

ThinkPad T15 Gen 1 Platform Specifications

Product Specifications Reference (PSREF)

<p>Processor</p>	<p>10th Generation Intel® Core™ i5 / i7 Processor</p> <table border="1"> <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>i5-10210U</td> <td rowspan="4">4</td> <td rowspan="4">8</td> <td>1.6 GHz</td> <td>4.2 GHz</td> <td>6MB</td> <td rowspan="4">DDR4-2666</td> <td rowspan="4">Intel UHD Graphics</td> </tr> <tr> <td>i5-10310U</td> <td>1.7 GHz</td> <td>4.4 GHz</td> <td>6MB</td> </tr> <tr> <td>i7-10510U</td> <td>1.8 GHz</td> <td>4.9 GHz</td> <td>8MB</td> </tr> <tr> <td>i7-10610U</td> <td>1.8 GHz</td> <td>4.9 GHz</td> <td>8MB</td> </tr> </tbody> </table>	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	i5-10210U	4	8	1.6 GHz	4.2 GHz	6MB	DDR4-2666	Intel UHD Graphics	i5-10310U	1.7 GHz	4.4 GHz	6MB	i7-10510U	1.8 GHz	4.9 GHz	8MB	i7-10610U	1.8 GHz	4.9 GHz	8MB	<p>Dimensions WxDxH: 14.40" x 9.76" x 0.75"; 365.8mm x 248mm x 19.1mm Weight <i>FHD model:</i> 3.99 lb / 1.81 kg; <i>UHD model:</i> 3.84 lb / 1.74 kg Case color Black Case material <i>Display cover:</i> PPS / 50% GF <i>Keyboard cover:</i> PC / ABS / Talc15 + Magnesium alloy <i>Bottom:</i> PA / 50% GF with optional ISO 22196 compliant anti-microbial surface treatment (not including keyboard, display, and display bezel)</p>												
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i5-10210U	4	8	1.6 GHz	4.2 GHz	6MB	DDR4-2666	Intel UHD Graphics																																			
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<p>Graphics</p>	<p>Intel UHD Graphics in processor only or Intel UHD Graphics in processor and NVIDIA® GeForce® MX330, 2GB GDDR5 memory; supports up to 3 independent displays via native display and two external monitors; supports external monitors via HDMI (up to 4096x2160@24Hz), USB-C (up to 4096x2304@60Hz) or Thunderbolt (up to 4096x2304@60Hz)</p>	<p>Smart card reader <i>Optional:</i> Smart card reader Media reader MicroSD card reader Ports Two USB 3.2 Gen 1 (one Always On), one USB 3.2 Type-C Gen 1 (with the function of Power Delivery and DisplayPort), one USB 3.2 Type-C Gen 2 / Thunderbolt 3 (with the function of PD and DP), HDMI 1.4b, Ethernet (RJ-45), nano-SIM card slot (WWAN models), headphone / microphone combo jack, optional smart card reader, microSD card reader, side docking connector, security keyhole <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i> • Lenovo HDMI to VGA Monitor Adapter • Lenovo USB-C to VGA Adapter • Lenovo USB-C to DisplayPort Adapter Monitor cable (optional) • Lenovo HDMI to VGA Monitor Adapter • Lenovo USB-C to VGA Adapter • Lenovo USB-C to DisplayPort Adapter Bundled Accy None</p>																																								
<p>Chipset Memory</p>	<p>Intel SoC (System on Chip) platform 40GB or 48GB max / 2666MHz DDR4, dual-channel capable, 8GB or 16GB memory soldered to systemboard, one DDR4 SO-DIMM socket <i>* Installed memory is actually 3200MHz but run at 2666MHz due to Intel limitation</i></p>	<p>Camera <i>(optional)</i> • HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus HD Audio, Realtek® ALC3287 codec / Dolby® Audio speaker system, 2W x 2 / optional dual array far-field microphone, headphone / microphone combo jack</p>																																								
