

ThinkStation P330 Tower Gen 2 30CY0087GE

Product

ThinkStation P330 Tower Gen 2

Region

WE

Country/Region

Germany

Machine Type

30CY

TopSeller

TopSeller

Processor

Intel Core i3-9100 4C/4T/3.6GHz/6MB/65W/DDR4-2400

Integrated Graphics

Intel UHD Graphics 630

Discrete Graphics

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 ECC

Internal Disk Drive

None

M.2 SSD Drive

1x 512GB SSD M.2 PCIe NVMe Opal

Optane Memory

None

Optical

None

Media Reader

None

Onboard Ethernet

1x GbE RJ-45

Additional Ethernet

None

WLAN + Bluetooth

None

Optional Front Ports

None

Optional Rear Ports

None

Chassis Intrusion Switch

Chassis Intrusion Switch

Cover Lock

None

Cable Lock

None

Dust Filter

Dust Filter

Keyboard

USB Traditional Keyboard, Black, German

Mouse

USB Calliope Mouse

Power Supply

400W Platinum Fixed

System Management

Standard Manageability

Operating System

Ubuntu Linux

Bundled Software

None

Base Warranty

3-year, Onsite

Bundled Service

None

EAN / UPC / JAN

0195235929131

End of Support

2026-08-24

Announce Date

2020-08-04

Recommended Services**Best**

5Y Premier Support Upgrade from 3Y Onsite (5WSOT36135)

Better

4Y Premier Support Upgrade from 3Y Onsite (5WSOT36136)

Good

3Y Premier Support Upgrade from 3Y Onsite (5WSOU26646)

 [WWW.LENОВО.COM](https://www.lenovo.com)

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.



<https://psref.lenovo.com>

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

© Lenovo, 2020. All rights reserved.



Lenovo™

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: 23.37 lb (10.6kg)
Processor	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 i7-8700K 6C/12T/3.7GHz/12MB/95W/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 i5-9400F 6C/6T/2.9GHz/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
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)

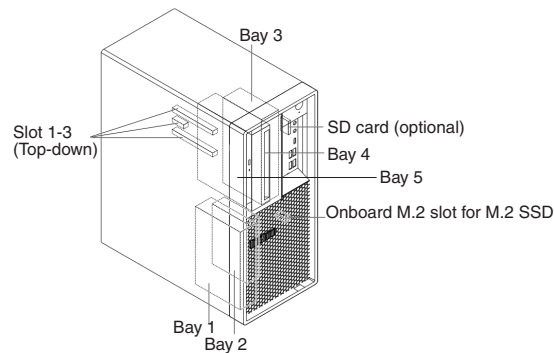
Components	Specification																																													
Discrete Graphics Offering	Up to two PCIe 3.0 x16 slots for discrete graphics card (Slot 1 and 3). Supports the following graphics adapters:																																													
	<table><tr><th>Graphics</th><th>Memory</th><th>Power</th><th>Connector</th><th>Max Qty</th></tr><tr><td>Quadro P400</td><td>2GB wGDDR5</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></table>	Graphics	Memory	Power	Connector	Max Qty	Quadro P400	2GB wGDDR5	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
	Graphics	Memory	Power	Connector	Max Qty																																									
	Quadro P400	2GB wGDDR5	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																																										
Note: 2x Quadro P2000, Quadro P4000, Quadro P5000 or Quadro RTX 4000 needs 400W PSU																																														
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																																												
Media reader	M.2 3x M.2 SSD (1 onboard. 2 via PCIe to M.2 adapter)																																													
Media reader	Optional 7-in-1 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 and selected Core i7 or i5 models. vPro also requires Wireless-AC 9560 if Wi-Fi is needed																																													
Intel AMT	Intel Active Management Technology 12 on Xeon and selected Core i7 or i5 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																																													

Lenovo

Components	Specification
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 3.1 Gen 1. 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)
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](#)



ThinkStation P330 Tower Gen 2

