

ThinkStation P330 SFF Gen 2 30D1000VUS

Product

ThinkStation P330 SFF Gen 2

Region

NA

Country/Region

USA

Machine Type

30D1

TopSeller

TopSeller

Processor

Intel Xeon E-2224G 4C/4T/3.5GHz/8MB/71W/DDR4-2666

Integrated Graphics

Intel UHD Graphics P630

Discrete Graphics

None

Chipset

Intel C246

HDD Controller

Onboard Intel RSTe SATA RAID

M.2 SSD RAID Controller

Onboard Intel RSTe PCIe

Memory

1x 16GB UDIMM DDR4-2666 Non-ECC

Internal Disk Drive

None

M.2 SSD Drive

1x 512GB SSD M.2 PCIe NVMe Opal

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

1x DP

Chassis Intrusion Switch

Chassis Intrusion Switch

Cover Lock

None

Cable Lock

None

Dust Filter

None

Stand

None

Keyboard

USB Traditional Keyboard, Black, English

Mouse

USB Calliope Mouse

Power Supply

260W Platinum Fixed

System Management

Intel vPro with AMT 12

Operating System

Windows 10 Pro 64 for Workstations, English

Bundled Software

None

Base Warranty

3-year, Onsite

Bundled Service

None

EAN / UPC / JAN

193638231257

End of Support

2025-07-11

Announce Date

2019-06-11

Recommended Services**Best**

4Y Lenovo Protect (Premier Support + Keep Your Drive + Accidental Damage Protection) (5PS0N73191)

Better

4Y Lenovo Support (Premier Support + Keep Your Drive) (5PS0N73243)

Good

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

Notes:**California Electronic Waste Recycling Fee**

In California, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product. For more information, go to:

<https://www.calrecycle.ca.gov/Electronics/Consumer>

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<https://psref.lenovo.com>

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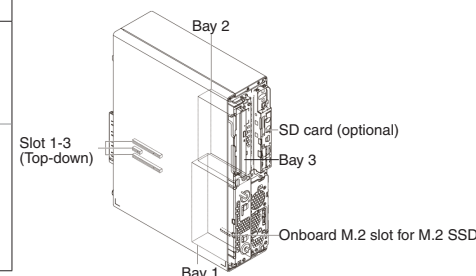
ThinkStation P330 SFF Gen 2 (30D1 and 30D2) Platform Specifications

Product Specifications Reference (PSREF)

Components	Specification					
Form factor	8.4L mini-tower					
Dimensions	Height: 343.5 mm (13.5 in). Width: 92.5 mm (3.6 in). Depth: 305.6 mm (12 in)					
Weight	Maximum configuration: 13.23 lb (6.0kg)					
Processor	Supports one of the following processor:					
	Xeon E-2278G	8C/16T/3.4GHz/16MB/80W/DDR4-2666 (260W 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-2174G	4C/8T/3.8GHz/8MB/71W/DDR4-2666				
	Core i9-9900	8C/16T/3.1GHz/16MB/65W/DDR4-2666				
	Core i7-9700	8C/8T/3.0GHz/12MB/65W/DDR4-2666				
	Core i7-8700	6C/12T/3.2GHz/12MB/65W/DDR4-2666				
	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				
Pentium Gold G5620	2C/4T/4.0GHz/4MB/54W/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, low profile, links to CPU				
	Slot 2	PCIe 3.0 x1, low profile, links to PCH				
	Slot 3	PCIe 3.0 x16 (negotiable link width x4), low profile, links to PCH				
Processor graphics	Integrated Intel UHD Graphics P630 in -G suffix Xeon processors, or Intel UHD Graphics 630 in Core 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 card	Up to two PCIe 3.0 x16 slots for discrete graphics adapter (Slot 1 and 3). Supports the following graphics adapters:					
	Adapter	Cores	Memory	Power	Connectors	Max qty
	Quadro P400	256	2GB GDDR5	30W	3x miniDP	2
	Quadro P620	512	2GB GDDR5	40W	4x miniDP	2
	Quadro P1000	640	4GB GDDR5	47W	4x miniDP	2
Storage Controller	Storage Controller	Type	Interface	Disk Type	RAID	
	Onboard Intel RST SATA RAID	Std	SATA 6Gb/s	HDD or SSD	0/1	
	Onboard Intel RST PCIe RAID	Std	PCIe NVMe	M.2 PCIe SSD	0/1	
Notes: M.2 SSD support is limited, please see Storage bay section for more information						
Storage Support	Disk Type	Interface	RPM	Offering	Max Qty	
	3.5" SATA HDD	SATA 6Gb/s	7.2K	1TB/2TB/4TB	1	
	2.5" SATA HDD	SATA 6Gb/s	7.2K	500GB FIPS	2	
	2.5" SATA SSD	SATA 6Gb/s		256GB/512GB/1TB	2	
	Optane Memory	PCIe NVMe		32GB	1, used with HDD/SSD	
	M.2 PCIe SSD	PCIe NVMe		256GB/512GB/1TB	3	

Components	Specification
Storage bay	Up to 3 bays with two disk bays and one slim optical bay:
	Bay 1 Primary 3.5" SATA bay
	Bay 2 2.5" SATA bay (Optional)
	Bay 3 9mm Slim ODD bay
	M.2 3x M.2 SSD (1 onboard, 2 via PCIe to M.2 adapter) Notes: Support 1x M.2 SSD at present, 3x M.2 SSD support is pending availability
M.2 slot for Wi-Fi and 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
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
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 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)
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 210W or 260W power supply. 210W is 100V - 240V, 85% PSU, Climate Savers Computing Bronze and 80 PLUS Bronze qualified. 260W is 100V - 240V, 92% PSU, Climate Savers Computing Platinum and 80 PLUS Platinum qualified
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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