

ThinkPad L15 Gen 1 (AMD) Platform Specifications

Product Specifications Reference (PSREF)

Processor	AMD Ryzen™ Mobile Processors with Radeon™ Graphics or AMD Ryzen PRO 4000 Series Mobile Processors	Dimensions Weight Case color Case material	<i>WxDxH:</i> 14.43" x 9.84" x 0.83"; 366.5mm x 250mm x 21mm Starting at 4.37 lb / 1.98 kg Black PC/ABS plastic																																								
	<table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Base Clock</th> <th>Max Boost Clock</th> <th>Cache</th> <th>Memory Controller</th> <th>Processor Graphics</th> </tr> </thead> <tbody> <tr> <td>Ryzen 3 4300U</td> <td>4</td> <td>4</td> <td>2.7 GHz</td> <td>3.7 GHz</td> <td>2MB L2 / 4MB L3</td> <td rowspan="5">DDR4-3200</td> <td rowspan="5">AMD Radeon™ Graphics</td> </tr> <tr> <td>Ryzen 3 PRO 4450U</td> <td>4</td> <td>8</td> <td>2.5 GHz</td> <td>3.7 GHz</td> <td>2MB L2 / 4MB L3</td> </tr> <tr> <td>Ryzen 5 4500U</td> <td>6</td> <td>6</td> <td>2.3 GHz</td> <td>4.0 GHz</td> <td>3MB L2 / 8MB L3</td> </tr> <tr> <td>Ryzen 5 PRO 4650U</td> <td>6</td> <td>12</td> <td>2.1 GHz</td> <td>4.0 GHz</td> <td>3MB L2 / 8MB L3</td> </tr> <tr> <td>Ryzen 7 PRO 4750U</td> <td>8</td> <td>16</td> <td>1.7 GHz</td> <td>4.1 GHz</td> <td>4MB L2 / 8MB L3</td> </tr> </tbody> </table>	Processor Number	# of Cores	# of Threads	Base Clock	Max Boost Clock	Cache	Memory Controller	Processor Graphics	Ryzen 3 4300U	4	4	2.7 GHz	3.7 GHz	2MB L2 / 4MB L3	DDR4-3200	AMD Radeon™ Graphics	Ryzen 3 PRO 4450U	4	8	2.5 GHz	3.7 GHz	2MB L2 / 4MB L3	Ryzen 5 4500U	6	6	2.3 GHz	4.0 GHz	3MB L2 / 8MB L3	Ryzen 5 PRO 4650U	6	12	2.1 GHz	4.0 GHz	3MB L2 / 8MB L3	Ryzen 7 PRO 4750U	8	16	1.7 GHz	4.1 GHz	4MB L2 / 8MB L3	Smart card reader Media reader Ports Monitor cable (optional) Bundled Accy	<i>Optional:</i> Smart card reader MicroSD card reader Two USB 3.2 Gen 1 (one Always On), one USB 3.2 Type-C Gen 1 (w/ the function of Power Delivery and DP 1.4), one USB 3.2 Type-C Gen 2 (w/ the function of Power Delivery and DP 1.4), 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 None
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Graphics	AMD Radeon Graphics in processor; supports up to 4 independent displays via native display and 3 external monitors; supports external monitors via HDMI (up to 4096x2160@24Hz) or USB Type-C (up to 3840x2160@60Hz)	Camera (optional)	• HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus																																								
Chipset	AMD SoC (System on Chip) platform	Audio support	HD Audio, Realtek® ALC3287 codec / stereo speakers, 2W x 2, Dolby® Audio / dual array far-field microphone (optional for special bid model), headphone / microphone combo jack																																								
Memory	64GB max / 3200MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets	Keyboard	6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, numeric keypad, optional LED backlight																																								
Display	<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>HD (1366x768)</td> <td>TN</td> <td>Anti-glare</td> <td>-</td> <td>220 nits</td> <td>16:9</td> <td>400:1</td> <td>45%</td> <td>90°</td> </tr> <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>700:1</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>700:1</td> <td>45%</td> <td>170°</td> </tr> </tbody> </table>	Size	Resolution	Type	Surface	Touch	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	15.6"	HD (1366x768)	TN	Anti-glare	-	220 nits	16:9	400:1	45%	90°	15.6"	FHD (1920x1080)	IPS	Anti-glare	-	250 nits	16:9	700:1	45%	170°	15.6"	FHD (1920x1080)	IPS	Anti-glare	Multi-touch	300 nits	16:9	700:1	45%	170°	UltraNav™ Security Security chip System Mgt (opt) Fingerprint reader NFC	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad Power-on password, hard disk password, supervisor password, security keyhole Firmware TPM 2.0 integrated in chipset or discrete TPM 2.0 TCG Certified DASH Management <i>Optional:</i> Touch style match on host fingerprint reader on the palm rest None
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Multi-touch (opt)	On-cell touch, supports 10-finger gesture	Battery	Integrated Li-Polymer 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter																																								
Storage	<ul style="list-style-type: none"> M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 4 M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4 	Max battery life	<i>MobileMark® 2014:</i> 13.78 hr <i>MobileMark 2018:</i> 10.43 hr <i>* Battery life varies significantly with hardware configurations, settings, usage, & other factors</i>																																								
Optical	None	AC adapter	<ul style="list-style-type: none"> 45W USB-C AC adapter 65W USB-C AC adapter 																																								
Ethernet	Realtek® RTL8111HN (Non-DASH) or RTL8111EPV (DASH) Gigabit Ethernet connection	Operating system	<i>Optional:</i> Windows® 10 Home 64 or Windows 10 Pro 64																																								
WLAN + BT (opt)	Intel Wi-Fi 6 AX200, Wi-Fi 2x2 802.11ax + Bluetooth™ 5.1	Limited warranty (optional)	<ul style="list-style-type: none"> 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 onsite repair service 3-year/1-yr battery depot repair service 3-year/1-yr battery limited onsite service 																																								
WWAN (optional)	<ul style="list-style-type: none"> Wireless WAN upgradable Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card <i>* For non-WWAN model, it means the model is NOT WWAN upgradable</i>	Mil-Spec test	Work in progress																																								
SIM card (opt)	Gemalto eSIM Card	Environment	EPPEATM Silver; ENERGY STAR® 8.0; TCO Certified; RoHS-compliant																																								

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

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June 2020