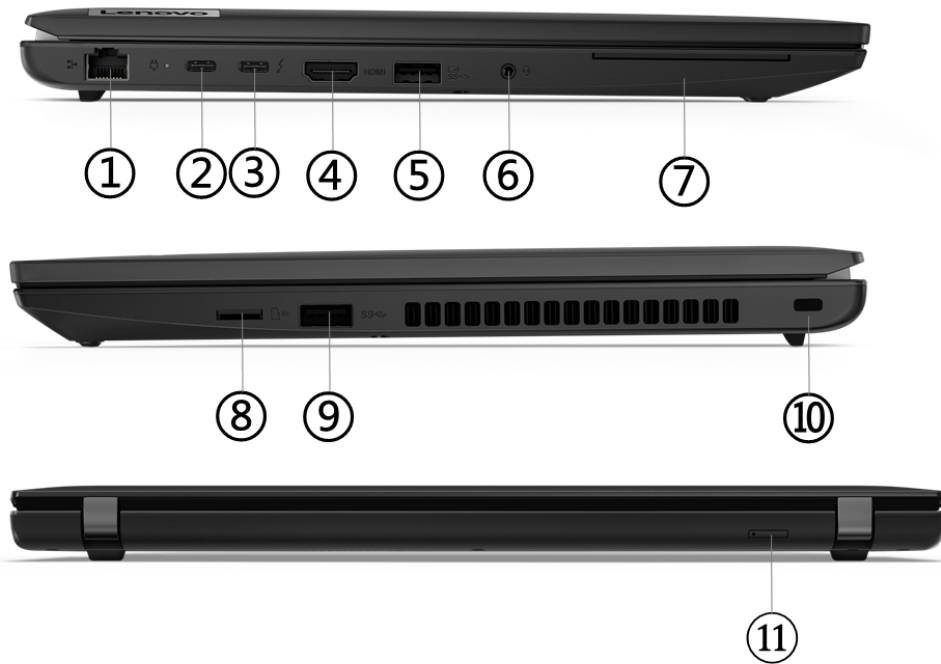


## OVERVIEW



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

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

Intel® U-series or 13th Generation Intel U or P Series Core™ i3 / i5 / i7 Processor

#### Processor\*\*[1]

| Processor Name | Cores                    | Threads | Base Frequency                | Max Frequency                 | Cache | Processor Graphics      |
|----------------|--------------------------|---------|-------------------------------|-------------------------------|-------|-------------------------|
| Core i3-1315U  | 6 (2 P-core + 4 E-core)  | 8       | P-core 1.2GHz / E-core 0.9GHz | P-core 4.5GHz / E-core 3.3GHz | 10MB  | Intel UHD Graphics      |
| U300           | 5 (1 P-core + 4 E-core)  | 6       | P-core 1.2GHz / E-core 0.9GHz | P-core 4.4GHz / E-core 3.3GHz | 8MB   | Intel UHD Graphics      |
| Core i5-1335U  | 10 (2 P-core + 8 E-core) | 12      | P-core 1.3GHz / E-core 0.9GHz | P-core 4.6GHz / E-core 3.4GHz | 12MB  | Intel Iris® Xe Graphics |
| Core i5-1345U  | 10 (2 P-core + 8 E-core) | 12      | P-core 1.6GHz / E-core 1.2GHz | P-core 4.7GHz / E-core 3.5GHz | 12MB  | Intel Iris Xe Graphics  |
| Core i5-1340P  | 12 (4 P-core + 8 E-core) | 16      | P-core 1.9GHz / E-core 1.4GHz | P-core 4.6GHz / E-core 3.4GHz | 12MB  | Intel Iris Xe Graphics  |
| Core i5-1350P  | 12 (4 P-core + 8 E-core) | 16      | P-core 1.9GHz / E-core 1.4GHz | P-core 4.7GHz / E-core 3.5GHz | 12MB  | Intel Iris Xe Graphics  |
| Core i7-1355U  | 10 (2 P-core + 8 E-core) | 12      | P-core 1.7GHz / E-core 1.2GHz | P-core 5.0GHz / E-core 3.7GHz | 12MB  | Intel Iris Xe Graphics  |
| Core i7-1365U  | 10 (2 P-core + 8 E-core) | 12      | P-core 1.8GHz / E-core 1.3GHz | P-core 5.2GHz / E-core 3.9GHz | 12MB  | Intel Iris Xe Graphics  |
| Core i7-1360P  | 12 (4 P-core + 8 E-core) | 16      | P-core 2.2GHz / E-core 1.6GHz | P-core 5.0GHz / E-core 3.7GHz | 18MB  | Intel Iris Xe Graphics  |

