

# 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: 12.6 lb (5.7 kg)																																																																																																																								
Processor Sockets	1x FCLGA1200																																																																																																																								
Processor Support	Up to one Xeon, Core i9, i7, i5, or i3 processor																																																																																																																								
Processor	<table border="1"> <thead> <tr> <th>Processor Number</th> <th>Cores</th> <th>Threads</th> <th>Base Frequency</th> <th>Cache</th> <th>TDP</th> <th>Memory Types</th> <th>ECC</th> <th>Processor Graphics</th> <th>vPro</th> </tr> </thead> <tbody> <tr> <td>Xeon W-1290</td> <td>10</td> <td>20</td> <td>3.2GHz</td> <td>20MB</td> <td>80W</td> <td>DDR4-2933</td> <td>Yes</td> <td>UHD P630</td> <td>Yes</td> </tr> <tr> <td>Xeon W-1270</td> <td>8</td> <td>16</td> <td>3.4GHz</td> <td>16MB</td> <td>80W</td> <td>DDR4-2933</td> <td>Yes</td> <td>UHD P630</td> <td>Yes</td> </tr> <tr> <td>Xeon W-1250</td> <td>6</td> <td>12</td> <td>3.3GHz</td> <td>12MB</td> <td>80W</td> <td>DDR4-2666</td> <td>Yes</td> <td>UHD P630</td> <td>Yes</td> </tr> <tr> <td>Core i9-10900</td> <td>10</td> <td>20</td> <td>2.8GHz</td> <td>20MB</td> <td>65W</td> <td>DDR4-2933</td> <td>No</td> <td>UHD 630</td> <td>Yes</td> </tr> <tr> <td>Core i7-10700</td> <td>8</td> <td>16</td> <td>2.9GHz</td> <td>16MB</td> <td>65W</td> <td>DDR4-2933</td> <td>No</td> <td>UHD 630</td> <td>Yes</td> </tr> <tr> <td>Core i5-10600</td> <td>6</td> <td>12</td> <td>3.3GHz</td> <td>12MB</td> <td>65W</td> <td>DDR4-2666</td> <td>No</td> <td>UHD 630</td> <td>Yes</td> </tr> <tr> <td>Core i5-10500</td> <td>6</td> <td>12</td> <td>3.1GHz</td> <td>12MB</td> <td>65W</td> <td>DDR4-2666</td> <td>No</td> <td>UHD 630</td> <td>Yes</td> </tr> <tr> <td>Core i5-10400</td> <td>6</td> <td>12</td> <td>2.9GHz</td> <td>12MB</td> <td>65W</td> <td>DDR4-2666</td> <td>No</td> <td>UHD 630</td> <td>No</td> </tr> <tr> <td>Core i3-10320</td> <td>4</td> <td>8</td> <td>3.8GHz</td> <td>8MB</td> <td>65W</td> <td>DDR4-2666</td> <td>No</td> <td>UHD 630</td> <td>No</td> </tr> <tr> <td>Core i3-10300</td> <td>4</td> <td>8</td> <td>3.7GHz</td> <td>8MB</td> <td>65W</td> <td>DDR4-2666</td> <td>No</td> <td>UHD 630</td> <td>No</td> </tr> <tr> <td>Core i3-10100</td> <td>4</td> <td>8</td> <td>3.6GHz</td> <td>6MB</td> <td>65W</td> <td>DDR4-2666</td> <td>No</td> <td>UHD 630</td> <td>No</td> </tr> </tbody> </table>	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
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	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																																																																																																															
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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))																																																																																																																								
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	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 <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)