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: 36.5 mm (1.437 in).
- Depth: 182.9 mm (7.2 in).

**Weight**
- Maximum configuration: 3.08 lb (1.4kg).

**Supported TIO monitors**
- Tiny-in-One 23 (MT: 10DQ).
- Tiny-in-One 22 (MT: 10LK).
- Tiny-in-One 24 (MT: 10LL).
- P24k 232n Gen3 (MT: 10R1).
- P24k 232n Gen3 Touch (MT: 10R0).
- P24k 241n Gen3 (MT: 10QY).
- P24k 241n Gen3 Touch (MT: 10QX).

**Recommended monitors**
- Lenovo recommends ThinkVision P series monitors for best display performance and productivity.

**Processors**

<table>
<thead>
<tr>
<th>Processor Number</th>
<th>Cores</th>
<th>Threads</th>
<th>Base Frequency</th>
<th>Cache</th>
<th>TDP</th>
<th>Memory</th>
<th>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 DDR4-2400</td>
<td>Intel UHD 630</td>
<td></td>
</tr>
<tr>
<td>Core i7-9700T</td>
<td>8</td>
<td>8</td>
<td>2.0GHz</td>
<td>12MB</td>
<td>35W DDR4-2666</td>
<td>Intel UHD 630</td>
<td></td>
</tr>
<tr>
<td>Core i5-9600T</td>
<td>6</td>
<td>6</td>
<td>2.6GHz</td>
<td>9MB</td>
<td>35W DDR4-2666</td>
<td>Intel UHD 630</td>
<td></td>
</tr>
<tr>
<td>Core i5-9600</td>
<td>6</td>
<td>6</td>
<td>2.5GHz</td>
<td>9MB</td>
<td>65W DDR4-2666</td>
<td>Intel UHD 630</td>
<td></td>
</tr>
<tr>
<td>Core i5-9500T</td>
<td>6</td>
<td>6</td>
<td>2.2GHz</td>
<td>9MB</td>
<td>65W DDR4-2666</td>
<td>Intel UHD 630</td>
<td></td>
</tr>
<tr>
<td>Core i5-9500</td>
<td>6</td>
<td>6</td>
<td>2.0GHz</td>
<td>9MB</td>
<td>65W DDR4-2666</td>
<td>Intel UHD 630</td>
<td></td>
</tr>
<tr>
<td>Core i5-9400T</td>
<td>6</td>
<td>6</td>
<td>1.8GHz</td>
<td>9MB</td>
<td>65W DDR4-2666</td>
<td>Intel UHD 630</td>
<td></td>
</tr>
<tr>
<td>Core i5-9400</td>
<td>6</td>
<td>6</td>
<td>2.8GHz</td>
<td>9MB</td>
<td>65W DDR4-2666</td>
<td>Intel UHD 630</td>
<td></td>
</tr>
<tr>
<td>Core i3-9320</td>
<td>4</td>
<td>4</td>
<td>3.7GHz</td>
<td>8MB</td>
<td>62W DDR4-2400</td>
<td>Intel UHD 630</td>
<td></td>
</tr>
<tr>
<td>Core i3-9300</td>
<td>4</td>
<td>4</td>
<td>3.2GHz</td>
<td>8MB</td>
<td>35W DDR4-2400</td>
<td>Intel UHD 630</td>
<td></td>
</tr>
<tr>
<td>Core i9-8900T</td>
<td>8</td>
<td>16</td>
<td>1.7GHz</td>
<td>16MB</td>
<td>35W DDR4-2400</td>
<td>Intel UHD 630</td>
<td></td>
</tr>
<tr>
<td>Core i7-8700T</td>
<td>8</td>
<td>8</td>
<td>1.8GHz</td>
<td>12MB</td>
<td>35W DDR4-2666</td>
<td>Intel UHD 630</td>
<td></td>
</tr>
<tr>
<td>Core i7-8700</td>
<td>8</td>
<td>8</td>
<td>2.6GHz</td>
<td>12MB</td>
<td>35W DDR4-2666</td>
<td>Intel UHD 630</td>
<td></td>
</tr>
<tr>
<td>Core i5-8600T</td>
<td>6</td>
<td>6</td>
<td>2.3GHz</td>
<td>9MB</td>
<td>65W DDR4-2666</td>
<td>Intel UHD 630</td>
<td></td>
</tr>
<tr>
<td>Core i5-8600</td>
<td>6</td>
<td>6</td>
<td>2.4GHz</td>
<td>9MB</td>
<td>65W DDR4-2666</td>
<td>Intel UHD 630</td>
<td></td>
</tr>
<tr>
<td>Core i5-8500T</td>
<td>4</td>
<td>4</td>
<td>3.1GHz</td>
<td>6MB</td>
<td>35W DDR4-2400</td>
<td>Intel UHD 630</td>
<td></td>
</tr>
<tr>
<td>Core i5-8500</td>
<td>4</td>
<td>4</td>
<td>2.0GHz</td>
<td>6MB</td>
<td>35W DDR4-2400</td>
<td>Intel UHD 630</td>
<td></td>
</tr>
<tr>
<td>Core i5-8500</td>
<td>6</td>
<td>6</td>
<td>3.0GHz</td>
<td>9MB</td>
<td>65W DDR4-2666</td>
<td>Intel UHD 630</td>
<td></td>
</tr>
<tr>
<td>Core i5-8400</td>
<td>6</td>
<td>6</td>
<td>1.7GHz</td>
<td>9MB</td>
<td>35W DDR4-2666</td>
<td>Intel UHD 630</td>
<td></td>
</tr>
<tr>
<td>Core i5-8400</td>
<td>6</td>
<td>6</td>
<td>2.8GHz</td>
<td>9MB</td>
<td>35W DDR4-2666</td>
<td>Intel UHD 630</td>
<td></td>
</tr>
<tr>
<td>Core i3-8320</td>
<td>4</td>
<td>4</td>
<td>3.2GHz</td>
<td>8MB</td>
<td>35W DDR4-2400</td>
<td>Intel UHD 630</td>
<td></td>
</tr>
<tr>
<td>Core i3-8300</td>
<td>4</td>
<td>4</td>
<td>3.7GHz</td>
<td>8MB</td>
<td>62W DDR4-2400</td>
<td>Intel UHD 630</td>
<td></td>
</tr>
<tr>
<td>Core i3-8100</td>
<td>4</td>
<td>4</td>
<td>3.1GHz</td>
<td>6MB</td>
<td>35W DDR4-2400</td>
<td>Intel UHD 630</td>
<td></td>
</tr>
<tr>
<td>Core i3-8100</td>
<td>4</td>
<td>4</td>
<td>3.6GHz</td>
<td>6MB</td>
<td>65W DDR4-2400</td>
<td>Intel UHD 630</td>
<td></td>
</tr>
</tbody>
</table>

