

ThinkStation P330 SFF Gen 2 30D2S10G00

Product

ThinkStation P330 SFF Gen 2

Region

LA

Country/Region

Mexico

Machine Type

30D2

TopSeller

No

Processor

Intel Core i7-9700 8C/8T/3.0GHz/12MB/65W/DDR4-2666

Integrated Graphics

Intel UHD Graphics 630

Discrete Graphics

1x NVIDIA Quadro P400 2GB

Monitor Cable

1x MiniDP to DP

Chipset

Intel C246

HDD Controller

Onboard Intel RSTe SATA RAID

M.2 SSD RAID Controller

Onboard Intel RSTe PCIe

Memory

1x 8GB UDIMM DDR4-2666 Non-ECC

Internal Disk Drive

None

M.2 SSD Drive

2x 256GB 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

None

Chassis Intrusion Switch

Chassis Intrusion Switch

Cover Lock

None

Cable Lock

None

Dust Filter

None

Stand

None

Keyboard

USB Calliope Keyboard, Spanish (LA)

Mouse

USB Calliope Mouse

Power Supply

260W Platinum Fixed

System Management

Standard Manageability

Operating System

Windows 10 Pro 64, Spanish

Bundled Software

None

Base Warranty

3-year, Onsite

Bundled Service

None

EAN / UPC

194632782639

End of Support

N/A

Announce Date

2019-08-19

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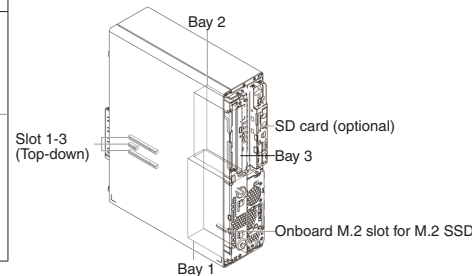
ThinkStation P330 SFF Gen 2 (30D1 and 30D2) Platform Specifications



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) Supports one of the following processor:					
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/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					
Processor graphics	Slot 3 PCIe 3.0 x16 (negotiable link width x4), low profile, links to PCH					
	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 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 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](mailto:ThinkStation_PSREF_developer@lenovo.com)



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