

# ThinkStation P330 Tower Gen 2 30CY000RSP

**Product**

ThinkStation P330 Tower Gen 2

**Region**

WE

**Country/Region**

Spain

**Machine Type**

30CY

**TopSeller**

TopSeller

**Processor**

Intel Core i7-9700K 8C/8T/3.6GHz/12MB/95W/DDR4-2666

**Memory**

2x 8GB 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

**Cable Lock**

None

**E-Lock**

E-Lock

**Dust Filter**

None

**Optional 1394 Port**

None

**Optional Parallel Port**

None

**Optional Thunderbolt Port**

None

**Optional Serial Port**

None

**Optional USB Port**

None

**Optional eSATA Port**

None

**Optional PS/2 Port**

None

**Optional Video Port**

None

**Keyboard**

USB Traditional Keyboard, Spanish

**Mouse**

USB Calliope Mouse

**Power Supply**

400W Platinum Fixed

**System Management**

Standard Manageability

**Operating System**

Windows 10 Pro 64, Spanish

**Bundled Software**

None

**Base Warranty**

3-year, Onsite

**Bundled Service**

None

**Global**

No

**End of Support**

2025-05-30

**Announce Date**

2019-04-30

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



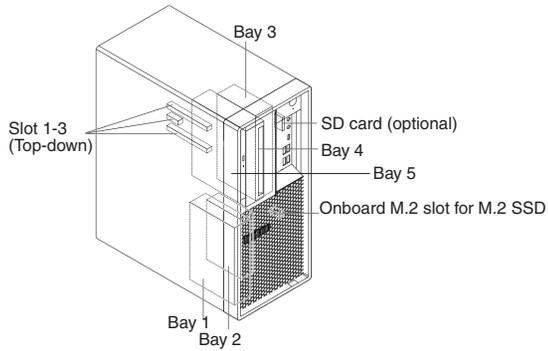
Components	Specification																																																																																																																
Form factor	18L Tower																																																																																																																
Dimensions	Height: 376 mm (14.8 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:																																																																																																																
	<table border="1"> <thead> <tr> <th>Processor</th> <th>Cache</th> <th>Power</th> <th>PSU</th> </tr> </thead> <tbody> <tr><td>Xeon E-2286G</td><td>6C/12T/4.0GHz/12MB/95W/DDR4-2666</td><td>400W PSU needed</td><td></td></tr> <tr><td>Xeon E-2278G</td><td>8C/16T/3.4GHz/16MB/80W/DDR4-2666</td><td>400W PSU needed</td><td></td></tr> <tr><td>Xeon E-2276G</td><td>6C/12T/3.8GHz/12MB/80W/DDR4-2666</td><td></td><td></td></tr> <tr><td>Xeon E-2274G</td><td>4C/8T/4.0GHz/8MB/83W/DDR4-2666</td><td></td><td></td></tr> <tr><td>Xeon E-2246G</td><td>6C/12T/3.6GHz/12MB/80W/DDR4-2666</td><td></td><td></td></tr> <tr><td>Xeon E-2244G</td><td>4C/8T/3.8GHz/8MB/71W/DDR4-2666</td><td></td><td></td></tr> <tr><td>Xeon E-2236</td><td>6C/12T/3.4GHz/12MB/80W/DDR4-2666</td><td></td><td></td></tr> <tr><td>Xeon E-2234</td><td>4C/8T/3.6GHz/8MB/71W/DDR4-2666</td><td></td><td></td></tr> <tr><td>Xeon E-2226G</td><td>6C/6T/3.4GHz/12MB/80W/DDR4-2666</td><td></td><td></td></tr> <tr><td>Xeon E-2224G</td><td>4C/4T/3.5GHz/8MB/71W/DDR4-2666</td><td></td><td></td></tr> <tr><td>Xeon E-2224</td><td>4C/4T/3.4GHz/8MB/71W/DDR4-2666</td><td></td><td></td></tr> <tr><td>Xeon E-2186G</td><td>6C/12T/3.8GHz/12MB/95W/DDR4-2666</td><td>400W PSU needed</td><td></td></tr> <tr><td>Xeon E-2174G</td><td>4C/8T/3.8GHz/8MB/71W/DDR4-2666</td><td></td><td></td></tr> <tr><td>Pentium Gold G5620</td><td>2C/4T/4.0GHz/4MB/54W/DDR4-2400</td><td></td><td></td></tr> <tr><td>Core i9-9900</td><td>8C/16T/3.1GHz/16MB/65W/DDR4-2666</td><td></td><td></td></tr> <tr><td>Core i7-9700K</td><td>8C/8T/3.6GHz/12MB/95W/DDR4-2666</td><td>400W PSU needed</td><td></td></tr> <tr><td>Core i7-9700</td><td>8C/8T/3.0GHz/12MB/65W/DDR4-2666</td><td></td><td></td></tr> <tr><td>Core i7-8700</td><td>6C/12T/3.2GHz/12MB/65W/DDR4-2666</td><td></td><td></td></tr> <tr><td>Core i5-9600K</td><td>6C/6T/3.7GHz/9MB/95W/DDR4-2666</td><td>400W PSU