

ThinkStation P330 SFF Gen 2 [30D1000VUS](#)

Product

ThinkStation P330 SFF Gen 2

Region

NA

Country

USA

Machine Type

30D1

TopSeller

TopSeller

Processor

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

Memory

1x 16GB UDIMM DDR4-2666 Non-ECC

Processor Graphics

Intel UHD Graphics P630

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



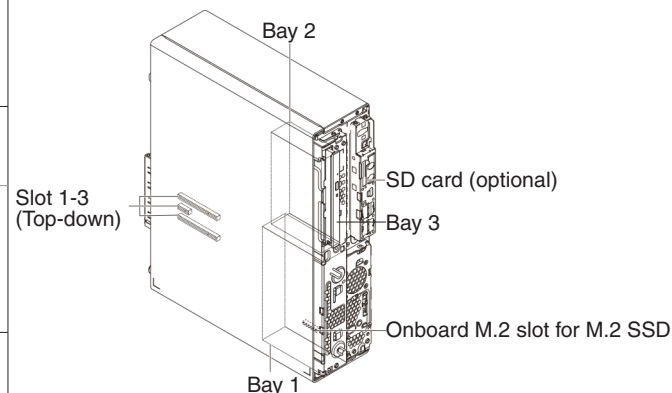
ThinkStation P330 SFF Gen 2 (30D1 and 30D2) Platform Specifications

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 i5-9400 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 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 memeory																														
Expansion slots	Three PCIe 3.0 slots as following: <table><tr><td>Slot 1</td><td>PCIe 3.0 x16, low profile, links to CPU</td></tr><tr><td>Slot 2</td><td>PCIe 3.0 x1, low profile, links to PCH</td></tr><tr><td>Slot 3</td><td>PCIe 3.0 x16 (negotiable link width x4), low profile, links to PCH</td></tr></table>	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																								
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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: <table><tr><th>Adapter</th><th>Cores</th><th>Memory</th><th>Power</th><th>Connectors</th><th>Max qty</th></tr><tr><td>Quadro P400</td><td>256</td><td>2GB GDDR5</td><td>30W</td><td>3x miniDP</td><td>2</td></tr><tr><td>Quadro P620</td><td>512</td><td>2GB GDDR5</td><td>40W</td><td>4x miniDP</td><td>2</td></tr><tr><td>Quadro P1000</td><td>640</td><td>4GB GDDR5</td><td>47W</td><td>4x miniDP</td><td>2</td></tr></table>	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						
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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</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	Onboard Intel RST PCIe RAID	Std	PCIe NVMe	M.2 PCIe SSD	0/1															
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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>1</td></tr><tr><td>2.5" SATA HDD</td><td>SATA 6Gb/s</td><td>7.2K</td><td>500GB FIPS</td><td>2</td></tr><tr><td>2.5" SATA SSD</td><td>SATA 6Gb/s</td><td></td><td>256GB/512GB/1TB</td><td>2</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	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
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M.2 PCIe SSD	PCIe NVMe		256GB/512GB/1TB	3																											
Storage bay	Up to 3 bays with two disk bays and one slim optical bay: <table><tr><td>Bay 1</td><td>Primary 3.5" SATA bay</td></tr><tr><td>Bay 2</td><td>2.5" SATA bay (Optional)</td></tr><tr><td>Bay 3</td><td>9mm Slim ODD bay</td></tr><tr><td>M.2</td><td>3x M.2 SSD (1 onboard, 2 via PCIe to M.2 adapter)</td></tr></table>	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)																						
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Components	Specification
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 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
Security features	Power-on and admin password. Trusted Platform Module, TCG 2.0 compliant. Optional chassis intrusion switch, 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 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 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](#)



Lenovo

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