ThinkStation P330 Tower Gen 2 (30CY and 30D0) Platform Specifications - I of II

Product Specifications Reference (PSREF)

Components | Specification
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Form factor | 18L Tower
Dimensions | Height: 376 mm (14.8 in), Width: 165 mm (6.5 in), Depth: 328 mm (12.9 in)
Weight | Maximum configuration: 23.37 lb (10.6kg)
Supports one of the following processors:
- Xeon E-2286G: 2C/4T/4.0GHz/8MB/83W/DDR4-2666
- Xeon E-2278G: 2C/4T/3.4GHz/8MB/83W/DDR4-2666
- Xeon E-2276G: 2C/4T/3.1GHz/8MB/83W/DDR4-2666
- Xeon E-2274G: 2C/4T/3.0GHz/8MB/83W/DDR4-2666
- Xeon E-2264G: 2C/4T/2.9GHz/8MB/83W/DDR4-2666
- Xeon E-2244G: 2C/4T/2.8GHz/8MB/83W/DDR4-2666
- Xeon E-2234G: 2C/4T/2.7GHz/8MB/83W/DDR4-2666
- Xeon E-2224G: 2C/4T/2.6GHz/8MB/83W/DDR4-2666
- Xeon E-2214G: 2C/4T/2.5GHz/8MB/83W/DDR4-2666
- Xeon E-2186G: 2C/4T/2.2GHz/8MB/83W/DDR4-2666
- Xeon E-2174G: 2C/4T/2.1GHz/8MB/83W/DDR4-2666
- Core i9-9900K: 8C/16T/3.6GHz/16MB/95W/DDR4-2666
- Core i9-9900: 8C/16T/3.1GHz/16MB/65W/DDR4-2666
- Core i7-9700K: 8C/16T/3.6GHz/12MB/95W/DDR4-2666
- Core i7-9700: 8C/16T/3.0GHz/12MB/65W/DDR4-2666
- Core i5-9500K: 6C/6T/3.9GHz/9MB/65W/DDR4-2666
- Core i5-9500: 6C/6T/3.7GHz/9MB/65W/DDR4-2666
- Core i5-9400F: 6C/6T/3.1GHz/6MB/65W/DDR4-2666
- Core i5-9400: 6C/6T/3.0GHz/6MB/65W/DDR4-2666
- Core i3-9330K: 4C/4T/4.1GHz/6MB/65W/DDR4-2666
- Core i3-9320K: 4C/4T/3.7GHz/6MB/65W/DDR4-2666
- Core i3-8350K: 4C/4T/4.0GHz/6MB/65W/DDR4-2666
- Core i3-8300: 4C/4T/3.7GHz/6MB/65W/DDR4-2666
- Core i3-8100: 4C/4T/3.6GHz/6MB/65W/DDR4-2666

Chipset | Intel C246 Chipset
Memory Sockets | 4 DIMM sockets with 2 channels
Memory Types | 8GB/16GB DDR4-2666 UDIMM ECC or 4GB/8GB/16GB/32GB DDR4-2666 UDIMM non-ECC
Memory Capacity | 64GB with 4 x 16GB for UDIMM ECC or 128GB with 4 x 32GB UDIMM non-ECC
Memory Protection | ECC on models with UDIMM ECC memory
Expansion slots | Three PCIe 3.0 slots as follows:
- Slot 1 PCIe 3.0 x16, full height, half length, links to CPU
- Slot 2 PCIe 3.0 x1, full height, full length, links to PCH
- Slot 3 PCIe 3.0 x16 (negotiable link width x4), full height, half length, links to PCH

Processor graphics | Integrated Intel UHD Graphics P630 in -G suffix Xeon processors, or Intel UHD Graphics 630 in Core i7, i5, i3, or Pentium processors. Works along with discrete graphics to support multi-display, enables three rear display connectors (2 DP standard, 1 DP or HDMI optional)

Discrete Graphics Offering | Up to two PCIe x16 slots for discrete graphics card (Slot 1 and 3). Supports the following graphics adapters:
- **Quadro P400**: 2GB wDDR5, 30W, 3x miniDP
- **Quadro P620**: 2GB GDDR5, 40W, 4x miniDP
- **Quadro P1000**: 4GB GDDR5, 50W, 4x miniDP
- **Quadro P2000**: 5GB GDDR5, 75W, 4x DP
- **Quadro P2200**: 5GB GDDR5X, 75W, 4x DP
- **Quadro P4000**: 8GB GDDR5, 105W, 4x DP
- **Quadro P5000**: 16GB GDDR5X, 180W, DVI-D, DL + 4x DP
- **Quadro RTX 4000**: 8GB GDDR6, 160W, 3x DP
- **Vega 65**: 1x VirtualLink

