

ThinkStation P330 Tiny Platform Specifications - I of II

Components	Specification																																																																																																																																																																																																																														
Form factor	1L. Optional VESA mount bracket kit, supports VESA 75mm and 100mm. Optional floor stand for vertical orientation. Optional tool-less chassis open. Optional dust filter																																																																																																																																																																																																																														
Dimensions	Height: 179 mm (7.0 in). Width: 37 mm (1.5 in). Depth: 183 mm (7.2 in)																																																																																																																																																																																																																														
Weight	Maximum configuration: 2.9 lb (1.3kg)																																																																																																																																																																																																																														
Recommended monitors	Lenovo recommends ThinkVision P series monitors for best display performance and productivity																																																																																																																																																																																																																														
Processor	Supports one of the following:																																																																																																																																																																																																																														
	<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>Processor Graphics</th> </tr> </thead> <tbody> <tr> <td>Core i9-9900T</td> <td>8</td> <td>16</td> <td>2.1GHz</td> <td>16MB</td> <td>35W</td> <td>DDR4-2666</td> <td>Intel UHD Graphics 630</td> </tr> <tr> <td>Core i7-9700T</td> <td>8</td> <td>8</td> <td>2.0GHz</td> <td>12MB</td> <td>35W</td> <td>DDR4-2666</td> <td>Intel UHD Graphics 630</td> </tr> <tr> <td>Core i7-9700</td> <td>8</td> <td>8</td> <td>3.0GHz</td> <td>12MB</td> <td>65W</td> <td>DDR4-2666</td> <td>Intel UHD Graphics 630</td> </tr> <tr> <td>Core i5-9600T</td> <td>6</td> <td>6</td> <td>2.3GHz</td> <td>9MB</td> <td>35W</td> <td>DDR4-2666</td> <td>Intel UHD Graphics 630</td> </tr> <tr> <td>Core i5-9600</td> <td>6</td> <td>6</td> <td>3.1GHz</td> <td>9MB</td> <td>65W</td> <td>DDR4-2666</td> <td>Intel UHD Graphics 630</td> </tr> <tr> <td>Core i5-9500T</td> <td>6</td> <td>6</td> <td>2.2GHz</td> <td>9MB</td> <td>35W</td> <td>DDR4-2666</td> <td>Intel UHD Graphics 630</td> </tr> <tr> <td>Core i5-9500</td> <td>6</td> <td>6</td> <td>3.0GHz</td> <td>9MB</td> <td>65W</td> <td>DDR4-2666</td> <td>Intel UHD Graphics 630</td> </tr> <tr> <td>Core i5-9400T</td> <td>6</td> <td>6</td> <td>1.8GHz</td> <td>9MB</td> <td>35W</td> <td>DDR4-2666</td> <td>Intel UHD Graphics 630</td> </tr> <tr> <td>Core i5-9400</td> <td>6</td> <td>6</td> <td>2.9GHz</td> <td>9MB</td> <td>65W</td> <td>DDR4-2666</td> <td>Intel UHD Graphics 630</td> </tr> <tr> <td>Core i3-9320</td> <td>4</td> <td>4</td> <td>3.7GHz</td> <td>8MB</td> <td>62W</td> <td>DDR4-2400</td> <td>Intel UHD Graphics 630</td> </tr> <tr> <td>Core i3-9300T</td> <td>4</td> <td>4</td> <td>3.2GHz</td> <td>8MB</td> <td>35W</td> <td>DDR4-2400</td> <td>Intel UHD Graphics 630</td> </tr> <tr> <td>Core i3-9300</td> <td>4</td> <td>4</td> <td>3.7GHz</td> <td>8MB</td> <td>62W</td> <td>DDR4-2400</td> <td>Intel UHD Graphics 630</td> </tr> <tr> <td>Core i3-9100T</td> <td>4</td> <td>4</td> <td>3.1GHz</td> <td>6MB</td> <td>35W</td> <td>DDR4-2400</td> <td>Intel UHD Graphics 630</td> </tr> <tr> <td>Core i3-9100</td> <td>4</td> <td>4</td> <td>3.6GHz</td> <td>6MB</td> <td>65W</td> <td>DDR4-2400</td> <td>Intel UHD Graphics 630</td> </tr> <tr> <td>Core i7-8700T</td> <td>6</td> <td>12</td> <td>2.4GHz</td> <td>12MB</td> <td>35W</td> <td>DDR4-2666</td> <td>Intel UHD Graphics 630</td> </tr> <tr> <td>Core