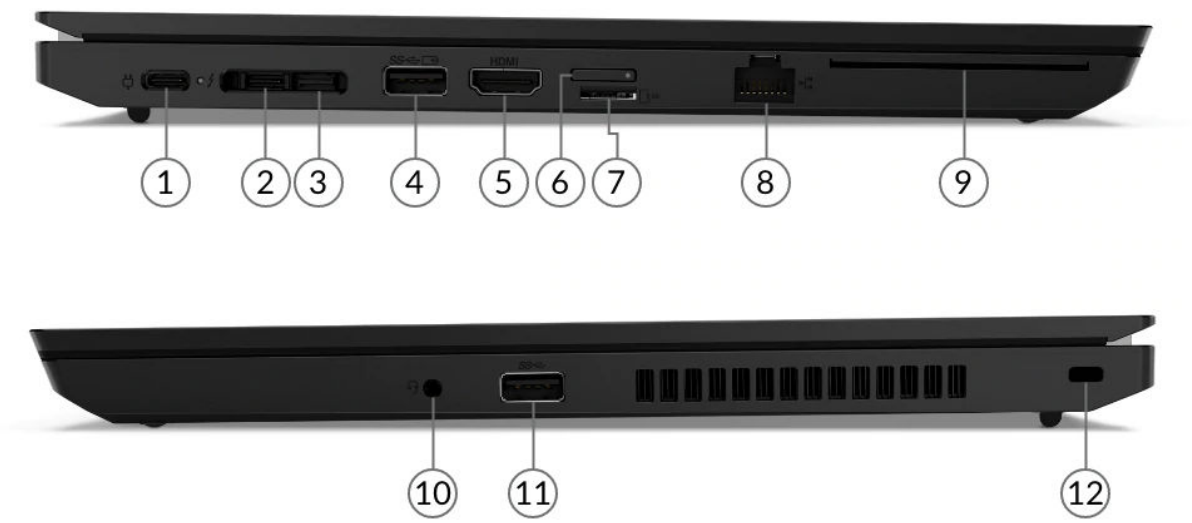


OVERVIEW



|                              |                                               |
|------------------------------|-----------------------------------------------|
| 1. USB-C 3.2 Gen 1           | 7. microSD card reader                        |
| 2. Thunderbolt 4             | 8. Ethernet (RJ-45) *                         |
| 3. Side docking connector *  | 9. Smart card reader *                        |
| 4. USB 3.2 Gen 1 (Always On) | 10. Headphone / microphone combo jack (3.5mm) |
| 5. HDMI 2.0                  | 11. USB 3.2 Gen 1                             |
| 6. Nano-SIM card slot *      | 12. Kensington Security Slot                  |

- Notes:
- Items with \* are only available on selected models
  - The combination of 2 and 3 is side docking connector

PERFORMANCE

Processor

Processor Family

Intel® Celeron® or 11th Generation Intel Core™ i3 / i5 / i7 Processor

Processor\*\*

| Processor Name              | Cores | Threads | Base Frequency | Max Frequency | Cache | Processor Graphics                     |
|-----------------------------|-------|---------|----------------|---------------|-------|----------------------------------------|
| Celeron 6305 <sup>[1]</sup> | 2     | 2       | 1.8GHz         | -             | 4MB   | Intel UHD Graphics                     |
| Core i3-1115G4              | 2     | 4       | 3.0GHz         | 4.1GHz        | 6MB   | Intel UHD Graphics                     |
| Core i5-1135G7              | 4     | 8       | 2.4GHz         | 4.2GHz        | 8MB   | Intel Iris® Xe Graphics <sup>[2]</sup> |
| Core i5-1145G7              | 4     | 8       | 2.6GHz         | 4.4GHz        | 8MB   | Intel Iris Xe Graphics <sup>[3]</sup>  |
| Core i7-1165G7              | 4     | 8       | 2.8GHz         | 4.7GHz        | 12MB  | Intel Iris Xe Graphics <sup>[4]</sup>  |
| Core i7-1185G7              | 4     | 8       | 3.0GHz         | 4.8GHz        | 12MB  | Intel Iris Xe Graphics <sup>[5]</sup>  |

Notes:

- [1] Intel Celeron processor is NOT available in EMEA.
- [2], [3], [4], [5] Intel Iris Xe Graphics capability requires system to be configured with dual-channel memory. On the system with single-channel memory, Intel Iris Xe Graphics will function as Intel UHD Graphics.

