% PSU

### Limited warranty

- Some: 1-year or 3-year, depot repair service
- Some: 1-year or 3-year, limited onsite service
- Some: 3-years, limited onsite service, OI/O (Onsite International Delivery)
- Some: 7 Professional 32/64

### Preloaded

- Preloaded operating system
  - Windows 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit
  - Windows 7 Professional 64
  - Windows 10 Home 64-bit
  - Windows 10 Home 64-bit

### Preloaded applications (only some listed)

- Desktop Power Manager
- Lenovo Companion
- Cyberlink PowerDVD (DVD, DVD±RW)
- Lenovo REACHit
- Lenovo SHAREit
- Desktop Power Manager
- Lenovo Message Center Plus
- Lenovo REACHit
- Lenovo SHAREit
- Lenovo Desktop Power Manager
- Lenovo LiveSafe

### Environment

- EPEAT™ Gold rating; ENERGY STAR® 6.1; TCO Certified Edge;
- UV Green Mark; ÜLE Gold; EoP Lot 3; GREENGUARD® certified;
- RoHS-compliant

### MIL-SPEC test

- MIL-STD-810G military specification

### Accessories

- For compatible accessories, please go to TC-AQP sheet

See footnotes for more detailed information © Lenovo (M900z-Spec) July 2016