ThinkCentre M93/M93p Tower Platform Specifications

**Processor**

<table>
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<tr>
<th>Processor</th>
<th>Cores / Threads</th>
<th>Frequency (Base/Max)</th>
<th>Cache</th>
<th>Memory Types</th>
<th>Integrated Graphics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core i3-4130</td>
<td>2 / 4</td>
<td>3.4 GHz</td>
<td>3 MB</td>
<td>DDR3-1600</td>
<td>HD 4400</td>
</tr>
<tr>
<td>Core i5-4570</td>
<td>4 / 4</td>
<td>3.2 GHz / 3.6 GHz</td>
<td>6 MB</td>
<td>DDR3-1600</td>
<td>HD 4600</td>
</tr>
<tr>
<td>Core i5-4590</td>
<td>4 / 4</td>
<td>3.3 GHz / 3.7 GHz</td>
<td>6 MB</td>
<td>DDR3-1600</td>
<td>HD 4600</td>
</tr>
<tr>
<td>Core i5-4670</td>
<td>4 / 4</td>
<td>3.4 GHz / 3.8 GHz</td>
<td>6 MB</td>
<td>DDR3-1600</td>
<td>HD 4600</td>
</tr>
<tr>
<td>Core i7-4770</td>
<td>4 / 8</td>
<td>3.4 GHz / 3.9 GHz</td>
<td>8 MB</td>
<td>DDR3-1600</td>
<td>HD 4600</td>
</tr>
<tr>
<td>Core i7-4790</td>
<td>4 / 8</td>
<td>3.6 GHz / 4 GHz</td>
<td>8 MB</td>
<td>DDR3-1600</td>
<td>HD 4600</td>
</tr>
</tbody>
</table>

**Memory**

- 32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets

**Disk**

- SATA 6.0Gbps
- Some: 500GB (5400 rpm, 2.5" wide) or 1TB (7200 rpm, 3.5" wide) hybrid hard disk
- Some: Solid State Drive (SSD) / SATA 6.0Gbps, 2.5" Wide

**Optical**

- DVD-ROM SATA 1.5Gbps Drive
- Some: Super Multi Burner DVD+RW SATA 1.5Gbps Drive

**Onboard SATA**

- Two SATA cables (each 1-drop to device), three SATA 6.0Gbps connectors
- One eSATA connector (SATA 6.0Gbps)

**Graphics**

- Intel HD Graphics 4400/4600 in processor, uses main memory, DirectX® 11, one VGA, two DisplayPort™ supports three independent displays, works along with discrete graphics to support five independent monitors:
- AMD Radeon HD 6870, DirectX 11, 3D Hardware Acceleration
- NVIDIA® GeForce® GT 620, DirectX 11, 3D Hardware Acceleration

**Preload**

- Windows 7 Professional 32
- Windows 7 Professional 64

**Power supply**

- 280 watts, autosensing, 85% PSU

**Limited warranty**

- 3-years, limited onsite service / service upgrades available

**Environmental**

- ENERGY STAR® 6.0 (Need 85% PSU and Windows OS)
- EPEAT® Gold rating (Need 85% PSU and Windows OS)
- GREENGUARD®; ROHS-compliant; Cisco EnergyWise compatible; ULE Gold

**Security features**

- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Power-on password

**Security chip**

- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Optional Chassis intrusion switch

**Keyboard**

- Preferred Pro USB Keyboard (USB connector), Lenovo logo

**Mouse**

- Enhanced Optical USB Mouse, black, Lenovo logo

**Mechanical**

- Mini Tower (25L), business black color, metal case

**Chipset**

- Intel Q87 Chipset

**Audio support**

- High Definition (HD) Audio, Realtek ALC662 / optional internal speaker (1watt)

**WLAN**

- Some: 11b/g/n, PCIe Half Mini Card, Realtek RTL8723BSE, Wi-Fi/BT 4.0, 1x1

**Bluetooth**

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

**Ethernet Modem**

- None

**Environment**

- ENERGY STAR® 6.0 (Need 85% PSU and Windows OS)
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**Power on**

- Some: One gigabit ethernet port, Intel I217-LM (Clarkville), Wake on LAN®

**USB 3.0**

- Two USB 3.0, two optional USB 2.0, microphone (stereo, 3.5mm)

**Intel® Active Management Technology 9.0 (Intel AMT 9.0):**

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

**Preload operating system**

- No preloaded operating system

**Preloaded applications**

- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- Desktop Power Manager
- View Management Utility
- Lenovo Cloud Storage by SugarSync
- Lenovo Solution Center
- Lenovo Message Center Plus
- Norton™ Internet Security (30 days of virus definitions)
- Adobe® Reader®
- Skype™
- Microsoft Office preloaded; purchase a product key to activate

**Accessories**

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