

# 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: 20.7 lb (9.4 kg)																																																																																																																																																																																				
Processor Sockets	1x FCLGA1200																																																																																																																																																																																				
Processor Support	Up to one Xeon, Core i9, i7, i5, or i3 processor																																																																																																																																																																																				
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	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																																																																																																																																																																											
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Notes: Processors with * means that the processor will be available on 2020/07/28																																																																																																																																																																																					
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	<table border="1"> <thead> <tr> <th>Graphics</th> <th>Memory</th> <th>Power</th> <th>Connector</th> <th>Max Qty</th> </tr> </thead> <tbody> <tr> <td>Quadro P400</td> <td>2GB GDDR5</td> <td>30W</td> <td>3x miniDP</td> <td>2</td> </tr> <tr> <td>Quadro P620</td> <td>2GB GDDR5</td> <td>40W</td> <td>4x miniDP</td> <td>2</td> </tr> <tr> <td>Quadro P1000</td> <td>4GB GDDR5</td> <td>50W</td> <td>4x miniDP</td> <td>2</td> </tr> <tr> <td>Quadro P2200</td> <td>5GB GDDR5X</td> <td>75W</td> <td>4x DP</td> <td>2</td> </tr> <tr> <td>Quadro RTX 4000</td> <td>8GB GDDR6</td> <td>160W</td> <td>3x DP, 1x VirtualLink</td> <td>1</td> </tr> <tr> <td>Quadro RTX 5000</td> <td>16GB GDDR6</td> <td>265W</td> <td>4x DP, 1x VirtualLink</td> <td>1</td> </tr> </tbody> </table>	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																																																																																																																																																	
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Notes: RTX 4000/RTX 5000/2x P2200 needs 500W PSU.																																																																																																																																																																																					
Storage Controller	<table border="1"> <thead> <tr> <th>Storage Controller</th> <th>Type</th> <th>Interface</th> <th>Disk Type</th> <th>RAID</th> </tr> </thead> <tbody> <tr> <td>Onboard Intel RST SATA RAID</td> <td>Std</td> <td>SATA 6Gb/s</td> <td>HDD or SSD</td> <td>0/1/10/5</td> </tr> <tr> <td>Onboard Intel RST PCIe RAID</td> <td>Std</td> <td>PCIe NVMe</td> <td>M.2 PCIe SSD</td> <td>0/1</td> </tr> </tbody> </table>	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																																																																																																																																																																					
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Storage Support	<table border="1"> <thead> <tr> <th>Disk Type</th> <th>Interface</th> <th>RPM</th> <th>Offering</th> <th>Max Qty</th> </tr> </thead> <tbody> <tr> <td>3.5" SATA HDD</td> <td>SATA 6Gb/s</td> <td>7.2K</td> <td>1TB/2TB/4TB/6TB</td> <td>2</td> </tr> <tr> <td>2.5" SATA HDD</td> <td>SATA 6Gb/s</td> <td>7.2K</td> <td>1TB FIPS</td> <td>4</td> </tr> <tr> <td>2.5" SATA SSD</td> <td>SATA 6Gb/s</td> <td>-</td> <td>512GB/1TB</td> <td>4</td> </tr> <tr> <td>M.2 PCIe SSD</td> <td>PCIe NVMe</td> <td>-</td> <td>256GB/512GB/1TB/2TB</td> <td>4</td> </tr> </tbody> </table>	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
	Disk Type	Interface	RPM	Offering	Max Qty																					
	3.5" SATA HDD	SATA 6Gb/s	7.2K	1TB/2TB/4TB/6TB	2																					
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2.5" SATA SSD	SATA 6Gb/s	-	512GB/1TB	4																						
M.2 PCIe SSD	PCIe NVMe	-	256GB/512GB/1TB/2TB	4																						
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), 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 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 <a href="http://www.thinkworkstations.com/isv-certifications/">www.thinkworkstations.com/isv-certifications/</a>																									

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](mailto:Lenovo_workstation_PSREF_developer)