i7-8700</td> <td>6</td> <td>12</td> <td>3.2GHz</td> <td>12MB</td> <td>65W</td> <td>DDR4-2666</td> <td>Intel UHD Graphics 630</td> </tr> <tr> <td>Core i5-8600T</td> <td>6</td> <td>6</td> <td>2.3GHz</td> <td>9MB</td> <td>35W</td> <td>DDR4-2666</td> <td>Intel UHD Graphics 630</td> </tr> <tr> <td>Core i5-8600</td> <td>6</td> <td>6</td> <td>3.1GHz</td> <td>9MB</td> <td>65W</td> <td>DDR4-2666</td> <td>Intel UHD Graphics 630</td> </tr> <tr> <td>Core i5-8500T</td> <td>6</td> <td>6</td> <td>2.1GHz</td> <td>9MB</td> <td>35W</td> <td>DDR4-2666</td> <td>Intel UHD Graphics 630</td> </tr> <tr> <td>Core i5-8500</td> <td>6</td> <td>6</td> <td>3.0GHz</td> <td>9MB</td> <td>65W</td> <td>DDR4-2666</td> <td>Intel UHD Graphics 630</td> </tr> <tr> <td>Core i5-8400T</td> <td>6</td> <td>6</td> <td>1.7GHz</td> <td>9MB</td> <td>35W</td> <td>DDR4-2666</td> <td>Intel UHD Graphics 630</td> </tr> <tr> <td>Core i5-8400</td> <td>6</td> <td>6</td> <td>2.8GHz</td> <td>9MB</td> <td>65W</td> <td>DDR4-2666</td> <td>Intel UHD Graphics 630</td> </tr> <tr> <td>Core i3-8300T</td> <td>4</td> <td>4</td> <td>3.2GHz</td> <td>8MB</td> <td>35W</td> <td>DDR4-2400</td> <td>Intel UHD Graphics 630</td> </tr> <tr> <td>Core i3-8300</td> <td>4</td> <td>4</td> <td>3.7GHz</td> <td>8MB</td> <td>62W</td> <td>DDR4-2400</td> <td>Intel UHD Graphics 630</td> </tr> <tr> <td>Core i3-8100T</td> <td>4</td> <td>4</td> <td>3.1GHz</td> <td>6MB</td> <td>35W</td> <td>DDR4-2400</td> <td>Intel UHD Graphics 630</td> </tr> <tr> <td>Core i3-8100</td> <td>4</td> <td>4</td> <td>3.6GHz</td> <td>6MB</td> <td>65W</td> <td>DDR4-2400</td> <td>Intel UHD Graphics 630</td> </tr> <tr> <td>Chipset</td> <td>Intel Q370 Chipset</td> </tr> <tr> <td>Memory</td> <td>2 DIMM sockets. DDR4-2666. SoDIMM. Non-ECC</td> </tr> <tr> <td>Memory Capacity</td> <td>64GB (2x 32GB)</td> </tr> </tbody> </table>	Processor Number	Cores	Threads	Base Frequency	Cache	TDP	Memory Types	Processor Graphics	Core i9-9900T	8	16	2.1GHz	16MB	35W	DDR4-2666	Intel UHD Graphics 630	Core i7-9700T	8	8	2.0GHz	12MB	35W	DDR4-2666	Intel UHD Graphics 630	Core i7-9700	8	8	3.0GHz	12MB	65W	DDR4-2666	Intel UHD Graphics 630	Core i5-9600T	6	6	2.3GHz	9MB	35W	DDR4-2666	Intel UHD Graphics 630	Core i5-9600	6	6	3.1GHz	9MB	65W	DDR4-2666	Intel UHD Graphics 630	Core i5-9500T	6	6	2.2GHz	9MB	35W	DDR4-2666	Intel UHD Graphics 630	Core i5-9500	6	6	3.0GHz	9MB	65W	DDR4-2666	Intel UHD Graphics 630	Core i5-9400T	6	6	1.8GHz	9MB	35W	DDR4-2666	Intel UHD Graphics 630	Core i5-9400	6	6	2.9GHz	9MB	65W	DDR4-2666	Intel UHD Graphics 630	Core i3-9320	4	4	3.7GHz	8MB	62W	DDR4-2400	Intel UHD Graphics 630	Core i3-9300T	4	4	3.2GHz	8MB	35W	DDR4-2400	Intel UHD Graphics 630	Core i3-9300	4	4	3.7GHz	8MB	62W	DDR4-2400	Intel UHD Graphics 630	Core i3-9100T	4	4	3.1GHz	6MB	35W	DDR4-2400	Intel UHD Graphics 630	Core i3-9100	4	4	3.6GHz	6MB	65W	DDR4-2400	Intel UHD Graphics 630	Core i7-8700T	6	12	2.4GHz	12MB	35W	DDR4-2666	Intel UHD Graphics 630	Core i7-8700	6	12	3.2GHz	12MB	65W	DDR4-2666	Intel UHD Graphics 630	Core i5-8600T	6	6	2.3GHz	9MB	35W	DDR4-2666	Intel UHD Graphics 630	Core i5-8600	6	6	3.1GHz	9MB	65W	DDR4-2666	Intel UHD Graphics 630	Core i5-8500T	6	6	2.1GHz	9MB	35W	DDR4-2666	Intel UHD Graphics 630	Core i5-8500	6	6	3.0GHz	9MB	65W	DDR4-2666	Intel UHD Graphics 630	Core i5-8400T	6	6	1.7GHz	9MB	35W	DDR4-2666	Intel UHD Graphics 630	Core i5-8400	6	6	2.8GHz	9MB	65W	DDR4-2666	Intel UHD Graphics 630	Core i3-8300T	4	4	3.2GHz	8MB	35W	DDR4-2400	Intel UHD Graphics 630	Core i3-8300	4	4	3.7GHz	8MB	62W	DDR4-2400	Intel UHD Graphics 630	Core i3-8100T	4	4	3.1GHz	6MB	35W	DDR4-2400	Intel UHD Graphics 630	Core i3-8100	4	4	3.6GHz	6MB	65W	DDR4-2400	Intel UHD Graphics 630	Chipset	Intel Q370 Chipset	Memory	2 DIMM sockets. DDR4-2666. SoDIMM. Non-ECC	Memory Capacity	64GB (2x 32GB)
	Processor Number	Cores	Threads	Base Frequency	Cache	TDP	Memory Types	Processor Graphics																																																																																																																																																																																																																							
	Core i9-9900T	8	16	2.1GHz	16MB	35W	DDR4-2666	Intel UHD Graphics 630																																																																																																																																																																																																																							
