# ThinkStation P330 Tower 30C5000YUS

**Product**
ThinkStation P330 Tower

**Region**
NA

**Country**
US

**Machine Type**
30C5

**TopSeller**
TopSeller

**Processor**
Xeon E-2136 6C/12T/3.3GHz/12MB/80W/DDR4-2666

**Memory**
1x 16GB UDIMM DDR4-2666 ECC

**Processor Graphics**
None

**Discrete Graphics Card**
1x Quadro P2000 5GB

**Monitor Cable**
None

**Disks**
None

**Flex Bay**
None

**Optical**
9.0mm DVD±RW

**Optane Memory**
None

**M.2 Drives**
1x 512GB SSD M.2 PCIe Opal

**WLAN + Bluetooth**
None

**Media Reader**
SD Reader

**Available Networking Ports**
1x GbE

**Chassis Intrusion Switch**
Chassis Intrusion Switch

**Cable Lock**
None

**System Management**
Intel AMT 12

**Optional Front Ports**
None

**Optional Rear Ports**
None

**Power Supply**
Fixed 250W Platinum

**Keyboard**
USB Full

**Mouse**
USB Optical

**Floor Stand for SFF**
None

**Operating System**
Windows 10 Pro 64 for Workstations

**Warranty**
3-year, Onsite

**Global**
No

**End of Support**
2024/08/24

**Ann Date (mm/yy)**
2018/07/24

Note:

* Country Code "US" is for United States, "++" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "**" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/ EAST/MEA models listed above might not be available in all countries

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# ThinkStation P330 Tower Platform Specifications



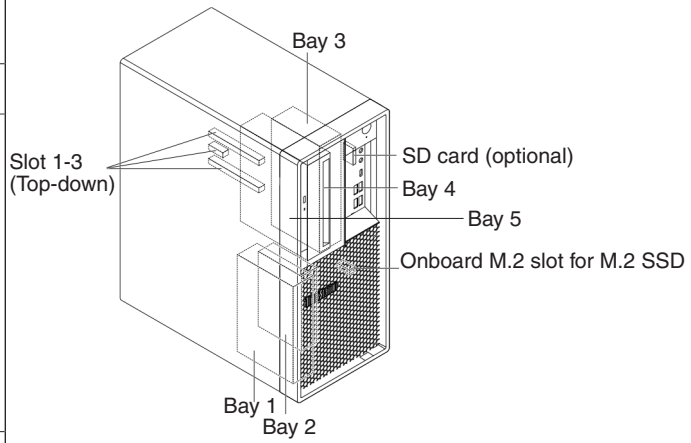
| Components | Specification |
|---|---|
| Machine Type | MT 30C5 for Transactional model and MT 30C6 for Relationship model.<br>For configuration of all 30C5 EMEA and US models, please visit:<br>http://psref.lenovo.com/Product/ThinkStation/ThinkStation_P330_Tower |
| Form factor | 18L Tower |
| Dimensions | Height: 376 mm (14.8 in). Width: 165 mm (6.5 in). Depth: 328 mm (12.9 in) |
| Weight | Maximum configuration: 23.4 lb (10.6kg) |
| Processor | Up to one Intel Xeon E family processor, up to 95W, up to 6 cores at 3.8GHz, up to 12MB cache, up to DDR4-2666 memory speed.<br>Or up to one 8th Intel Core family processor, i7, i5, or i3, up to 95W, up to 6 cores at 3.7GHz, up to 12MB cache, up to DDR4-2666 memory speed.<br>Or up to one Intel Pentium Gold G5400 via Special Bids, 54W, 2 cores at 3.7GHz, 4MB cache, DDR4-2400 memory speed |
| Chipset | Intel C246 Chipset |
| Memory | 4 DIMM sockets. DDR4-2666. UDIMM. ECC and non-ECC are supported, but memory types cannot be intermixed |
| Memory capacity | Up to 64GB with 4x 16GB, both ECC and non-ECC |
| Memory protection | ECC with ECC UDIMM. Core i7 and i5 processors cannot support ECC UDIMM |
| Expansion slots | Three PCIe 3.0 slots as following:<br>Slot 1: PCIe 3.0 x16, full height, half length, links to CPU<br>Slot 2: PCIe 3.0 x1, full height, full length, links to PCH<br>Slot 3: PCIe 3.0 x16 (negotiable link width x4), full height, half length, links to PCH |
| Graphics - Processor graphics | Integrated Intel UHD Graphics P630 in -G suffix Xeon processors, or Intel UHD Graphics 630 in Core i7, i5, or i3 processors, or Intel UHD Graphics 610 in Pentium Gold G5400.<br>Works along with discrete graphics to support multi-display, enables three display connectors (2x DP, 1x HDMI. HDMI is optional) on rear |
| Graphics - Discrete graphics card | Up to two PCIe 3.0 x16 slots for discrete graphics card (Slot 1 and 3). Supports the following graphics adapters: |

| Adapter | Cores | Memory | Power | Connectors | Max qty |
|---|---|---|---|---|---|
| NVS 810 | 1024 | 4GB DDR3 | 68W | 8x miniDP | 1 |
| Quadro P400 | 256 | 2GB GDDR5 | 30W | 3x miniDP | 2 |
| Quadro P620 | 512 | 2GB GDDR5 | 40W | 4x miniDP | 2 |
| Quadro P1000 | 640 | 4GB GDDR5 | 47W | 4x miniDP | 2 |
| Quadro P2000 | 1024 | 5GB GDDR5 | 75W | 4x DP | 2 |
| Quadro P4000 | 1792 | 8GB GDDR5 | 105W | 4x DP | 1 |
| Geforce GTX 1060 | 1280 | 6GB GDDR5 | 120W | DVI-D DL, HDMI, 3x DP | 1 |
| Geforce GTX 1070 | 1920 | 8GB GDDR5 | 150W | DVI-D DL, HDMI, 3x DP | 1 |
| Geforce GTX 1080 | 2560 | 8GB GDDR5X | 180W | DVI-D DL, HDMI, 3x DP | 1 |
| Radeon Pro WX 3100 | 512 | 4GB GDDR5 | 50W | DP, 2x miniDP | 2 |
| Radeon Pro WX 4100 | 1024 | 4GB GDDR5 | 50W | 4x miniDP | 2 |