<p>Display</p>	<table border="1"> <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>15.6"</td> <td>FHD (1920x1080)</td> <td>IPS</td> <td>Anti-glare</td> <td>-</td> <td>250 nits</td> <td>16:9</td> <td>800:1</td> <td>45%</td> <td>170°</td> </tr> <tr> <td>15.6"</td> <td>FHD (1920x1080)</td> <td>IPS</td> <td>Anti-glare</td> <td>Multi-touch</td> <td>300 nits</td> <td>16:9</td> <td>800:1</td> <td>45%</td> <td>170°</td> </tr> <tr> <td>15.6"</td> <td>UHD (3840x2160) HDR400, Dolby Vision™</td> <td>IPS</td> <td>Anti-glare</td> <td>-</td> <td>500 nits</td> <td>16:9</td> <td>1400:1</td> <td>100%</td> <td>170°</td> </tr> </tbody> </table>	Size	Resolution	Type	Surface	Touch	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	15.6"	FHD (1920x1080)	IPS	Anti-glare	-	250 nits	16:9	800:1	45%	170°	15.6"	FHD (1920x1080)	IPS	Anti-glare	Multi-touch	300 nits	16:9	800:1	45%	170°	15.6"	UHD (3840x2160) HDR400, Dolby Vision™	IPS	Anti-glare	-	500 nits	16:9	1400:1	100%	170°	<p>Audio support Keyboard 6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, numeric keypad, optional LED backlight UltraNav™ TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad</p>
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<p>Multi-touch <i>(opt)</i></p>	<p>On-cell touch, supports 10-finger gesture</p>	<p>Security Security chip Power-on password, hard disk password, supervisor password, security keyhole • Firmware TPM 2.0 integrated in chipset • Discrete TPM 2.0 TCG Certified</p>																																								
<p>Storage</p>	<ul style="list-style-type: none"> • M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4 • M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2 • Intel Optane™ Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe 3.0 x 4 	<p>System Mgt <i>(opt)</i> Intel vPro Technology Fingerprint reader <i>Optional:</i> Touch style match on chip fingerprint reader on the palm rest NFC <i>(optional)</i> Near Field Communication</p>																																								
<p>Optical</p>	<p>None</p>	<p>Battery Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter</p>																																								
<p>Ethernet</p>	<p><i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville) <i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)</p>	<p>Max battery life <i>MobileMark® 2014:</i> 15.26 hr <i>MobileMark 2018:</i> 10.81 hr <i>* Battery life varies significantly with hardware configurations, settings, usage, & other factors</i></p>																																								
<p>WLAN + Bluetooth™</p>	<p>Intel Wi-Fi 6 AX201, Wi-Fi 2x2 802.11ax + Bluetooth 5.1 <i>* Intel Wi-Fi 6 full features might be limited by country level restrictions</i> <i>* BT5.1 is supported on Windows 10 version 2004 or above (limited to BT5.0 on earlier version)</i></p>	<p>AC adapter • 45W USB-C AC adapter • 65W USB-C AC adapter • 65W USB-C slim AC adapter</p>																																								
<p>WWAN <i>(optional)</i></p>	<ul style="list-style-type: none"> • Wireless WAN upgradable • Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card • Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 2x2, M.2 card 	<p>Operating system <i>Optional:</i> Windows® 10 Home 64 or Windows 10 Pro 64</p>																																								
<p>SIM card <i>(opt)</i></p>	<p>Gemalto eSIM</p>	<p>Limited warranty • 1-year depot repair service • 1-year depot with 2-year system board repair service • 1-year limited onsite service • 1-year + 2-year depot repair service • 1-year + 2-year limited onsite service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service</p> <p>Mil-Spec test MIL-STD-810G military testing</p> <p>Environment EPEAT™ Gold; ENERGY STAR® 8.0; TCO Certified; RoHS-compliant</p>																																								

Note: The specifications above may not be available in all regions and might change by regions.

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