	Core i7-9700T	8	8	2.0GHz	12MB	35W	DDR4-2666	Intel UHD Graphics 630																																																																																																																																																																																																																							
	Core i7-9700	8	8	3.0GHz	12MB	65W	DDR4-2666	Intel UHD Graphics 630																																																																																																																																																																																																																							
	Core i5-9600T	6	6	2.3GHz	9MB	35W	DDR4-2666	Intel UHD Graphics 630																																																																																																																																																																																																																							
	Core i5-9600	6	6	3.1GHz	9MB	65W	DDR4-2666	Intel UHD Graphics 630																																																																																																																																																																																																																							
	Core i5-9500T	6	6	2.2GHz	9MB	35W	DDR4-2666	Intel UHD Graphics 630																																																																																																																																																																																																																							
	Core i5-9500	6	6	3.0GHz	9MB	65W	DDR4-2666	Intel UHD Graphics 630																																																																																																																																																																																																																							
	Core i5-9400T	6	6	1.8GHz	9MB	35W	DDR4-2666	Intel UHD Graphics 630																																																																																																																																																																																																																							
	Core i5-9400	6	6	2.9GHz	9MB	65W	DDR4-2666	Intel UHD Graphics 630																																																																																																																																																																																																																							
	Core i3-9320	4	4	3.7GHz	8MB	62W	DDR4-2400	Intel UHD Graphics 630																																																																																																																																																																																																																							
	Core i3-9300T	4	4	3.2GHz	8MB	35W	DDR4-2400	Intel UHD Graphics 630																																																																																																																																																																																																																							
	Core i3-9300	4	4	3.7GHz	8MB	62W	DDR4-2400	Intel UHD Graphics 630																																																																																																																																																																																																																							
	Core i3-9100T	4	4	3.1GHz	6MB	35W	DDR4-2400	Intel UHD Graphics 630																																																																																																																																																																																																																							
	Core i3-9100	4	4	3.6GHz	6MB	65W	DDR4-2400	Intel UHD Graphics 630																																																																																																																																																																																																																							
	Core i7-8700T	6	12	2.4GHz	12MB	35W	DDR4-2666	Intel UHD Graphics 630																																																																																																																																																																																																																							
	Core i7-8700	6	12	3.2GHz	12MB	65W	DDR4-2666	Intel UHD Graphics 630																																																																																																																																																																																																																							
