ThinkStation P330 SFF Gen 2 30D10025GE

Product
ThinkStation P330 SFF Gen 2

Region
WE

Country/Region
Germany

Machine Type
30D1

TopSeller
TopSeller

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

Memory
1x 8GB UDIMM DDR4-2666 Non-ECC

Processor Graphics
Intel UHD Graphics 630

Discrete Graphics Card
1x NVIDIA Quadro P620 2GB 4x MiniDP

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 256GB 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
None

Cable Lock
None

E-Lock
E-Lock

Stand
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
None

Keyboard
USB Traditional Keyboard, Germany

Mouse
USB Calliope Mouse

Power Supply
260W Platinum Fixed

System Management
Standard Manageability

Operating System
Windows 10 Pro 64, German

Bundled Software
None

Base Warranty
3-year, Onsite

Bundled Service
None

Global
No

End of Support
2025-07-27

Announce Date
2019-06-27

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)

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 specifcations 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 Specifcations Reference.

© Lenovo, 2019. All rights reserved.



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)
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:

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

Storage Support

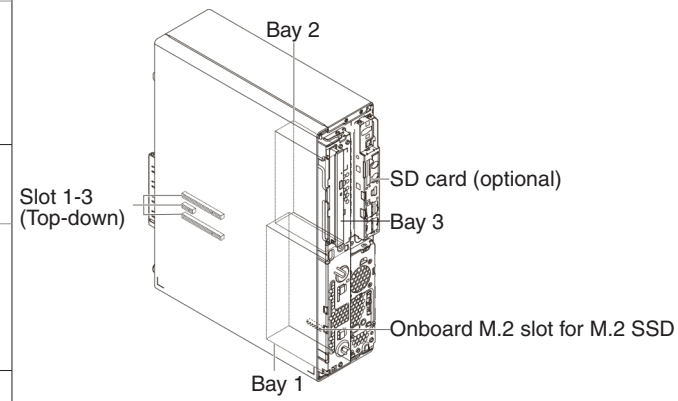
Disk Type	Interface	RPM	Offering	Max Qty
3.5" SATA HDD	SATA 6Gb/s	7.2K	1TB/2TB/4TB	1
2.5" SATA HDD	SATA 6Gb/s	7.2K	500GB FIPS	2
2.5" SATA SSD	SATA 6Gb/s		256GB/512GB/1TB	2
Optane Memory	PCIe NVMe		32GB	1, used with HDD/SSD
M.2 PCIe SSD	PCIe NVMe		256GB/512GB/1TB	3

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	2x M.2 SSD (1 onboard. 1 via PCIe to M.2 adapter, using Slot 3)

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 *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 3.0. 1x Thunderbolt. *Notes: DP or HDMI needs Core, Pentium, or -G suffix Xeon processor*
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



ThinkStation P330 SFF Gen 2











