PERFORMANCE

Processor

**Processor Family**
Up to one Intel® Core™ i9, i7, i5, or i3 processor

<table>
<thead>
<tr>
<th>Processor Name</th>
<th>Cores</th>
<th>Threads</th>
<th>Base Frequency</th>
<th>Max Frequency</th>
<th>Cache</th>
<th>Memory Support</th>
<th>Processor Graphics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core i3-10100</td>
<td>4</td>
<td>8</td>
<td>3.6GHz</td>
<td>4.3GHz</td>
<td>6MB</td>
<td>DDR4-2666</td>
<td>Intel UHD Graphics 630</td>
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<tr>
<td>Core i3-10100T</td>
<td>4</td>
<td>8</td>
<td>3.0GHz</td>
<td>3.8GHz</td>
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<td>Core i3-10300</td>
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<tr>
<td>Core i3-10300T</td>
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<tr>
<td>Core i3-10320</td>
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<tr>
<td>Core i5-10400</td>
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<td>2.9GHz</td>
<td>4.3GHz</td>
<td>12MB</td>
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<td>Intel UHD Graphics 630</td>
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<tr>
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<tr>
<td>Core i5-10500T</td>
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<td>3.8GHz</td>
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<td>Intel UHD Graphics 630</td>
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<tr>
<td>Core i5-10600</td>
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<td>12MB</td>
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<td>Intel UHD Graphics 630</td>
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<tr>
<td>Core i5-10600T</td>
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<td>DDR4-2666</td>
<td>Intel UHD Graphics 630</td>
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<td>Core i7-10700</td>
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<td>16MB</td>
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<tr>
<td>Core i7-10700T</td>
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<td>DDR4-2933</td>
<td>Intel UHD Graphics 630</td>
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<tr>
<td>Core i9-10900</td>
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<td>20</td>
<td>2.8GHz</td>
<td>5.2GHz</td>
<td>20MB</td>
<td>DDR4-2933</td>
<td>Intel UHD Graphics 630</td>
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<tr>
<td>Core i9-10900T</td>
<td>10</td>
<td>20</td>
<td>1.9GHz</td>
<td>4.6GHz</td>
<td>20MB</td>
<td>DDR4-2933</td>
<td>Intel UHD Graphics 630</td>
</tr>
</tbody>
</table>

Processor Sockets
1x FCLGA1200

Operating System
- Windows® 10 Home 64
- Windows 10 Pro 64
- Ubuntu Linux LTS
- No operating system

Graphics

**Integrated Graphics**
Intel UHD Graphics 630

**Discrete Graphics Support**
Supports one optional discrete graphics card

<table>
<thead>
<tr>
<th>Graphics</th>
<th>Memory</th>
<th>Power</th>
<th>Connector</th>
<th>SLI / NVlink</th>
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</thead>
<tbody>
<tr>
<td>Quadro® P620</td>
<td>2GB GDDR5</td>
<td>40W</td>
<td>4x miniDP</td>
<td>None</td>
</tr>
<tr>
<td>Quadro P1000</td>
<td>4GB GDDR5</td>
<td>50W</td>
<td>4x miniDP</td>
<td>None</td>
</tr>
</tbody>
</table>

Monitor Support
Supports multiple displays via onboard video ports and discrete graphics

Chipset
Intel Q470 chipset

Memory

**Memory Type**
DDR4-2933 non-ECC
Memory Slots
Two DDR4 SO-DIMM slots

Max Memory
Up to 64GB

Notes:
- The max memory is based on the test results with current Lenovo® memory offerings. The system may support more memory as the technology develops.

Storage

Storage Support
Up to 2x M.2 SSD
- M.2 SSD up to 2TB each

Storage Type

<table>
<thead>
<tr>
<th>Disk Type</th>
<th>Interface</th>
<th>RPM</th>
<th>Offering</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.2 PCIe SSD</td>
<td>PCIe NVMe</td>
<td>-</td>
<td>256GB/512GB/1TB/2TB</td>
</tr>
</tbody>
</table>

Removable Storage

Optical Support
Optional one 9.0mm optical drive via optical drive kit, DVD-ROM or DVD±RW

Multi-Media

Audio Chip
High Definition (HD) Audio, Realtek® ALC233 codec

Power Supply

<table>
<thead>
<tr>
<th>Power</th>
<th>Type</th>
<th>Efficiency</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>170W</td>
<td>Adapter</td>
<td>89%</td>
<td>100V - 240V</td>
</tr>
<tr>
<td>230W</td>
<td>Adapter</td>
<td>89%</td>
<td>100V - 240V</td>
</tr>
</tbody>
</table>

