

ThinkStation P330 Tower Gen 2 30CY000WIX

WithDraw
0

Product
ThinkStation P330 Tower Gen 2

Region
WE

Country
Italy

Machine Type
30CY

TopSeller
TopSeller

Processor
Core i7-9700K 8C/8T/3.6GHz/12MB/95W/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

Cable Lock
None

E-Lock
None

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
1x HDMI

Keyboard
USB Traditional Keyboard

Mouse
USB Calliope Mouse

Power Supply
Fixed 400W Platinum

System Management
Standard Manageability

Operating System
Windows 10 Pro 64

Bundled Software
None

Warranty
3-year, Onsite

Global
No

End of Support
2025-05-30

Announce Date
2019-04-30



WWW.LENOVO.COM

This publication was developed for products and services offered in the United States and E.M.E.A countries. Lenovo may not offer the products, services or features discussed in this document in other countries. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area.

Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors.

Lenovo provides this publication “as is” without warranty of any kind, either express or implied, including the implied warranties of merchantability or fitness for a particular purpose.



<http://psref.lenovo.com>

Visit psref website for the latest version of Product Specifications Reference.

© Lenovo, 2019. All rights reserved.



Lenovo™

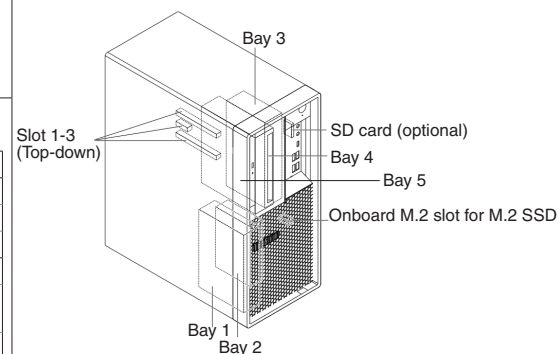
ThinkStation P330 Tower Gen 2 (30CY and 30D0) Platform Specifications

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-2186G 6C/12T/3.8GHz/12MB/95W/DDR4-2666 • Xeon E-2174G 4C/8T/3.8GHz/8MB/71W/DDR4-2666 • Core i7-9700K 8C/8T/3.6GHz/12MB/95W/DDR4-2666 • Core i5-9600K 6C/6T/3.7GHz/9MB/95W/DDR4-2666 • Core i5-9400 6C/6T/2.9GHz/9MB/65W/DDR4-2666 • Core i3-8300 4C/4T/3.7GHz/8MB/62W/DDR4-2400 • Core i3-8100 4C/4T/3.6GHz/6MB/65W/DDR4-2400 <i>Note: Next gen Xeon processors and more 9th Core processor will be supported on June 2019</i>																																			
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, or i3 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><tr><th>Graphics</th><th>Memory</th><th>Power</th><th>Connector</th><th>Max Qty</th></tr><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 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></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 P5000	16GB GDDR5X	180W	DVI-D DL + 4x DP	1	Quadro RTX 4000	8GB GDDR6	160W	3x DP, 1x VirtualLink	1
	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 P5000	16GB GDDR5X	180W	DVI-D DL + 4x DP	1																															
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>																																				
Storage Controller	<table><tr><th>Storage Controller</th><th>Type</th><th>Interface</th><th>Disk Type</th><th>RAID</th></tr><tr><td>Onboard Intel RST SATA RAID</td><td>Std</td><td>SATA 6Gb/s</td><td>HDD or SSD</td><td>0/1/10/5</td></tr><tr><td>Onboard Intel RST PCIe RAID</td><td>Std</td><td>PCIe NVMe</td><td>M.2 PCIe SSD</td><td>0/1</td></tr></table>	Storage Controller	Type	Interface	Disk Type	RAID	Onboard Intel RST SATA RAID	Std	SATA 6Gb/s	HDD or SSD	0/1/10/5	Onboard Intel RST PCIe RAID	Std	PCIe NVMe	M.2 PCIe SSD	0/1																				
	Storage Controller	Type	Interface	Disk Type	RAID																															
	Onboard Intel RST SATA RAID	Std	SATA 6Gb/s	HDD or SSD	0/1/10/5																															
Onboard Intel RST PCIe RAID	Std	PCIe NVMe	M.2 PCIe SSD	0/1																																
Storage Support	<table><tr><th>Disk Type</th><th>Interface</th><th>RPM</th><th>Offering</th><th>Max Qty</th></tr><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></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																															
	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																																
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: • 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)																																			

Components	Specification
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)
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 Gold 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](#)



Lenovo

ThinkStation P330 Tower Gen 2