Operating System

Operating System\*\*

- Linux<sup>[1]</sup>
- Ubuntu Linux<sup>[2]</sup>
- Windows® 10 Home 64
- Windows 10 Home 64 Single Language
- Windows 10 IoT Enterprise LTSC<sup>[3]</sup>
- Windows 10 Pro 64
- Windows 11 DG Windows 10 Pro 64
- Windows 11 Home
- Windows 11 Home Single Language
- Windows 11 Pro
- No operating system

Notes:

- [1], [2] Some features may not be supported on the system with Linux preload, including but not limited to Intel RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.
- [3] Windows 10 IoT Enterprise LTSC is for special bid only.

Graphics

Graphics\*\*

| Graphics                              | Type       | Memory    | Key Features  |
|---------------------------------------|------------|-----------|---------------|
| Intel UHD Graphics                    | Integrated | Shared    | DirectX® 12.1 |
| Intel Iris Xe Graphics <sup>[1]</sup> | Integrated | Shared    | DirectX 12.1  |
| NVIDIA® GeForce MX450 <sup>[2]</sup>  | Discrete   | 2GB GDDR6 | DirectX 12    |

Notes:

- [1] Intel Iris Xe Graphics capability requires system to be configured with dual-channel memory. On the system with single-channel memory, Intel Iris Xe Graphics will function as Intel UHD graphics.
- [2] NVIDIA GeForce MX450 is NOT available in EMEA.

Monitor Support

Monitor Support

Supports up to 3 independent displays (native display and 2 external monitors via HDMI®, USB-C® and Thunderbolt™)

- HDMI supports up to 4096x2160@60Hz

- USB-C supports up to 5120x3200@60Hz
- Thunderbolt supports up to 5120x3200@60Hz

## Chipset

### Chipset

Intel SoC (System on Chip) platform

## Memory

### Max Memory<sup>[1]</sup>

Up to 64GB DDR4-3200

### Memory Slots

Two DDR4 SO-DIMM slots, dual-channel capable

### Memory Type

DDR4-3200

Notes:

[1] The max memory is based on the test results with current Lenovo® memory offerings.

## Storage

### Storage Support<sup>[1]</sup>

- One SSD mode: one drive, 1x M.2 SSD
  - M.2 2280 SSD up to 1TB
  - M.2 2242 SSD up to 512GB
- HDD/SSD mode: up to two drives, 1x 2.5" HDD + 1x M.2 SSD
  - 2.5" HDD up to 2TB
  - M.2 2242 SSD up to 512GB<sup>[2]</sup>

### Storage Slot<sup>[3]</sup>

- One SSD mode: one M.2 slot
  - One M.2 2280 PCIe® 3.0 x4 slot
- HDD/SSD mode: one 2.5" drive slot + one M.2 slot
  - One 2.5" SATA HDD slot
  - One M.2 2242 PCIe 3.0 x4 slot

### Storage Type

| Disk Type     | Interface               | RPM  | Security                        |
|---------------|-------------------------|------|---------------------------------|
| 2.5" SATA HDD | SATA 6Gb/s              | 5.4K | APS (Active Protection System™) |
| 2.5" SATA HDD | SATA 6Gb/s              | 7.2K | APS (Active Protection System)  |
| M.2 2242 SSD  | PCIe NVMe®, PCIe 3.0 x4 | -    | -                               |
| M.2 2280 SSD  | PCIe NVMe, PCIe 3.0 x4  | -    | -                               |
| M.2 2280 SSD  | PCIe NVMe, PCIe 3.0 x4  | -    | Opal 2.0                        |

Notes:

[1] The storage capacity supported is based on the test results with current Lenovo storage offerings.

[2] HDD/SSD mode is NOT available in EMEA.

[3] System has one HDD slot or one M.2 2280 slot exclusively for storage.

## Removable Storage

### Optical

None

### Card Reader

microSD card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby® Audio™ Premium

Microphone

- Dual-microphone array
- No microphone<sup>[1]</sup>

Camera\*\*

- HD 720p, with privacy shutter, fixed focus
- HD 720p + IR hybrid, with privacy shutter, fixed focus
- No camera<sup>[2]</sup>

Notes:

- <sup>[1]</sup> No microphone is for special bid only.
- <sup>[2]</sup> No camera is for special bid only.

