ThinkCentre M83 Tower Platform Specifications

**Processor**

<table>
<thead>
<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>Pentium G3220</td>
<td>2 / 2</td>
<td>3 GHz</td>
<td>3 MB</td>
<td>DDR3-1333</td>
<td>Intel HD</td>
</tr>
<tr>
<td>Pentium G3240</td>
<td>2 / 2</td>
<td>3.1 GHz</td>
<td>3 MB</td>
<td>DDR3-1333</td>
<td>Intel HD</td>
</tr>
<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 i3-4150</td>
<td>2 / 4</td>
<td>3.5 GHz</td>
<td>3 MB</td>
<td>DDR3-1600</td>
<td>HD 4400</td>
</tr>
<tr>
<td>Core i5-4430</td>
<td>4 / 4</td>
<td>3 GHz / 3.2 GHz</td>
<td>6 MB</td>
<td>DDR3-1600</td>
<td>HD 4600</td>
</tr>
<tr>
<td>Core i5-4460</td>
<td>4 / 4</td>
<td>3.2 GHz / 3.4 GHz</td>
<td>6 MB</td>
<td>DDR3-1600</td>
<td>HD 4600</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 / 4</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**

Some: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm

Some: 500GB (5400 rpm, 2.5" wide) or 1TB (7200 rpm, 3.5" wide) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s

Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide

Some: DVD-ROM SATA 1.5Gb/s Drive

Some: Super Multi-Burner DVD±RW SATA 1.5Gb/s Drive

**Onboard SATA**

Two SATA cables (each 1-drop to device), three SATA 6.0Gb/s connectors, one eSATA connector (SATA 6.0Gb/s)

**Media reader**

Optional 29-in-1 media reader, internal USB 2.0

**Graphics**

Intel HD Graphics or Intel HD Graphics 4400/4600 in processor, uses main memory, Direct3D® 11, one VGA, two DisplayPort™, supports three independent displays, works along with discrete graphics to support five independent displays:

Max resolution: 3840x2160 (DP)@60Hz (HD 4x00); 2560x1600 (DP)@60Hz (Intel HD); 1920x1200 (VGA)@60Hz (Reduced Blanking)

Some: AMD Radeon HD 6570, DirectX 11, 3D Hardware Acceleration, 2GB, PCI Express 3.0 x16 adapter (8x elec), one VGA, one HDMI, 40 watts; Max resolution: 4096x2160 (HDMI)@24Hz; 2048x1536 (VGA)@85Hz

Some: AMD Radeon HD 7470, DirectX 11, 3D Hardware Acceleration, 512MB, PCI Express® 2.0 x16 adapter, one VGA, one DisplayPort, 25 watts; Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz

Some: AMD Radeon™ HD 7450, DirectX 11, 1GB, PCI Express 2.0 x16 adapter, one VGA, DisplayPort, 25 watts; Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz

Some: NVIDIA® GeForce® GT 620, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, DisplayPort, 30 watts; Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz

Some: NVIDIA® GeForce® GT 620, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one VGA, DisplayPort, 30 watts; Max resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz

**Chipset**

Intel Q85 chipset

**Preload**

Preloaded operating system

Some: Windows™ 7 Professional 64

Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit

Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit

Ready to install applications (only some listed)

- Rescue and Recovery™
- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- Desktop 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
- Cyberlink PowerDVD (DVD±RW, DVD)
- Cyberlink Power2Go (DVD±RW)
- Cyberlink PowerProducer (DVD±RW)
- Evernote
- Intel AppUp
- Intel Small Business Advantage
- Nitro Pro

**Accessories**

For compatible accessories, please go to TC-AQP sheet

See footnotes for more detailed information © Lenovo

(M83 Tower-Spec) November 2014