

ThinkStation P330 Tower Gen 2 [30CY0016US](#)

Product

ThinkStation P330 Tower Gen 2

Region

NA

Country

USA

Machine Type

30CY

TopSeller

TopSeller

Processor

Core i7-9700 8C/8T/3.0GHz/12MB/65W/DDR4-2666

Memory

1x 16GB UDIMM DDR4-2666 Non-ECC

Processor Graphics

Intel UHD Graphics 630

Discrete Graphics Card

None

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

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

Product Specifications Reference (PSREF)

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:				
	Xeon E-2288G	8C/16T/3.7GHz/16MB/95W/DDR4-2666	400W PSU needed		
	Xeon E-2286G	6C/12T/4.0GHz/12MB/95W/DDR4-2666	400W PSU needed		
	Xeon E-2278G	8C/16T/3.4GHz/16MB/80W/DDR4-2666	400W PSU needed		
	Xeon E-2276G	6C/12T/3.8GHz/12MB/80W/DDR4-2666			
	Xeon E-2274G	4C/8T/4.0GHz/8MB/83W/DDR4-2666			
	Xeon E-2246G	6C/12T/3.6GHz/12MB/80W/DDR4-2666			
	Xeon E-2244G	4C/8T/3.8GHz/8MB/71W/DDR4-2666			
	Xeon E-2236	6C/12T/3.4GHz/12MB/80W/DDR4-2666			
	Xeon E-2234	4C/8T/3.6GHz/8MB/71W/DDR4-2666			
	Xeon E-2226G	6C/6T/3.4GHz/12MB/80W/DDR4-2666			
	Xeon E-2224G	4C/4T/3.5GHz/8MB/71W/DDR4-2666			
	Xeon E-2224	4C/4T/3.4GHz/8MB/71W/DDR4-2666			
	Xeon E-2186G	6C/12T/3.8GHz/12MB/95W/DDR4-2666	400W PSU needed		
	Xeon E-2174G	4C/8T/3.8GHz/8MB/71W/DDR4-2666			
	Pentium Gold G5620	2C/4T/4.0GHz/4MB/54W/DDR4-2400			
	Core i9-9900	8C/16T/3.1GHz/16MB/65W/DDR4-2666			
	Core i7-9700K	8C/8T/3.6GHz/12MB/95W/DDR4-2666	400W PSU needed		
	Core i7-9700	8C/8T/3.0GHz/12MB/65W/DDR4-2666			
	Core i7-8700	6C/12T/3.2GHz/12MB/65W/DDR4-2666			
	Core i5-9600K	6C/6T/3.7GHz/9MB/95W/DDR4-2666	400W PSU needed		
	Core i5-9600	6C/6T/3.1GHz/9MB/65W/DDR4-2666			
	Core i5-9500	6C/6T/3.0GHz/9MB/65W/DDR4-2666			
	Core i5-9400	6C/6T/2.9GHz/9MB/65W/DDR4-2666			
	Core i5-8500	6C/6T/3.0GHz/9MB/65W/DDR4-2666			
	Core i3-9300	4C/4T/3.7GHz/8MB/62W/DDR4-2400			
	Core i3-9100	4C/4T/3.6GHz/6MB/65W/DDR4-2400			
	Core i3-8300	4C/4T/3.7GHz/8MB/62W/DDR4-2400			
	Core i3-8100	4C/4T/3.6GHz/6MB/65W/DDR4-2400			
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 memeoery				
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:				
	Graphics	Memory	Power	Connector	Max Qty
	Quadro P400	2GB GDDR5	30W	3x miniDP	2
	Quadro P620	2GB GDDR5	40W	4x miniDP	2
	Quadro P1000	4GB GDDR5	50W	4x miniDP	2
	Quadro P2000	5GB GDDR5	75W	4x DP	2
	Quadro P2200	5GB GDDR5X	75W	4x DP	2
	Quadro P5000	16GB GDDR5X	180W	DVI-D DL + 4x DP	1
	Quadro RTX 4000	8GB GDDR6	160W	3x DP, 1x VirtualLink	1
	Note: 2x Quadro P2000, Quadro P5000, or Quadro RTX 4000 needs 400W PSU				

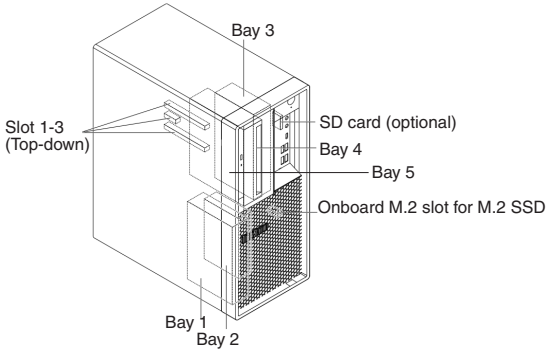
Components	Specification
Storage Controller	Storage Controller
	Onboard Intel RST SATA RAID
	Onboard Intel RST PCIe RAID
Storage Support	Disk Type
	Interface
	RPM
	Offering
	Max Qty
	3.5" SATA HDD
	2.5" SATA HDD
Storage Bays	Up to five bays with four disk bays plus one slim optical bay, supports up to 3x 3.5" HDD plus 1x 2.5" SSD, or 4x 2.5" HDD/SSD
	Bay 1
	Bay 2
	Bay 3
	Bay 4
	Bay 5
	M.2
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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