#### 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.

### Operating System

#### Operating System\*\*[1][2]

- Windows® 11 Pro
- Windows 11 Home
- Windows 11 Home Single Language
- Windows 11 DG Windows 10 Pro 64
- Linux
- Ubuntu Linux
- No operating system

#### Notes:

1. 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.
2. Windows 11 DG Windows 10 Pro 64 is for special bid only

### Graphics

#### Graphics\*\*[1]

| Graphics               | Type       | Memory    | TGP           | Key Features  |
|------------------------|------------|-----------|---------------|---------------|
| Intel UHD Graphics     | Integrated | Shared    | Share CPU TDP | DirectX® 12.1 |
| Intel Iris Xe Graphics | Integrated | Shared    | Share CPU TDP | DirectX 12.1  |
| NVIDIA® GeForce MX550  | 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.

## Monitor Support

### Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI®, USB-C® and Thunderbolt™)

- HDMI supports up to 3840x2160@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. The system may support more memory as the technology develops.

## Storage

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

One drive, up to 2TB M.2 2242 SSD

### Storage Slot

One M.2 2242 PCIe® 4.0 x4 slot

### Storage Type

| Disk Type    | Interface               | Offering                  | Security |
|--------------|-------------------------|---------------------------|----------|
| M.2 2242 SSD | PCIe NVMe®, PCIe 4.0 x4 | 256GB / 512GB / 1TB / 2TB | Opal 2.0 |

Notes:

1. The storage capacity supported is based on the test results with current Lenovo storage offerings. The system may support larger storage as the technology develops.

## Removable Storage

### Card Reader

microSD card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby® Audio™

### Microphone

Dual-microphone array, far-field, Dolby Voice

### Camera\*\*

- HD 720p, with privacy shutter, fixed focus
- FHD 1080p, with privacy shutter, fixed focus
- FHD 1080p + IR hybrid, with privacy shutter, fixed focus

## Battery

### Battery\*\*

- Integrated Li-Polymer 46.5Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W or 100W AC adapter
- Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W or 100W AC adapter
- Integrated Li-Polymer 63Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 100W AC adapter

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

Configuration 1 (max battery life)

MobileMark® 25: up to 11.5 hr @250nits

JEITA 2.0: up to 18.42 hr @150nits

Local video playback: up to 19.5 hr @150nits

Alternate configuration 2

MobileMark 25: up to 8.93 hr @250nits

JEITA 2.0: up to 14.92 hr @150nits

Local video playback: up to 14.54 hr @150nits

Alternate configuration 3

MobileMark 25: up to 7.35 hr @250nits

JEITA 2.0: up to 14.57 hr @150nits

Local video playback: up to 14.25 hr @150nits

### Notes:

1. Configuration 1 (max battery life): FHD (touch), Intel i5-1340P, 8GB DDR4, Win 11, 63Wh battery, best power efficiency power mode Alternate configuration 2: FHD (non-touch), Intel i5-1350P, 16GB DDR4, Win 11, 57Wh battery, best power efficiency power mode Alternate configuration 3: FHD (touch), Intel i7-1360P, 64GB DDR4, NVIDIA Geforce MX550, Win 11, 63Wh battery, best power efficiency power mode All battery life claims are approximate maximum and based on results using [MobileMark 25](#), JEITA 2.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode with 150nits brightness and default volume level), or Google Power Load Test (PLT) battery-life benchmark tests. Actual battery life will vary and depends on many factors such as product configuration, software, wireless functionality, power management settings, and screen brightness. The maximum capacity of the battery will decrease with time, ambient temperature and use. Refer to [Microsoft® link](#) for more information about the Windows Performance power slider.

