

ThinkStation P330 Tower Gen 2 [30CY001DUS](#)

Product

ThinkStation P330 Tower Gen 2

Region

NA

Country

USA

Machine Type

30CY

TopSeller

TopSeller

Processor

Core i9-9900 8C/16T/3.1GHz/16MB/65W/DDR4-2666

Memory

1x 16GB UDIMM DDR4-2666 Non-ECC

Processor Graphics

Intel UHD Graphics 630

Discrete Graphics Card

1x NVIDIA Quadro P1000 4GB 4x MiniDP

Monitor Cable

None

Storage Controller

Onboard Intel RST SATA RAID

M.2 SSD RAID Controller

Onboard Intel RST PCIe RAID

Internal Disk

None

Optane Memory

None

M.2 SSD Drive

1x 512GB SSD M.2 PCIe NVMe Opal

Optical

9.0mm DVD±RW

Media Reader

SD Reader

HD Audio

Onboard Realtek ALC233

WLAN + Bluetooth

None

Available Networking Port

1x GbE RJ-45

Chassis Intrusion Switch

Chassis Intrusion Switch



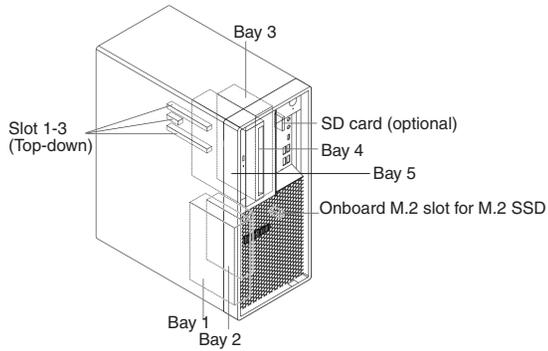


Components	Specification																																																																																																																				
Form factor	18L Tower																																																																																																																				
Dimensions	Height: 376 mm (14.8 in). Width: 165 mm (6.5 in). Depth: 328 mm (12.9 in)																																																																																																																				
Weight	Maximum configuration: 28.22 lb (12.8kg)																																																																																																																				
Processor	Supports one of the following processors:																																																																																																																				
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Chipset	Intel C246 Chipset																																																																																																																				
Memory Sockets	4 DIMM sockets with 2 channels																																																																																																																				
Memory Types	8GB/16GB DDR4-2666 UDIMM ECC or 4GB/8GB/16GB DDR4-2666 UDIMM non-ECC																																																																																																																				
Memory Capacity	64B with 4 x 16GB, both UDIMM ECC or UDIMM non-ECC																																																																																																																				
Memory Protection	ECC on models with UDIMM ECC memory																																																																																																																				
Expansion slots	Three PCIe 3.0 slots as following:																																																																																																																				
	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 3.0 x16 slots for discrete graphics card (Slot 1 and 3). Supports the following graphics adapters:																																																																																																																				
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Quadro RTX 4000	8GB GDDR6	160W	3x DP, 1x VirtualLink	1																																																																																																																	
<i>Note: 2x Quadro P2000, Quadro P5000, or Quadro RTX 4000 needs 400W PSU</i>																																																																																																																					

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Storage Controller	Storage Controller																														
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Storage Support	<table border="1"> <thead> <tr> <th>Disk Type</th> <th>Interface</th> <th>RPM</th> <th>Offering</th> <th>Max Qty</th> </tr> </thead> <tbody> <tr><td>3.5" SATA HDD</td><td>SATA 6Gb/s</td><td>7.2K</td><td>1TB/2TB/4TB</td><td>3</td></tr> <tr><td>2.5" SATA HDD</td><td>SATA 6Gb/s</td><td>7.2K</td><td>500GB FIPS</td><td>4</td></tr> <tr><td>2.5" SATA SSD</td><td>SATA 6Gb/s</td><td></td><td>256GB/512GB/1TB</td><td>4</td></tr> <tr><td>Optane Memory</td><td>PCIe NVMe</td><td></td><td>32GB</td><td>1, used with HDD/SSD</td></tr> <tr><td>M.2 PCIe SSD</td><td>PCIe NVMe</td><td></td><td>256GB/512GB/1TB</td><td>3</td></tr> </tbody> </table>	Disk Type	Interface	RPM	Offering	Max Qty	3.5" SATA HDD	SATA 6Gb/s	7.2K	1TB/2TB/4TB	3	2.5" SATA HDD	SATA 6Gb/s	7.2K	500GB FIPS	4	2.5" SATA SSD	SATA 6Gb/s		256GB/512GB/1TB	4	Optane Memory	PCIe NVMe		32GB	1, used with HDD/SSD	M.2 PCIe SSD	PCIe NVMe		256GB/512GB/1TB	3
	Disk Type	Interface	RPM	Offering	Max Qty																										
	3.5" SATA HDD	SATA 6Gb/s	7.2K	1TB/2TB/4TB	3																										
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	Optane Memory	PCIe NVMe		32GB	1, used with HDD/SSD																										
M.2 PCIe SSD	PCIe NVMe		256GB/512GB/1TB	3																											
Storage Bays	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" HDD/SSD																														
	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: <ul style="list-style-type: none"> 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 																														
	Bay 5 9mm Slim ODD bay																														
M.2 3x M.2 SSD (1 onboard, 2 via PCIe to M.2 adapter)																															
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																														
WLAN + 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																														
Security features	Power-on and admin password. Trusted Platform Module, TCG 2.0 compliant. Optional chassis intrusion switch, e-lock, cable lock, Kensington lock, and pad lock																														
Intel vPro	Supports Intel vPro on Xeon models. vPro also requires Wireless-AC 9560 if Wi-Fi is needed																														
Intel AMT	Intel Active Management Technology 12 on Xeon models, Intel Standard Manageability on other models																														
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																														
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. 1x Audio line-out <i>Notes: DP needs Core, Pentium, or -G suffix Xeon processor</i>																														
Optional front ports (on flex module)	2x Thunderbolt (USB Type-C), one of two ports supports video-out. 1x eSATA. 1x IEEE1394																														
Optional rear ports	Supports the following via cable: 1x COM. 1x Parallel. 2x PS/2. 1x DP or 1x HDMI. 2x USB 2.0 Supports the following via PCIe adapter: 4x COM. 2x USB 3.1 Type-C. 2x USB 3.0. 1x Thunderbolt. <i>Notes: DP or HDMI needs Core, Pentium, or -G suffix Xeon processor</i>																														
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)																														

Components	Specification
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)
Humidity	Operating: 30%~90%, non-condensing Storage (with package): 20%~90%, non-condensing
Environmental certification	RoHS-compliant. GREENGUARD. EPEAT Silver rating and ENERGY STAR 7 qualified
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 www.thinkworkstations.com/isv-certifications/

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](#)



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