needed</td><td></td></tr> <tr><td>Core i5-9600</td><td>6C/6T/3.1GHz/9MB/65W/DDR4-2666</td><td></td><td></td></tr> <tr><td>Core i5-9500</td><td>6C/6T/3.0GHz/9MB/65W/DDR4-2666</td><td></td><td></td></tr> <tr><td>Core i5-9400</td><td>6C/6T/2.9GHz/9MB/65W/DDR4-2666</td><td></td><td></td></tr> <tr><td>Core i5-8500</td><td>6C/6T/3.0GHz/9MB/65W/DDR4-2666</td><td></td><td></td></tr> <tr><td>Core i3-9300</td><td>4C/4T/3.7GHz/8MB/62W/DDR4-2400</td><td></td><td></td></tr> <tr><td>Core i3-9100</td><td>4C/4T/3.6GHz/6MB/65W/DDR4-2400</td><td></td><td></td></tr> <tr><td>Core i3-8300</td><td>4C/4T/3.7GHz/8MB/62W/DDR4-2400</td><td></td><td></td></tr> <tr><td>Core i3-8100</td><td>4C/4T/3.6GHz/6MB/65W/DDR4-2400</td><td></td><td></td></tr> </tbody> </table>	Processor	Cache	Power	PSU	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		
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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/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																																																																																																																
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:																																																																																																																
	<table border="1"> <thead> <tr> <th>Graphics</th> <th>Memory</th> <th>Power</th> <th>Connector</th> <th>Max Qty</th> </tr> </thead> <tbody> <tr><td>Quadro P400</td><td>2GB GDDR5</td><td>30W</td><td>3x miniDP</td><td>2</td></tr> <tr><td>Quadro P620</td><td>2GB GDDR5</td><td>40W</td><td>4x miniDP</td><td>2</td></tr> <tr><td>Quadro P1000</td><td>4GB GDDR5</td><td>50W</td><td>4x miniDP</td><td>2</td></tr> <tr><td>Quadro P2000</td><td>5GB GDDR5</td><td>75W</td><td>4x DP</td><td>2</td></tr> <tr><td>Quadro P2200</td><td>5GB GDDR5X</td><td>75W</td><td>4x DP</td><td>2</td></tr> <tr><td>Quadro P4000</td><td>8GB GDDR5</td><td>105W</td><td>4x DP</td><td>1</td></tr> <tr><td>Quadro P5000</td><td>16GB GDDR5X</td><td>180W</td><td>DVI-D DL + 4x DP</td><td>1</td></tr> <tr><td>Quadro RTX 4000</td><td>8GB GDDR6</td><td>160W</td><td>3x DP, 1x VirtualLink</td><td>1</td></tr> </tbody> </table>	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 GDDR5	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																																																																			
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Quadro RTX 4000	8GB GDDR6	160W	3x DP, 1x VirtualLink	1																																																																																																													
<i>Note: 2x Quadro P2000, Quadro P4000, Quadro P5000, or Quadro RTX 4000 needs 400W PSU</i>																																																																																																																	

Components	Specification																														
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"> <li>Flex module for optional front eSATA/Thunderbolt/IEEE1394</li> <li>3rd disk bay, 3.5" or 2.5", removable, via Front Access Storage Enclosure, using SATA 4 connector as eSATA mode</li> <li>3rd disk bay, 3.5" or 2.5", via 5.25" to 3.5" HDD Kit</li> </ul>																														
	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: 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 <a href="http://www.thinkworkstations.com/isv-certifications/">www.thinkworkstations.com/isv-certifications/</a>

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](#)



# ThinkStation P330 Tower Gen 2

