# ThinkPad L15 Gen 1 (AMD) Platform Specifications

| Processor | AMD Ryzen™ Mobile Processors with Radeon™ Graphics or AMD Ryzen PRO 4000 Series Mobile Processors |
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| 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 | | |
| 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 | DDR4-3200 | AMD Radeon™ Graphics |
| 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 | | |

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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) |
| **Chipset** | AMD SoC (System on Chip) platform |
| **Memory** | 64GB max / 3200MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets |

**Display**

| Size | Resolution | Type | Surface | Touch | Bright-ness | 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) | WVA | Anti-glare | - | 250 nits | 16:9 | 700:1 | 45% | 170° |
| 15.6" | FHD (1920x1080) | WVA | Anti-glare | Multi-touch | 300 nits | 16:9 | 700:1 | 45% | 170° |

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| **Multi-touch** *(opt)* | On-cell touch, supports 10-finger gesture |
| **Storage** | • M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 4 <br> • M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4 |
| **Optical** | None |
| **Ethernet** | Realtek® RTL8111HN *(Non-DASH)* or RTL8111EPV *(DASH)* Gigabit Ethernet connection |
| **WLAN + BT** *(opt)* | Intel Wi-Fi 6 AX200, Wi-Fi 2x2 802.11ax + Bluetooth™ 5.1 |
| **WWAN** *(optional)* | • Wireless WAN upgradable <br> • Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card <br> *  * For non-WWAN model, it means the model is NOT WWAN upgradable* |
| **SIM card** *(opt)* | Gemalto eSIM |

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| **Dimensions** | *WxDxH:*   14.43" x 9.84" x 0.83";   366.5mm x 250mm x 21mm |
| **Weight** | Starting at 4.37 lb / 1.98 kg |
| **Case color** | Black |
| **Case material** | PC/ABS plastic |
| **Smart card reader** | *Optional:* 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 (w/ the function of Power Delivery and DP 1.2), one USB 3.2 Type-C Gen 2 (w/ the function of Power Delivery and DP 1.2), 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 <br> *  * Depending on many factors, actual data transfer speed may be lower than theoretical speed* |
| **Monitor cable** *(optional)* | • Lenovo HDMI to VGA Monitor Adapter <br> • Lenovo USB-C to VGA Adapter <br> • Lenovo USB-C to DisplayPort Adapter |
| **Bundled Accy** | None |
| **Camera** *(optional)* | • HD720p camera with ThinkShutter camera privacy, fixed focus <br> • IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus |
| **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 |
| **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 |
| **Security** | Power-on password, hard disk password, supervisor password, security keyhole |
| **Security chip** | Firmware TPM 2.0 integrated in chipset or discrete TPM 2.0 TCG Certified |
| **System Mgt** *(opt)* | DASH Management |
| **Fingerprint reader** | *Optional:* Touch style match on host fingerprint reader on the palm rest |
| **NFC** | None |
| **Battery** | Integrated Li-Polymer 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter |
| **Max battery life** | *MobileMark® 2014:*  13.78 hr <br> *MobileMark 2018:*   10.43 hr <br> *  * Battery life varies significantly with hardware configurations, settings, usage, & other factors* |
| **AC adapter** | • 45W USB-C AC adapter <br> • 65W USB-C AC adapter |
| **Operating system** | *Optional:* Windows® 10 Home 64 or Windows 10 Pro 64 |
| **Limited warranty** *(optional)* | • 1-year depot repair service <br> • 1-year depot with 2-year system board repair service <br> • 1-year limited onsite service <br> • 1-year + 2-year depot repair service <br> • 1-year + 2-year onsite repair service <br> • 3-year/1-yr battery depot repair service <br> • 3-year/1-yr battery limited onsite service |
| **Mil-Spec test** | MIL-STD-810G military testing |
| **Environment** | EPEAT™ Gold; ENERGY STAR® 8.0; TCO Certified; RoHS-compliant |

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