ThinkPad P14s Gen 1 (Intel) Platform Specifications

**Processor**
Supports one 10th Core i7 and i5 -U suffix processor as following:

<table>
<thead>
<tr>
<th>Processor Number</th>
<th># of Cores</th>
<th># of Threads</th>
<th>Base Frequency</th>
<th>Max Turbo Frequency</th>
<th>Cache</th>
<th>Memory Types</th>
<th>Processor Graphics</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-10610U</td>
<td>4</td>
<td>8</td>
<td>1.6GHz</td>
<td>4.9GHz</td>
<td>8MB</td>
<td>DDR4-2666</td>
<td>Intel UHD Graphics</td>
</tr>
<tr>
<td>7-10510U</td>
<td>4</td>
<td>8</td>
<td>1.6GHz</td>
<td>4.9GHz</td>
<td>8MB</td>
<td>DDR4-2666</td>
<td>Intel UHD Graphics</td>
</tr>
<tr>
<td>5-10310U</td>
<td>4</td>
<td>8</td>
<td>1.7GHz</td>
<td>4.4GHz</td>
<td>8MB</td>
<td>DDR4-2666</td>
<td>Intel UHD Graphics</td>
</tr>
<tr>
<td>5-10210U</td>
<td>4</td>
<td>8</td>
<td>1.6GHz</td>
<td>4.2GHz</td>
<td>6MB</td>
<td>DDR4-2666</td>
<td>Intel UHD Graphics</td>
</tr>
</tbody>
</table>

**Chipset**
Intel SoC (System on Chip) platform

**Memory Type**
DDR4-3200, operates at DDR4-2666. 8GB/16GB/32GB DDR4-3200 SO-DIMM non-ECC for soldered DIMM, 8GB/16GB DDR4-3200 non-ECC for soldered DIMM

**Memory Sockets**
1 DIMM socket plus 1 soldered DIMM, dual-channel capable

**Memory Protection**
None

**Max Memory**
64GB with one 32GB SO-DIMM plus one 16GB soldered DIMM

**Graphics**
Intel UHD Graphics in processor and NVIDIA Quadro P520, 2GB GDDR5 memory

**Display**
Size: 14.0" FHD (1920x1080)

<table>
<thead>
<tr>
<th>Size</th>
<th>Resolution</th>
<th>Type</th>
<th>Surface</th>
<th>Touch</th>
<th>Brightness</th>
<th>Aspect Ratio</th>
<th>Contrast Ratio</th>
<th>Color Gamut</th>
<th>Viewing Angle</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.0&quot;</td>
<td>FHD (1920x1080)</td>
<td>WVA</td>
<td>Anti-glare</td>
<td>-</td>
<td>250 nits</td>
<td>16:9</td>
<td>700:1</td>
<td>45%</td>
<td>170°</td>
</tr>
<tr>
<td>14.0&quot;</td>
<td>FHD (1920x1080)</td>
<td>WVA</td>
<td>Anti-glare</td>
<td>-</td>
<td>400 nits</td>
<td>16:9</td>
<td>800:1</td>
<td>72%</td>
<td>170°</td>
</tr>
<tr>
<td>14.0&quot;</td>
<td>FHD (1920x1080)</td>
<td>WVA</td>
<td>Anti-glare</td>
<td>-</td>
<td>500 nits</td>
<td>16:9</td>
<td>1000:1</td>
<td>72%</td>
<td>170°</td>
</tr>
<tr>
<td>14.0&quot;</td>
<td>UHD (3840x2160)</td>
<td>WVA</td>
<td>Glossy</td>
<td>-</td>
<td>500 nits</td>
<td>16:9</td>
<td>1500:1</td>
<td>100%</td>
<td>170°</td>
</tr>
</tbody>
</table>

**Color Calibration**
Factory Color Calibration on UHD panels

**Touchscreen**
Optional on-cell touch on selected FHD models, supports 10-finger gesture

**Pen**
None

**Storage**
Up to one M.2 SSD as following, 2TB max:
- M.2 2280 PCIe NVMe, PCIe 3.0 x4, 256GB / 512GB / 1TB / 2TB
- M.2 2242 PCIe NVMe, PCIe 3.0 x2, 128GB, for special bids
- M.2 2280 512GB SSD + 32 GB Optane, PCIe NVMe 3.0 x 4, for special bids

**Optical**
None

**Ethernet**
One onboard GbE port via integrated gigabit ethernet, Intel i219LM for vPro models or i219V for non-vPro models

**NFC**
Optional

**WLAN + Bluetooth**
Optional Intel Wi-Fi 6 AX201 on most models, Wi-Fi 2x2 802.11ax + Bluetooth 5.1. Bluetooth 5.1 requires the latest version of Windows 10 (version 2004 or above)

**WWAN**
One of the following, configurable by model:
- No WWAN Card and non upgradable
- Integrated Mobile Broadband Upgradable, No WWAN Card, WWAN Antenna Only
- Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card
- Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIM0 4x4, M.2 card

**SIM card**
Optional Nano-SIM card slot

**Dimensions**
Width: 329 mm (12.95 in). Depth: 227 mm (8.94 in). Thickness: 17.9 mm (0.7 inches).

**Battery**
Integrated Li-Polymer 50Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

**Max battery life**
MobileMark 2014: 15.1 hr.
MobileMark 2017: 10.96 hr.
* Battery life varies significantly with hardware configurations, settings, usage, & other factors

**Power Adapter**
65W or 65W slim USB-C AC adapter

**Operating system**
Supports one optional preloaded operating system as following:
- Windows 10 Home 64
- Windows 10 Pro 64
- Windows 10 Government Edition 64 for special bids
- Ubuntu Linux LTS

**Base Warranty**
1-year depot repair service
1-year limited onsite service
3-year limited onsite service
1-year + 2-year limited onsite service
1-year depot with 2-year system board repair service

**Environment**
EPEAT Gold. ENERGY STAR 8.0. RoHS-compliant

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

Lenovo, May 2020