	Core i5-8600T	6	6	2.3GHz	9MB	35W	DDR4-2666	Intel UHD Graphics 630																																																																																																																																																																																																																							
	Core i5-8600	6	6	3.1GHz	9MB	65W	DDR4-2666	Intel UHD Graphics 630																																																																																																																																																																																																																							
	Core i5-8500T	6	6	2.1GHz	9MB	35W	DDR4-2666	Intel UHD Graphics 630																																																																																																																																																																																																																							
	Core i5-8500	6	6	3.0GHz	9MB	65W	DDR4-2666	Intel UHD Graphics 630																																																																																																																																																																																																																							
	Core i5-8400T	6	6	1.7GHz	9MB	35W	DDR4-2666	Intel UHD Graphics 630																																																																																																																																																																																																																							
	Core i5-8400	6	6	2.8GHz	9MB	65W	DDR4-2666	Intel UHD Graphics 630																																																																																																																																																																																																																							
	Core i3-8300T	4	4	3.2GHz	8MB	35W	DDR4-2400	Intel UHD Graphics 630																																																																																																																																																																																																																							
	Core i3-8300	4	4	3.7GHz	8MB	62W	DDR4-2400	Intel UHD Graphics 630																																																																																																																																																																																																																							
Core i3-8100T	4	4	3.1GHz	6MB	35W	DDR4-2400	Intel UHD Graphics 630																																																																																																																																																																																																																								
Core i3-8100	4	4	3.6GHz	6MB	65W	DDR4-2400	Intel UHD Graphics 630																																																																																																																																																																																																																								
Chipset	Intel Q370 Chipset																																																																																																																																																																																																																														
Memory	2 DIMM sockets. DDR4-2666. SoDIMM. Non-ECC																																																																																																																																																																																																																														
Memory Capacity	64GB (2x 32GB)																																																																																																																																																																																																																														

Components	Specification															
Expansion slots	One PCIe slot via specific riser card: PCIe 3.0 x16 (negotiable link width x8) and low profile for discrete graphics card; PCIe 3.0 x4 and low profile for i350-T4 adapter and quad COM ports adapter															
Graphics	65W or 62W processor models supports processor graphics only. 35W processor models come with processor graphics plus a discrete graphics adapter															
Graphics - Processor graphics	Integrated Intel UHD Graphics 630. Works along with discrete graphics to support multi-display															
Graphics - Discrete graphics card	One of the following discrete graphics cards on 35W processor models:															
