

ThinkStation P340 Tower 30DH00GPGE

Product

ThinkStation P340 Tower

Region

WE

Country/Region

Germany

Machine Type

30DH

TopSeller

TopSeller

Processor

Intel Core i7-10700K (8C / 16T, 3.8 / 5.1GHz, 16MB)

Integrated Graphics

Intel UHD Graphics 630

Discrete Graphics

NVIDIA Quadro P2200 5GB

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

Media 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

500W 92%

System Management

Intel vPro with AMT 14

Operating System

Windows 10 Pro 64, German

Bundled Software

None

Base Warranty

3-year, Onsite

Bundled Service

None

EAN / UPC / JAN

0195235605851

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 Tower Platform Specifications

Product Specifications Reference (PSREF)

Components	Specification										
Form factor	17L Tower										
Dimensions	Height: 376 mm (14.8 in). Width: 170 mm (6.7 in). Depth: 315.35 mm (12.4 in)										
Weight	Maximum configuration: 20.68 lb (9.38 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-1290P	10	20	3.7GHz	20MB	125W	DDR4-2933	Yes	UHD P630	Yes	
	Xeon W-1290	10	20	3.2GHz	20MB	80W	DDR4-2933	Yes	UHD P630	Yes	
	Xeon W-1270P	8	16	3.8GHz	16MB	125W	DDR4-2933	Yes	UHD P630	Yes	
	Xeon W-1270	8	16	3.4GHz	16MB	80W	DDR4-2933	Yes	UHD P630	Yes	
	Xeon W-1250P	6	12	4.1GHz	12MB	125W	DDR4-2666	Yes	UHD P630	Yes	
	Xeon W-1250	6	12	3.3GHz	12MB	80W	DDR4-2666	Yes	UHD P630	Yes	
	Core i9-10900K	10	20	3.7GHz	20MB	125W	DDR4-2933	No	UHD 630	Yes	
	Core i9-10900	10	20	2.8GHz	20MB	65W	DDR4-2933	No	UHD 630	Yes	
	Core i7-10700K	8	16	3.8GHz	16MB	125W	DDR4-2933	No	UHD 630	Yes	
	Core i7-10700	8	16	2.9GHz	16MB	65W	DDR4-2933	No	UHD 630	Yes	
	Core i5-10600K	6	12	4.1GHz	12MB	125W	DDR4-2666	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, full height, full length, links to CPU									
	Slot 2	PCIe 3.0 x1, full height, full length, links to PCH									
	Slot 3	PCIe 3.0 x16 (negotiable link width x4), full height, full length, 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	
	Quadro P2200		5GB GDDR5X		75W	4x DP				2	
	Quadro RTX 4000		8GB GDDR6		160W	3x DP, 1x VirtualLink				1	
	Quadro RTX 5000		16GB GDDR6		265W	4x DP, 1x VirtualLink				1	
Notes: RTX 4000/RTX 5000/2x P2200 needs 500W PSU.											
Storage Controller	Storage Controller			Type	Interface	Disk Type			RAID		
	Onboard Intel RST SATA RAID			Std	SATA 6Gb/s	HDD or SSD			0/1/10/5		
	Onboard Intel RST PCIe RAID			Std	PCIe NVMe	M.2 PCIe SSD			0/1		
Notes: RAID 5 and 10 are available on 2.5" HDD/SSD.											

Components	Specification				
Storage Support	Disk Type	Interface	RPM	Offering	Max Qty
	3.5" SATA HDD	SATA 6Gb/s	7.2K	1TB/2TB/4TB/6TB	2
	2.5" SATA HDD	SATA 6Gb/s	7.2K	1TB FIPS	4
	2.5" SATA SSD	SATA 6Gb/s	-	512GB/1TB	4
	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	Secondary 3.5" disk bay			
	Bay 4	Secondary 2.5" disk bay			
	Bay 5	9mm Slim ODD bay			
	Bay 6	Media reader			
	M.2	4x M.2 SSD (2 onboard, 2 via PCIe to M.2 adapter)			
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), WiFi 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 Xeon and selected Core i7 or i5 models. 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: • 300W, 90% PSU, 100V - 240V, 80 PLUS Gold qualified • 500W, 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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