*Notes:*
*1. Quadro P4000, 2x Quadro P2000, Geforce GTX1060/1070/1080 needs 400W PSU.*
*2. Geforce GTX 1060/1070/1080 are dual-slot width.*
*3. Geforce GTX 1060/1070/1080 and Radeon Pro WX 3100/4100 are SBO.*

| | |
|---|---|
| Storage controllers | Integrated Intel SATA AHCI/RAID controller in chipset, 6Gbps SATA, RAID 0/1/10/5. Four onboard SATA ports for max 4 SATA HDD/SSD/ODD |
| Internal storage bay | 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<br>Bay 1: Primary disk bay, 3.5" or 2.5"<br>Bay 2: 2.5" SATA bay, cannot be available when 2nd Quadro P2000 is used<br>Bay 3: Secondary disk bay, 3.5" or 2.5"<br>Bay 4: 5.25" Flex bay, supports one of the following:<br>• Flex module for optional front eSATA/Thunderbolt/IEEE1394<br>• 3rd disk bay, 3.5" or 2.5", removable, via Front Access Storage Enclosure, using SATA 4 connector as eSATA mode<br>• 3rd disk bay, 3.5" or 2.5",via 5.25" to 3.5" HDD Kit<br>• M.2 drive, via Front removable M.2 enclosure, also occupies slot 1 or 3<br>Bay 5: 9mm Slim ODD bay |
| Disks | 3.5" HDD supports up to 4TB each, 6Gbps SATA, 7.2K<br>2.5" SSD supports up to 1TB each, 6Gbps SATA |

| Components | Specification |
|---|---|
| M.2 slot for SSD | Up to 3x M.2 SSD with one dedicated onboard M.2 slot plus two PCIe to M.2 adapters. PCIe to M.2 adapter uses slot 1 or 3.<br>Supports RAID 0/1 with PCH, When used as RAID, M.2 SSD should be installed in onboard M.2 slot and slot 3.<br>Up to one Optane memory per system; Optane memory must work with a HDD or SSD; Optane memory cannot supported on Pentium G5400 models |
| M.2 SSD | M.2 SSD supports up to 1TB each, PCIe 3.0 x4, NVMe, Opal.<br>Optane memory supports 32GB, PCIe 3.0 x2, NVMe, 3D Xpoint |
| M.2 slot for Wi-Fi and Bluetooth | One dedicated onboard M.2 slot for optional Intel Wireless-AC 9560, 2x2, 2.4GHz/5GHz (160MHz channels), 802.11ac, Bluetooth 5, up to 1.73Gbps |
| Media reader | Optional SD card reader on most models |
| Network interfaces | One onboard GbE port via integrated gigabit ethernet Intel i219LM, supports Wake-on-LAN. Optional PCIe ethernet adapters are available |
| Security features | Power-on and admin password. Trusted Platform Module, TCG 2.0 compliant.<br>Optional chassis intrusion switch, cable lock, Kensington lock, and pad lock |
| Systems management | Intel Active Management Technology 12 on Xeon models,<br>Intel Standard Manageability on other models |
| Base warranty | US models comes with 3-year limited onsite service with 9x5/NBD.<br>1 or 3-year limited onsite service with 9x5/NBD in EMEA or other GEOs |
| HD Audio | Intel HD Audio interface with Realtek ALC233 Codec |
| Front ports | 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 |
| Rear ports | 2x USB 3.1 Gen 1 Type A. 2x USB 2.0 Type-A. 1x RJ-45. 1x COM. 2x DP.<br>*Notes: DP needs Core, Pentium, or -G suffix Xeon processor* |
| Optional front ports (on flex module) | 2x Thunderbolt (USB Type-C), one of two ports supports video-out.<br>1x eSATA. 1x IEEE1394 |
| Optional rear ports | 2x USB 3.1 Type-C. 1x COM. PS/2. 1x Parallel. 1x Thunderbolt. 1x IEEE1394. 1x HDMI.<br>*Notes: HDMI needs Core, Pentium, or -G suffix Xeon processor* |
| Temperature | Operating: 41 °F to 104 °F (10 °C to 35 °C)<br>Non operating (no package): 14 °F to 140 °F (-10 °C to 60 °C)<br>Non operating (with package): -40 °F to 140 °F (-40 °C to 60 °C) |
| Altitude | Operating: -15.2 m (-50 ft) to 3048 m (10 000 ft).<br>Storage: -15.2 m (-50 ft) to 10, 668 m (35 000 ft) |
| Humidity | Operating: 30%~90%, non-condensing<br>Storage (with package): 20%~90%, non-condensing |
| Environmental certification | RoHS-compliant. GREENGUARD. EPEAT Gold rating and ENERGY STAR 7 qualified |
| Power supply | Supports one 250W or 400W power supply, 100V - 240V, 92% PSU.<br>Climate Savers Computing Platinum and 80 PLUS Platinum qualified.<br>400W PSU supports one 6+2-pin aux power connector. |
| ISV certifications | Please visit www.thinkworkstations.com/isv-certifications/ |



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