DESIGN

Mechanical

Form Factor
Tiny (1L)

Dimensions (WxDxH)
37 x 183 x 179 mm (1.5 x 7.2 x 7.0 inches)

Weight
1.4 kg (3 lbs, maximum configuration)

Bays
Not Support

M.2 Slots
Up to 2x M.2 SSD via onboard slots

Expansion Slots
One PCIe 3.0 x16 or x4 slot, low-profile, via riser card

Expansion Slots Offering
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 ethernet adapter and Thunderbolt™ adapter

CONNECTIVITY

ThinkStation P340 Tiny - December 21 2020
Network

Onboard Ethernet
Gigabit Ethernet, Intel Ethernet Connection I219-LM, 1x RJ45, supports Wake-on-LAN

Optional Ethernet
Additional Ethernet options via PCIe adapter

WLAN + Bluetooth™
- Realtek RTL8822CE, 802.11ac Dual Band 2x2 Wi-Fi + Bluetooth 5.0, M.2 card
- Intel Wireless-AC 9560, 802.11ac Dual Band 2x2 Wi-Fi + Bluetooth 5.1, M.2 card
- Intel Wi-Fi 6 AX201, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 Card
- Not configured

Ports

Front Ports
- 1x USB 3.2 Gen 2 (Always On and fast charge)
- 1x USB-C 3.2 Gen 1
- 1x headphone / microphone combo jack (3.5mm)

Notes:
- The transfer speed of following ports will vary and, depending on many factors, such as the processing speed of the host device, file attributes and other factors related to system configuration and your operating environment, will be slower than theoretical speed.
  - USB 2.0: 480 Mbit/s;
  - USB 3.2 Gen 1 (SuperSpeed USB 5Gbps, formerly USB 3.0 / USB 3.1 Gen 1): 5 Gbit/s;
  - USB 3.2 Gen 2 (SuperSpeed USB 10Gbps, formerly USB 3.1 Gen 2): 10 Gbit/s;
  - USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;
  - Thunderbolt 3: 40 Gbit/s;
  - FireWire 400: 400 Mbit/s;
  - FireWire 800: 800 Mbit/s;

Rear Ports
- 2x USB 3.2 Gen 1 (one supports Smart Power On)
- 2x USB 3.2 Gen 2
- 1x Ethernet (RJ-45)
- 1x HDMI®
- 1x DisplayPort™

Notes:
- For video ports on discrete graphics, please see graphics section

Optional Rear Ports
- 2x USB-A 3.2 Gen 1
- 1x Thunderbolt
- Optional Port 1 (VGA / 2nd DP / 2nd HDMI / serial / USB-C 3.2 Gen 1 with DP function, select one)
- Optional Port 2 (serial)

SECURITY & PRIVACY

Security

Security Chip
Discrete TPM 2.0, TCG certified

Physical Locks
Kensington® Security Slot

BIOS Security
- Power-on password
- Administrator password

MANAGEABILITY
**System Management**

- Intel vPro with Intel AMT 14 (vPro-enable processor and WiFi needed)
- Standard Manageability

**SERVICE**

**Warranty**

**Base Warranty**

3-year limited onsite service (with 9x5 NBD, for most models)

**ENVIRONMENTAL**

**Environmental Specifications**

**Temperature**

Operating: 0°C to 40°C (32°F to 104°F)

Storage: -40°C to 60°C (-40°F to 140°F) in original shipping carton

Storage: -10°C to 60°C (14°F to 140°F) without carton

**Altitude**

Operating: 0m to 3048m (0ft to 10000ft)

Storage: 0m to 12192m (0ft to 40000ft)

**Humidity**

Relative Humidity Operating: 10% to 90% (non-condensing)

Relative Humidity Storage/Transit: 10% to 90% (non-condensing)

Wet Bulb Temperature Operating: 25°C (77°F) max

Wet Bulb Temperature Non-operating: 40°C (104°F) max

**CERTIFICATIONS**

**Green Certifications**

- EPEAT™ Silver
- ENERGY STAR® 8.0
- GREENGUARD®
- RoHS

**Other Certifications**

MIL-Spec Test

MIL-STD-810G military test passed

**ISV Certifications**

Please visit www.thinkworkstations.com/isv-certifications/