**Chipset**
- Intel Q370 Chipset

**Memory**
- 2 DIMM sockets. DDR4-2666. SoDIMM. Non-ECC

**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:
  - Adapter: Quadro P620
  - Cores: 152
  - Memory: 2GB GDDR5
  - Power: 40W
  - Connectors: 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

**Disks**
- 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, PCIe 3.0 x4, NVMe, optional Opal.

**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 5.0, up to 1.73Gbps.
  - Intel Wireless-A 8265, 2x2, 2.4GHz/5GHz, 802.11ac, Bluetooth 4.2, up to 867Mbps.
- Note: Wi-Fi card, or specific functions of Wi-Fi card may not be supported in some countries

**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 Intel 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

Lenovo, August 2019
**ThinkStation P330 Tiny Platform Specifications - II of II**

<table>
<thead>
<tr>
<th>Components</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optional rear ports via punch out cable</td>
<td>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</td>
</tr>
<tr>
<td>Optional rear ports via PCIe adapter</td>
<td>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 Note: Punch out cable and PCIe adapter are mutually exclusive</td>
</tr>
<tr>
<td>Temperature</td>
<td>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)</td>
</tr>
<tr>
<td>Altitude</td>
<td>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)</td>
</tr>
<tr>
<td>Humidity</td>
<td>Operating: 20%~80%, non-condensing Storage (with package): 20%~90%, non-condensing</td>
</tr>
<tr>
<td>MIL-SPEC</td>
<td>Certified</td>
</tr>
<tr>
<td>Environmental certification</td>
<td>RoHS-compliant, GREENGUARD. EPEAT Silver rating and ENERGY STAR 7 qualified</td>
</tr>
<tr>
<td>Power supply</td>
<td>Supports one 135W power adapter, 100V - 240V, 88% PSU</td>
</tr>
<tr>
<td>SV certifications</td>
<td>Please visit <a href="http://www.thinkworkstations.com/isv-certifications/">www.thinkworkstations.com/isv-certifications/</a></td>
</tr>
</tbody>
</table>