Storage Support | Up to five bays with four disk bays plus one slim optical bay, supports up to 3x 3.5" HDD plus 1x 2.5" SSD, or 4x 2.5" SSD
Storage Bays | Supports the following graphics adapters:
- Quadro P1000, Quadro P2000, Quadro P2200, Quadro P4000 or Quadro RTX 4000 needs 400W PSU
- Supports the following graphics adapters:
- **Quadro P4000**: 2GB wGDDR5, 30W, 3x miniDP
- **Quadro P620**: 2GB wGDDR5, 40W, 4x miniDP
- **Quadro P1000**: 4GB GDDR5, 50W, 4x miniDP
- **Quadro P2000**: 5GB GDDR5, 75W, 4x DP
- **Quadro P2200**: 5GB GDDR5X, 75W, 4x DP
- **Quadro P4000**: 8GB GDDR5, 105W, 4x DP
- **Quadro P5000**: 16GB GDDR5X, 180W, DVI-D, DL + 4x DP
- **Quadro RTX 4000**: 8GB GDDR6, 160W, 3x DP
- **Vega 65**: 1x VirtualLink

Base warranty | 1 or 3-year limited onsite service with 9x5/NBD, 1 or 3-year limited onsite service with 9x5/NBD in EMEA or other GEOs

Lenovo, March 2020
<table>
<thead>
<tr>
<th>Components</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front ports</td>
<td>2x USB 3.1 Gen 1 Type A, 2x USB 3.1 Gen 2 Type A, 1x USB 3.1 Gen 1 Type-C, 1x Mic-in, 1x Combo jack</td>
</tr>
<tr>
<td>Rear ports</td>
<td>2x USB 3.1 Gen 1 Type A, 2x USB 2.0 Type-A, 1x RJ-45, 1x COM, 2x DP, 1x Audio line-out</td>
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<tr>
<td>Notes: DP needs Core, Pentium, or -G suffix Xeon processor</td>
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<tr>
<td>Optional front ports (on flex module)</td>
<td>2x Thunderbolt (USB Type-C), one of two ports supports video-out. 1x eSATA, 1x IEEE1394</td>
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<tr>
<td>Optional rear ports</td>
<td>Supports the following via cable: 1x COM, 1x Parallel, 2x PS/2, 1x DP or 1x HDMI, 2x USB 2.0 4x COM, 2x USB 3.1 Type-C, 2x USB 3.1 Gen 1, 1x Thunderbolt. Notes: DP or HDMI needs Core, Pentium, or -G suffix Xeon processor</td>
</tr>
<tr>
<td>Temperature</td>
<td>Operating: 50 °F to 95 °F (10 °C to 35 °C) Non operating (no package): -10 °F to 140 °F (-10 °C to 60 °C) Non operating (with package): -40 °F to 140 °F (-40 °C to 60 °C)</td>
</tr>
<tr>
<td>Altitude</td>
<td>Operating: -15.2 m (-50 ft) to 3048 m (10 000 ft). Storage: -15.2 m (-50 ft) to 10, 668 m (35 000 ft)</td>
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<tr>
<td>Humidity</td>
<td>Operating: 30%–90%, non-condensing Storage (with package): 20%–90%, non-condensing</td>
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<tr>
<td>Environmental certification</td>
<td>RoHS-compliant, GREENGUARD, EPEAT Silver rating and ENERGY STAR 7 qualified</td>
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<tr>
<td>Power supply</td>
<td>Supports one 250W or 400W power supply, 100V - 240V, 92% PSU. Climate Savers Computing Platinum and 80 PLUS Platinum qualified. 400W PSU supports one 6+2-pin aux power connector.</td>
</tr>
<tr>
<td>SV certifications</td>
<td>Please visit <a href="http://www.thinkworkstations.com/isv-certifications/">www.thinkworkstations.com/isv-certifications/</a></td>
</tr>
</tbody>
</table>

Note:
1. Depending on many factors, actual data transfer speed mentioned on this page may be lower than theoretical speed.
2. Any questions or advice on ThinkStation PSREF, please contact ThinkStation PSREF developer.