	<table border="1"> <thead> <tr> <th>Adapter</th> <th>Cores</th> <th>Memory</th> <th>Power</th> <th>Connectors</th> </tr> </thead> <tbody> <tr> <td>Quadro P620</td> <td>512</td> <td>2GB GDDR5</td> <td>40W</td> <td>4x miniDP</td> </tr> <tr> <td>Quadro P1000</td> <td>640</td> <td>4GB GDDR5</td> <td>47W</td> <td>4x miniDP</td> </tr> </tbody> </table>	Adapter	Cores	Memory	Power	Connectors	Quadro P620	512	2GB GDDR5	40W	4x miniDP	Quadro P1000	640	4GB GDDR5	47W	4x miniDP
	Adapter	Cores	Memory	Power	Connectors											
Quadro P620	512	2GB GDDR5	40W	4x miniDP												
Quadro P1000	640	4GB GDDR5	47W	4x miniDP												
Storage controllers	Integrated Intel SATA AHCI controller in chipset, 6Gbps SATA, one onboard SATA port for 2.5" HDD															
Internal storage bay	Up to one 2.5" HDD on models without discrete graphics card															
Disks	2.5" HDD supports up to 2TB, SATA 6Gbps, 5.4K; or 1TB SATA 6Gbps, 7.2K															
M.2 slot for SSD	Two onboard M.2 slots for M.2 SSD, one for M.2 2280 SSD, one for M.2 2280 or 2242 SSD															
M.2 SSD	M.2 2280 SSD supports up to 1TB each, optional Opal. M.2 2242 SSD supports up to 512GB each															
Optane memory	Up to one 16GB Optane memory per system. Optane memory must work with a 2.5" HDD															
M.2 slot for Wi-Fi and Bluetooth	One dedicated M.2 2230 slot for optional Wi-Fi card, supports one of the following: Intel Wireless-AC 9560, 2x2, 2.4GHz/5GHz (160MHz channels), 802.11ac, Bluetooth 5, up to 1.73Gbps. Intel Wireless-AC 8265, 2x2, 2.4GHz/5GHz, 802.11ac, Bluetooth 4.2, up to 867Mbps. <i>Note: Wi-Fi card, or specific functions of Wi-Fi card may not be supported in some countries</i>															
Wi-Fi antenna	Optional Tiny 2.4GHz/5GHz SMA antenna kit															
Optical	Optional one 9.0mm optical drive via optical drive kit, DVD-ROM or DVD±RW. VESA mount is required															
Media reader	None. Using USB adapter															
Network interfaces	One onboard GbE port via integrated gigabit ethernet Intel i219LM, supports Wake-on-LAN. Optional Intel i350-T4 for 4x GbE ports, using PCIe slot															
Security features	Power-on and admin password. Trusted Platform Module, TCG 2.0 compliant. Chassis intrusion switch. Optional Kensington lock															
Intel vPro Technology	Supports vPro on models with the following processors: Core i7-8700T, Core i7-8700, Core i5-8600T, Core i5-8600, Core i5-8500T, Core i5-8500. vPro also requires Wireless-AC 9560 if Wi-Fi is needed															
Systems management	Intel Active Management Technology 12 on vPro models, Intel Standard Manageability on other models															
Base warranty	US models comes with 3-year limited onsite service with 9x5/NBD. 1 or 3-year limited onsite service with 9x5/NBD in EMEA or other GEOs															
HD Audio	Intel HD Audio interface with Realtek ALC233 Codec															
Front standard ports	1x USB 3.1 Gen 1 Type A (charging). 1x USB 3.1 Gen 1 Type-C. 1x Mic-in. 1x Combo jack															
Rear standard ports	2x USB 3.1 Gen 2 Type A. 2x USB 3.1 Gen 1 Type-A. 1x RJ-45. 1x DP. 1x HDMI															
Optional rear ports - via punch out cable	Up to two optional rear ports via punch out cable. Port 1 supports one of the following: 1x USB 3.1 Gen 1 Type-C, also supports DP function. 1x COM. 1x VGA. 1x DP. 1x HDMI. Port 2 supports one COM															

ThinkStation P330 Tiny Platform Specifications - II of II

Product Specifications Reference (PSREF)

Components	Specification
Optional rear ports - via PCIe adapter	Supports one of the following: 4x miniDP with Quadro P620 or P1000, 35W processor models only 2x USB 3.1 Gen 1. 4x RJ-45 GbE with Intel I350-T4. 4x COM <i>Note: Punch out cable and PCIe adapter are mutually exclusive</i>
Temperature	Operating: 50 °F to 95 °F (10 °C to 35 °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: 20%~80%, non-condensing Storage (with package): 20%~90%, non-condensing
MIL-SPEC	Certified
Environmental certification	RoHS-compliant. GREENGUARD. EPEAT Silver rating and ENERGY STAR 7 qualified
Power supply	Supports one 135W power adapter, 100V - 240V, 88% PSU
ISV certifications	Please visit www.thinkworkstations.com/isv-certifications/