## Power Adapter

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

- 45W USB-C (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 45W USB-C (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 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
- 65W USB-C slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 100W USB-C slim (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

### Notes:

1. AC adapter offerings depend on the country.

## DESIGN

## Display

### Display\*\*<sup>[1][2]</sup>

| Size  | Resolution      | Touch       | Type | Brightness | Surface    | Aspect Ratio | Contrast Ratio | Color Gamut | Viewing Angle (L/R/U/D) |
|-------|-----------------|-------------|------|------------|------------|--------------|----------------|-------------|-------------------------|
| 15.6" | FHD (1920x1080) | None        | IPS  | 250 nits   | Anti-glare | 16:9         | 800:1          | 45% NTSC    | 85°/85°/85°/85°         |
| 15.6" | FHD (1920x1080) | Multi-touch | IPS  | 300 nits   | Anti-glare | 16:9         | 800:1          | 45% NTSC    | 85°/85°/85°/85°         |

### Touchscreen

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

---

Notes:

1. California Electronic Waste Recycling Fee In California USA, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product. For more information, please go to <https://www.calrecycle.ca.gov/Electronics/Consumer>
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, 56 x 115 mm (2.24 x 4.53 inches)

## Mechanical

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

360.2 x 237 x 19.93 mm (14.18 x 9.33 x 0.78 inches)

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

Starting at 1.77 kg (3.91 lbs)

### Case Color

Thunder 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

#### WLAN + Bluetooth®\*\*<sup>[1]</sup>

- Intel Wi-Fi® 6 AX201, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 Card
- Intel Wi-Fi 6E AX211, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 Card
- No WLAN and Bluetooth

#### WWAN\*\*

- Wireless WAN upgradable to 4G (with antenna ready)
- Fibocom L860-GL-16, 4G LTE CAT16, M.2 card, with embedded eSIM functionality
- Quectel EM05-G, 4G LTE CAT4, M.2 card, with embedded eSIM functionality
- No support

#### SIM Card

No SIM card inbox

#### NFC

- Near Field Communication
- No support

# ThinkPad L15 Gen 4 (Intel)

## Notes:

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

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

### Standard Ports

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 1x USB-C 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x Thunderbolt 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort 1.4)
- 1x HDMI, up to 4K/60Hz
- 1x microSD card reader
- 1x Ethernet (RJ-45)
- 1x Headphone / microphone combo jack (3.5mm)

### Optional Ports<sup>\*\*\*</sup>

- 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 4 \(Intel\)](#)

## Monitor Cable

### Monitor Cable<sup>\*\*\*</sup>

- 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® Nano Security Slot™, 2.5 x 6 mm

### Smart Card Reader

- Smart card reader
- No smart card reader

### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

### BIOS Security

- Power-on password
- Supervisor password
- NVMe password
- Self-healing BIOS

### Other Security

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

## MANAGEABILITY

### System Management

#### System Management\*\*<sup>[1]</sup>

- Intel vPro Enterprise
- Intel vPro Essentials
- Non-vPro

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#### 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

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#### 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

### Sustainability

#### Material

30% PCC recycled plastic used in top cover frame material  
50% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the battery pack  
90% PCC recycled plastic used in standard adapter  
45% PCC recycled plastic used in SIM tray  
Low-temperature solder  
90% recycled and/or sustainable packaging

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

- EPEAT™ Gold Registered
- ENERGY STAR® 8.0
- ErP Lot 6
- ErP Lot 26
- TCO Certified 9.0
- RoHS compliant

#### Notes:

1. The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.
2. 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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