

ThinkStation P340 SFF **30DK0008US**

Product

ThinkStation P340 SFF

Region

NA

Country/Region

USA

Machine Type

30DK

TopSeller

TopSeller

Processor

Intel Xeon W-1250 (6C / 12T, 3.3 / 4.7GHz, 12MB)

Integrated Graphics

Intel UHD Graphics P630

Discrete Graphics

NVIDIA Quadro P1000 4GB

Chipset

Intel W480

HDD Controller

Onboard Intel RST SATA RAID

M.2 SSD RAID Controller

Onboard Intel RSTe PCIe

Memory

1x 16GB UDIMM DDR4-2933 non-ECC

Internal Disk Drive

None

M.2 SSD Drive

1x 512GB SSD M.2 PCIe NVMe Opal

Optane Memory

None

Optical

9.0mm DVD±RW

Media Reader

SD Reader

Onboard Ethernet

1x GbE RJ-45

Additional Ethernet

None

WLAN + Bluetooth

None

Optional Rear Ports

None

Chassis Intrusion Switch

None

Cover Lock

None

Cable Lock

None

Keyboard

USB Traditional Keyboard, Black, English

Mouse

USB Calliope Mouse

Power Supply

380W 92%

System Management

Intel vPro with AMT 14

Operating System

Windows 10 Pro 64 for Workstations, English

Bundled Software

None

Base Warranty

3-year, Onsite

Bundled Service

None

EAN / UPC / JAN

195042712452

End of Support

2028-07-30

Announce Date

2020-06-09

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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ThinkStation P340 SFF Platform Specifications

Product Specifications Reference (PSREF)

Components	Specification									
Form factor	8.2L									
Dimensions	Height: 339.5 mm (13.4 in). Width: 92.5 mm (3.6 in). Depth: 309.7 mm (9.3 in)									
Weight	Maximum configuration: 12.46 lb (5.65 kg)									
Processor Sockets	1x FCLGA1200									
Processor Support	Up to one Xeon, Core i9, i7, i5, or i3 processor									
Processor	Processor Number	Cores	Threads	Base Frequency	Cache	TDP	Memory Types	ECC	Processor Graphics	vPro
	Xeon W-1290	10	20	3.2GHz	20MB	80W	DDR4-2933	Yes	UHD P630	Yes
	Xeon W-1270	8	16	3.4GHz	16MB	80W	DDR4-2933	Yes	UHD P630	Yes
	Xeon W-1250	6	12	3.3GHz	12MB	80W	DDR4-2666	Yes	UHD P630	Yes
	Core i9-10900	10	20	2.8GHz	20MB	65W	DDR4-2933	No	UHD 630	Yes
	Core i7-10700	8	16	2.9GHz	16MB	65W	DDR4-2933	No	UHD 630	Yes
	Core i5-10600	6	12	3.3GHz	12MB	65W	DDR4-2666	No	UHD 630	Yes
	Core i5-10500	6	12	3.1GHz	12MB	65W	DDR4-2666	No	UHD 630	Yes
	Core i5-10400	6	12	2.9GHz	12MB	65W	DDR4-2666	No	UHD 630	No
	Core i3-10320	4	8	3.8GHz	8MB	65W	DDR4-2666	No	UHD 630	No
	Core i3-10300	4	8	3.7GHz	8MB	65W	DDR4-2666	No	UHD 630	No
	Core i3-10100	4	8	3.6GHz	6MB	65W	DDR4-2666	No	UHD 630	No
Chipset	Intel W480 Chipset									
Memory Sockets	4 DIMM sockets with 2 channels									
Memory Types	8GB/16GB/32GB DDR4-2933 UDIMM ECC, or 4GB/8GB/16GB/32GB DDR4-2933 UDIMM non-ECC									
Memory Capacity	128GB									
Memory Protection	ECC. ECC memory and ECC-enable CPU are needed									
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 Xeon processors, or Intel UHD Graphics 630 in Core processors. Works along with discrete graphics to support multi-display, enables three rear display connectors (2 DP standard, 1 video port optional (Video port can be DP, HDMI, or USB-C))									
Discrete Graphics Offering	Graphics		Memory		Power	Connector			Max Qty	
	Quadro P400		2GB GDDR5		30W	3x miniDP			2	
	Quadro P620		2GB GDDR5		40W	4x miniDP			2	
	Quadro P1000		4GB GDDR5		50W	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/6TB			1		
	2.5" SATA HDD		SATA 6Gb/s	7.2K	1TB FIPS			2		
	2.5" SATA SSD		SATA 6Gb/s	-	512GB/1TB			2		
	M.2 PCIe SSD		PCIe NVMe	-	256GB/512GB/1TB/2TB			4		
	Optane Memory		PCIe NVMe	-	16GB			1		
Storage Bays	Bay 1	First 3.5" disk bay								
	Bay 2	First 2.5" SATA bay								
	Bay 3	9mm Slim ODD bay								
	Bay 4	Media reader								
	M.2	4x M.2 SSD (2 onboard, 2 via PCIe to M.2 adapter)								

Components	Specification
Media reader	Optional SD 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	Optional Intel Wi-Fi 6 AX201, 2x2, 2.4GHz/5GHz (160MHz channels), Wi-Fi 6, Bluetooth 5
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 models with vPro-enable processor. vPro also requires AX201 if Wi-Fi function is needed
Intel AMT	Intel Active Management Technology 14 on vPro models, Intel Standard Manageability on other models
Base warranty	Most models comes with 3-year limited onsite service with 9x5/NBD. Other models may have 1 or 2-year limited onsite service
HD Audio	Intel HD Audio interface with Realtek ALC623 Codec
Front ports	2x USB-A 3.2 Gen 1, 2x USB-A 3.2 Gen 2, 1x USB-C 3.2 Gen 1, 1x Mic-in, 1x Combo jack
Rear ports	2x USB-A 3.2 Gen 1, 2x USB-A 2.0, 1x RJ-45, 1x COM, 2x DP, 1x Audio line-out
Optional rear ports	Supports the following via cable: 1x COM, 1x Parallel, 2x PS/2, 1x video (DP, HDMI, or USB-C), 2x USB 2.0, Supports the following via PCIe adapter: 4x COM*, 1x USB-C 3.2 Gen 2, 2x USB-A 3.2 Gen 1*, 1x Thunderbolt Notes: 4x COM and 2x USB-A 3.2 Gen 1 are special bids only.
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, EPEAT Silver rating, and ENERGY STAR 8 qualified
Power supply	Supports one of the following: • 310W, 92% PSU, 100V - 240V, 80 PLUS Platinum qualified • 380W, 92% PSU, 100V - 240V, 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 [Lenovo workstation PSREF developer](#)

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