

# ThinkStation P330 Tower 30C5000GUS

Product  
ThinkStation P330 Tower

Region  
NA

Country  
US

Machine Type  
30C5

TopSeller  
TopSeller

Processor  
Xeon E-2186G 6C/12T/3.8GHz/12MB/95W/DDR4-2666

Memory  
1x 16GB UDIMM DDR4-2666 ECC

Processor Graphics  
Intel UHD Graphics P630

Discrete Graphics Card  
None

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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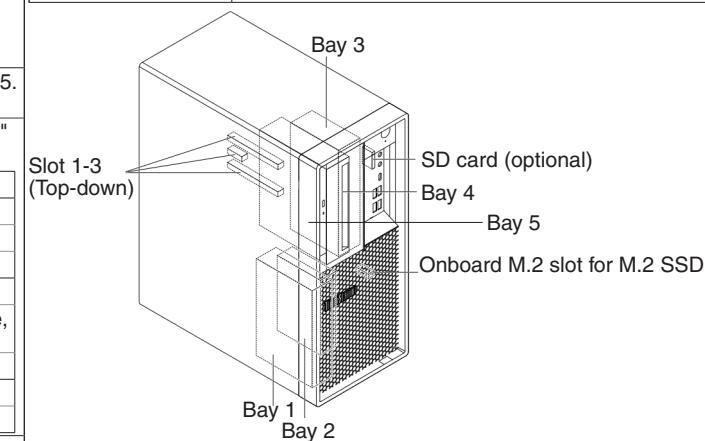
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# ThinkStation P330 Tower Platform Specifications

Product Specifications Reference (PSREF)

