

ThinkStation P340 SFF 30DK0030GE

Product

ThinkStation P340 SFF

Region

WE

Country/Region

Germany

Machine Type

30DK

TopSeller

TopSeller

Processor

Intel Core i7-10700 (8C / 16T, 2.9 / 4.8GHz, 16MB)

Integrated Graphics

Intel UHD Graphics 630

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

2x 8GB 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

Card Reader

SD Reader

Onboard Ethernet

1x GbE RJ-45

Additional Ethernet

None

WLAN + Bluetooth

None

Optional Rear Ports

None

Chassis Intrusion Switch

Chassis Intrusion Switch

Cover Lock

E-Lock

Cable Lock

Cable Lock

Keyboard

USB Traditional Keyboard, Black, German

Mouse

USB Calliope Mouse

Power Supply

380W 92%

System Management

Intel vPro with AMT 14, DASH

Operating System

Windows 10 Pro 64, German

Bundled Software

None

Base Warranty

3-year, Onsite

Bundled Service

None

EAN / UPC / JAN

0195235630389

End of Support

2028-07-30

Announce Date

2020-07-17

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 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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