Battery

Battery

Integrated Li-Polymer 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

Max Battery Life<sup>[1]</sup>

MobileMark® 2018: 7.53 hr  
JEITA 2.0: 11.255 hr

Notes:

- <sup>[1]</sup> All battery life claims are approximate maximum and based on results using the MobileMark 2014, MobileMark 2018, MobileMark 25, JEITA 2.0, continuous 1080p video playback (with 150nits brightness and default volume level) or Google Power Load Test (PLT) battery-life benchmark tests. Actual battery life will vary depending on many factors such as product configuration and usage, software use, wireless functionality, power management settings, and screen brightness. The maximum capacity of the battery will decrease with time and use.

Power Adapter

Power Adapter\*\*<sup>[1]</sup>

- 45W USB-C (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz<sup>[2]</sup>
- 45W USB-C (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz<sup>[3]</sup>
- 65W USB-C (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C slim (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz<sup>[4]</sup>
- 65W USB-C slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz<sup>[5]</sup>
- No power adapter<sup>[6]</sup>

Notes:

- <sup>[1]</sup> AC adapter offerings depend on the country.
- <sup>[2]</sup>, <sup>[3]</sup> 45W USB-C AC adapter is NOT available in EMEA.
- <sup>[4]</sup>, <sup>[5]</sup> 65W USB-C slim AC adapter is NOT available in EMEA.
- <sup>[6]</sup> No power adapter is for special bid only.

DESIGN

Display

Display\*\*

| Size  | Resolution      | Touch       | Type               | Brightness | Surface    | Aspect Ratio | Contrast Ratio | Color Gamut | Viewing Angle (L/R/U/D) |
|-------|-----------------|-------------|--------------------|------------|------------|--------------|----------------|-------------|-------------------------|
| 15.6" | HD (1366x768)   | None        | TN                 | 220nits    | Anti-glare | 16:9         | 400:1          | 45% NTSC    | 45°/45°/-/-             |
| 15.6" | FHD (1920x1080) | None        | IPS <sup>[1]</sup> | 250nits    | Anti-glare | 16:9         | 700:1          | 45% NTSC    | 85°/85°/-/-             |
| 15.6" | FHD (1920x1080) | Multi-touch | IPS <sup>[2]</sup> | 300nits    | Anti-glare | 16:9         | 700:1          | 45% NTSC    | 85°/85°/-/-             |

Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

---

**Notes:**

[1], [2] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

## Input Device

### Keyboard

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, numeric keypad

### Keyboard Backlight

- LED backlight
- Non-backlight

### UltraNav™

TrackPoint® pointing device and Mylar® surface multi-touch touchpad

## Mechanical

### Dimensions (WxDxH)<sup>[1]</sup>

366.5 x 250 x 21 mm (14.43 x 9.84 x 0.83 inches)

### Weight<sup>[2]</sup>

Starting at 1.98 kg (4.37 lbs)

### Case Color

Black

### Case Material

PC-ABS (top), PC-ABS (bottom)

---

**Notes:**

[1] The system dimensions may vary depending on configurations.

[2] The system weight is approximate and based on results in Lenovo lab, which varies depending on the source of component, variance of the distribution of each component, and manufacturing process. It may not be the exact weight for each specific model.

## CONNECTIVITY

## Network

### Ethernet\*\*

- Gigabit Ethernet, Intel Ethernet Connection I219-LM (vPro® models), 1x RJ-45, supports Wake-on-LAN
- Gigabit Ethernet, Intel Ethernet Connection I219-V (non-vPro models), 1x RJ-45, supports Wake-on-LAN
- No onboard Ethernet<sup>[1]</sup>

### WLAN + Bluetooth®\*\*

- Wi-Fi® 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 card<sup>[2]</sup>
- MediaTek Wi-Fi 6 MT7921, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 Card<sup>[3]</sup>
- Realtek Wi-Fi 6 RTL8852AE, 802.11ax Dual Band 2x2 Wi-Fi + Bluetooth 5.1, M.2 card<sup>[4]</sup>
- Intel Wi-Fi 6 AX200, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 card<sup>[5]</sup>
- Intel Wi-Fi 6E AX210, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 Card<sup>[6]</sup>
- No WLAN and Bluetooth

### WWAN\*\*

- Wireless WAN upgradable to 4G (with antenna ready)
- Quectel EM120R-GL, 4G LTE CAT12, M.2 card
- Quectel EM120R-GL, 4G LTE CAT12, M.2 card, with embedded eSIM functionality
- No support

### SIM Card

No physical SIM card inbox

### NFC

- Near Field Communication
- No support

---

Notes:

[1] Without Ethernet connector, it is recommended to use the Lenovo USB-C to Ethernet Adapter for Ethernet connection.