Components	Specification	Components	Specification																																																																								
Machine Type	MT 30C5 for Transactional model and MT 30C6 for Relationship model. For configuration of all 30C5 EMEA and US models, please visit: <a href="http://psref.lenovo.com/Product/ThinkStation/ThinkStation_P330_Tower">http://psref.lenovo.com/Product/ThinkStation/ThinkStation_P330_Tower</a>	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. Supports RAID 0/1 with PCH. When used as RAID, M.2 SSD should be installed on onboard M.2 slot and slot 3. Up to one Optane memory per system; Optane memory must work with a HDD or SSD; Optane memory cannot support on Pentium G5400 models																																																																								
Form factor	18L Tower	M.2 SSD	M.2 SSD supports up to 1TB each, PCIe 3.0 x4, NVMe, Opal. Optane memory supports 32GB, PCIe 3.0 x2, NVMe, 3D Xpoint																																																																								
Dimensions	Height: 376 mm (14.8 in). Width: 165 mm (6.5 in). Depth: 328 mm (12.9 in)	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																																																																								
Weight	Maximum configuration: 23.4 lb (10.6kg)	Media reader	Optional SD card reader on most models																																																																								
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. 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. Or up to one Intel Pentium Gold G5400 via Special Bids, 54W, 2 cores at 3.7GHz, 4MB cache, DDR4-2400 memory speed	Network interfaces	One onboard GbE port via integrated gigabit ethernet Intel i219LM, supports Wake-on-LAN. Optional PCIe ethernet adapters are available																																																																								
Chipset	Intel C246 Chipset	Security features	Power-on and admin password, Trusted Platform Module, TCG 2.0 compliant. Optional chassis intrusion switch, cable lock, Kensington lock, and pad lock																																																																								
Memory	4 DIMM sockets. DDR4-2666. UDIMM. ECC and non-ECC are supported, but memory types cannot be intermixed	Systems management	Intel Active Management Technology 12 on Xeon models, Intel Standard Manageability on other models																																																																								
Memory capacity	Up to 64GB with 4x 16GB, both ECC and non-ECC	Base warranty	US models comes with 3-year limited onsite service with 9x5/NBD, 1 or 3-year limited onsite service with 9x5/NBD in EMEA or other GEOS																																																																								
Memory protection	ECC with ECC UDIMM. Core i7 and i5 processors cannot support ECC UDIMM	HD Audio	Intel HD Audio interface with Realtek ALC233 Codec																																																																								
	Three PCIe 3.0 slots as following:	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																																																																								
Expansion slots	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	Rear ports	2x USB 3.1 Gen 1 Type A. 2x USB 2.0 Type-A. 1x RJ-45. 1x COM. 2x DP. <small>Notes: DP needs Core, Pentium, or -G suffix Xeon processor</small>																																																																								
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. Works along with discrete graphics to support multi-display, enables three display connectors (2x DP, 1x HDMI. HDMI is optional) on rear	Optional front ports (on flex module)	2x Thunderbolt (USB Type-C), one of two ports supports video-out. 1x eSATA. 1x IEEE1394																																																																								
	Up to two PCIe 3.0 x16 slots for discrete graphics card (Slot 1 and 3). Supports the following graphics adapters:	Optional rear ports	2x USB 3.1 Type-C. 1x COM. PS/2. 1x Parallel. 1x Thunderbolt. 1x IEEE1394. 1x HDMI. <small>Notes: HDMI needs Core, Pentium, or -G suffix Xeon processor</small>																																																																								
Graphics - Discrete graphics card	<table border="1"> <thead> <tr> <th>Adapter</th> <th>Cores</th> <th>Memory</th> <th>Power</th> <th>Connectors</th> <th>Max qty</th> </tr> </thead> <tbody> <tr> <td>NVS 810</td> <td>1024</td> <td>4GB DDR3</td> <td>68W</td> <td>8x miniDP</td> <td>1</td> </tr> <tr> <td>Quadro P400</td> <td>256</td> <td>2GB GDDR5</td> <td>30W</td> <td>3x miniDP</td> <td>2</td> </tr> <tr> <td>Quadro P620</td> <td>512</td> <td>2GB GDDR5</td> <td>40W</td> <td>4x miniDP</td> <td>2</td> </tr> <tr> <td>Quadro P1000</td> <td>640</td> <td>4GB GDDR5</td> <td>47W</td> <td>4x miniDP</td> <td>2</td> </tr> <tr> <td>Quadro P2000</td> <td>1024</td> <td>5GB GDDR5</td> <td>75W</td> <td>4x DP</td> <td>2</td> </tr> <tr> <td>Quadro P4000</td> <td>1792</td> <td>8GB GDDR5</td> <td>105W</td> <td>4x DP</td> <td>1</td> </tr> <tr> <td>Geforce GTX 1060</td> <td>1280</td> <td>6GB GDDR5</td> <td>120W</td> <td>DVI-D DL, HDMI, 3x DP</td> <td>1</td> </tr> <tr> <td>Geforce GTX 1070</td> <td>1920</td> <td>8GB GDDR5</td> <td>150W</td> <td>DVI-D DL, HDMI, 3x DP</td> <td>1</td> </tr> <tr> <td>Geforce GTX 1080</td> <td>2560</td> <td>8GB GDDR5X</td> <td>180W</td> <td>DVI-D DL, HDMI, 3x DP</td> <td>1</td> </tr> <tr> <td>Radeon Pro WX 3100</td> <td>512</td> <td>4GB GDDR5</td> <td>50W</td> <td>DP, 2x miniDP</td> <td>2</td> </tr> <tr> <td>Radeon Pro WX 4100</td> <td>1024</td> <td>4GB GDDR5</td> <td>50W</td> <td>4x miniDP</td> <td>2</td> </tr> </tbody> </table> <p>Notes: 1. Quadro P4000, 2x Quadro P2000, Geforce GTX1060/1070/1080 needs 400W PSU. 2. Geforce GTX 1060/1070/1080 are slot-width. 3. Geforce GTX 1060/1070/1080 and Radeon Pro WX 3100/4100 are SBO.</p>	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	Temperature	Operating: 41 °F to 104 °F (10 °C to 35 °C) Non operating (no package): 14 °F to 140 °F (-10 °C to 60 °C) Non operating (with package): -40 °F to 140 °F (-40 °C to 60 °C)
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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	Altitude	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)																																																																								
	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	Humidity	Operating: 30%~90%, non-condensing Storage (with package): 20%~90%, non-condensing																																																																								
Internal storage bay	<table border="1"> <tr> <td>Bay 1</td> <td>Primary disk bay, 3.5" or 2.5"</td> </tr> <tr> <td>Bay 2</td> <td>2.5" SATA bay, cannot be available when 2nd Quadro P2000 is used</td> </tr> <tr> <td>Bay 3</td> <td>Secondary disk bay, 3.5" or 2.5"</td> </tr> <tr> <td>Bay 4</td> <td>5.25" Flex bay, supports one of the following: • Flex module for optional front eSATA/Thunderbolt/IEEE1394 • 3rd disk bay, 3.5" or 2.5", removable, via Front Access Storage Enclosure, using SATA 4 connector as eSATA mode • 3rd disk bay, 3.5" or 2.5", via 5.25" to 3.5" HDD Kit • M.2 drive, via Front removable M.2 enclosure, also occupies slot 1 or 3</td> </tr> <tr> <td>Bay 5</td> <td>9mm Slim ODD bay</td> </tr> </table>	Bay 1	Primary disk bay, 3.5" or 2.5"	Bay 2	2.5" SATA bay, cannot be available when 2nd Quadro P2000 is used	Bay 3	Secondary disk bay, 3.5" or 2.5"	Bay 4	5.25" Flex bay, supports one of the following: • Flex module for optional front eSATA/Thunderbolt/IEEE1394 • 3rd disk bay, 3.5" or 2.5", removable, via Front Access Storage Enclosure, using SATA 4 connector as eSATA mode • 3rd disk bay, 3.5" or 2.5", via 5.25" to 3.5" HDD Kit • M.2 drive, via Front removable M.2 enclosure, also occupies slot 1 or 3	Bay 5	9mm Slim ODD bay	Environmental certification	RoHS-compliant. GREENGUARD. EPEAT Gold rating and ENERGY STAR 7 qualified																																																														
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Disks	3.5" HDD supports up to 4TB each, 6Gbps SATA, 7.2K 2.5" SSD supports up to 1TB each, 6Gbps SATA	Power supply	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.																																																																								
		ISV certifications	Please visit <a href="http://www.thinkworkstations.com/isv-certifications/">www.thinkworkstations.com/isv-certifications/</a>																																																																								



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