

ThinkStation P330 Tower Gen 2 30CY005MSP

Product

ThinkStation P330 Tower Gen 2

Region

WE

Country/Region

Spain

Machine Type

30CY

TopSeller

TopSeller

Processor

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

Integrated Graphics

Intel UHD Graphics 630

Discrete Graphics

1x NVIDIA Quadro P2200 5GB

Monitor Cable

None

Chipset

Intel C246

HDD Controller

Onboard Intel RSTe SATA RAID

M.2 SSD RAID Controller

Onboard Intel RSTe PCIe

Memory

2x 8GB UDIMM DDR4-2666 Non-ECC

Internal Disk Drive

1x 512GB SSD 2.5" SATA6Gb/s Opal

M.2 SSD Drive

None

Optane Memory

None

Optical

1x 9.0mm DVD±RW

Media Reader

SD Reader

Ethernet

1x GbE RJ-45

WLAN + Bluetooth

None

Optional Front Ports

None

Optional Rear Ports

None

Chassis Intrusion Switch

Chassis Intrusion Switch

Cover Lock

E-Lock

Cable Lock

Cable Lock

Dust Filter

None

Keyboard

USB Traditional Keyboard, Spanish

Mouse

USB Calliope Mouse

Power Supply

250W Platinum Fixed

System Management

Standard Manageability

Operating System

Windows 10 Pro 64, Spanish

Bundled Software

None

Base Warranty

3-year, Onsite

Bundled Service

None

EAN / UPC

0193638984429

End of Support

2025-09-06

Announce Date

2019-08-06

Recommended Services

Best

5Y Premier Support Upgrade from 3Y Onsite (5WS0T36135)

Better

4Y Premier Support Upgrade from 3Y Onsite (5WS0T36136)

Good

3Y Premier Support Upgrade from 3Y Onsite (5WS0U26646)



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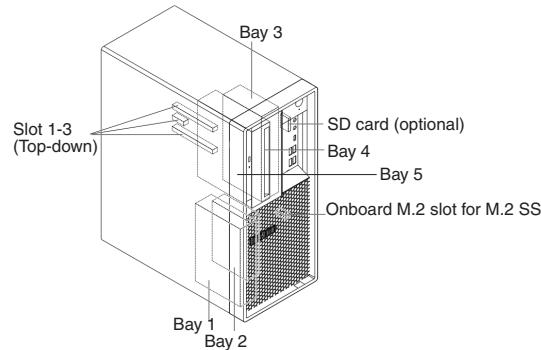
Components	Specification				
Form factor	18L Tower				
Dimensions	Height: 376 mm (14.8 in). Width: 165 mm (6.5 in). Depth: 328 mm (12.9 in)				
Weight	Maximum configuration: 28.22 lb (12.8kg)				
Supports one of the following processors:					
Xeon E-2286G 6C/12T/4.0GHz/12MB/95W/DDR4-2666 400W PSU needed					
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					
Core i9-9900K 8C/16T/3.6GHz/16MB/95W/DDR4-2666 400W PSU needed					
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/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				
Three PCIe 3.0 slots as following:					
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				
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)					
Up to two PCIe 3.0 x16 slots for discrete graphics card (Slot 1 and 3). Supports the following graphics adapters:					
Discrete Graphics Offering	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 P4000	8GB GDDR5X	105W	4x DP	1
	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 P4000, Quadro P5000, or Quadro RTX 4000 needs 400W PSU					

Components	Specification			
Storage Controller	Storage Controller	Type	Interface	Disk Type
	Onboard Intel RST SATA RAID	Std	SATA 6Gb/s	HDD or SSD
	Onboard Intel RST PCIe RAID	Std	PCIe NVMe	M.2 PCIe SSD
Storage Support	Disk Type	Interface	RPM	Offering
	3.5" SATA HDD	SATA 6Gb/s	7.2K	1TB/2TB/4TB
	2.5" SATA HDD	SATA 6Gb/s	7.2K	500GB FIPS
	2.5" SATA SSD	SATA 6Gb/s		256GB/512GB/1TB
	Optane Memory	PCIe NVMe		32GB 1, used with HDD/SSD
	M.2 PCIe SSD	PCIe NVMe		256GB/512GB/1TB
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				
Storage Bays	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 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. 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 3.1 Gen 1, 1x Thunderbolt. Notes: DP or HDMI needs Core, Pentium, or -G suffix Xeon processor			
Temperature	Operating: 50 °F to 95 °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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