[2], [3], [4], [5] Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitations.

Wi-Fi 6 full features might be limited by country-level restrictions.

[6] Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitations.

Wi-Fi 6E full features might be limited by country-level restrictions.

Wi-Fi 6E is only enabled on Windows 11 and operates as Wi-Fi 6 with Windows 10.

6GHz Wi-Fi 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi 6E, and the regional regulatory certifications & spectrum allocation.

## Ports<sup>[1]</sup>

### Standard Ports

- 1x HDMI 2.0
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Thunderbolt 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 1x USB-C 3.2 Gen 1 (support data transfer, Power Delivery 3.0 and DisplayPort 1.4)
- 1x microSD card reader

### Optional Ports\*\*\*

- 1x Ethernet (RJ-45)
- 1x Side docking connector
- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

---

Notes:

[1] 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;

USB4 20Gbps / USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;

USB4 40Gbps (USB 40Gbps): 40 Gbit/s;

Thunderbolt 3/4: 40 Gbit/s.

## Docking

### Docking

Various docking solutions supported via Thunderbolt or USB-C.

For more compatible docking solutions, please visit [Docking for ThinkPad® L15 Gen 2 \(Intel\)](#)

## Monitor Cable

### Monitor Cable\*\*\*

- Lenovo HDMI to VGA Monitor Adapter
- Lenovo USB-C to VGA Adapter
- Lenovo USB-C to DisplayPort Adapter
- No monitor cable

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified

#### Physical Locks

Kensington® Security Slot™, 3 x 7 mm

#### Smart Card Reader

- Smart card reader
- No smart card reader

**Fingerprint Reader**

- Touch style fingerprint reader on palm rest, match-on-chip
- No fingerprint reader

**BIOS Security**

- Power-on password
- Supervisor password
- NVMe password (for NVMe SSD)
- Hard disk password (for HDD)
- Self-healing BIOS

**Other Security**

- (Optional) Camera privacy shutter
- (Optional) IR camera for Windows Hello

## MANAGEABILITY

### System Management

**System Management**

- Intel vPro<sup>[1]</sup>
- Non-vPro

---

Notes:

[1] Intel vPro offers a superset of DASH's defined capabilities.

## SERVICE

### Warranty<sup>[1]</sup>

**Base Warranty\*\***

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

---

Notes:

[1] The warranty upgrades may be bundled with some models, please check the "Included upgrade" column in the specific model's configurations. For more service extensions, please go to <https://smartfind.lenovo.com/>. To learn more details of warranty policy, please access <https://pcsupport.lenovo.com/warranty>.

## ENVIRONMENTAL

### Operating Environment

**Temperature<sup>[1]</sup>**

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

**Humidity**

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

**Altitude**

Maximum altitude (without pressurization): 3048 m (10,000 ft)

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Notes:

[1] When you charge the battery, its temperature must be no lower than 10°C (50°F).

## CERTIFICATIONS

## Green Certifications<sup>[1]</sup>

### Green Certifications

- (Optional) ENERGY STAR® 8.0
- (Optional) EPEAT™ Gold Registered<sup>[2]</sup>
- TCO Certified
- RoHS compliant

#### Notes:

<sup>[1]</sup> The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

<sup>[2]</sup> EPEAT is registered where applicable, please see <https://www.epeat.net> for registration status by country.

## Other Certifications

### Mil-Spec Test

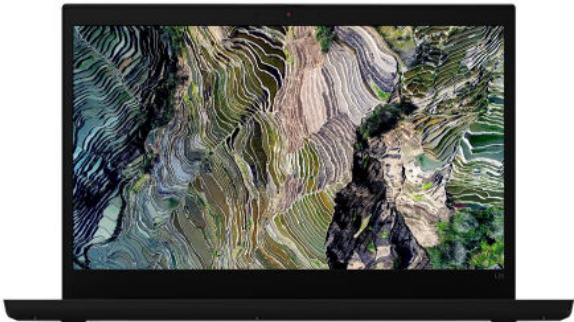
MIL-STD-810H military test passed

- Feature with \*\* means that only one offering listed under the feature is configured on selected models.
- Feature with \*\*\* means that one or more offerings listed under the feature could be configured on selected models.
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