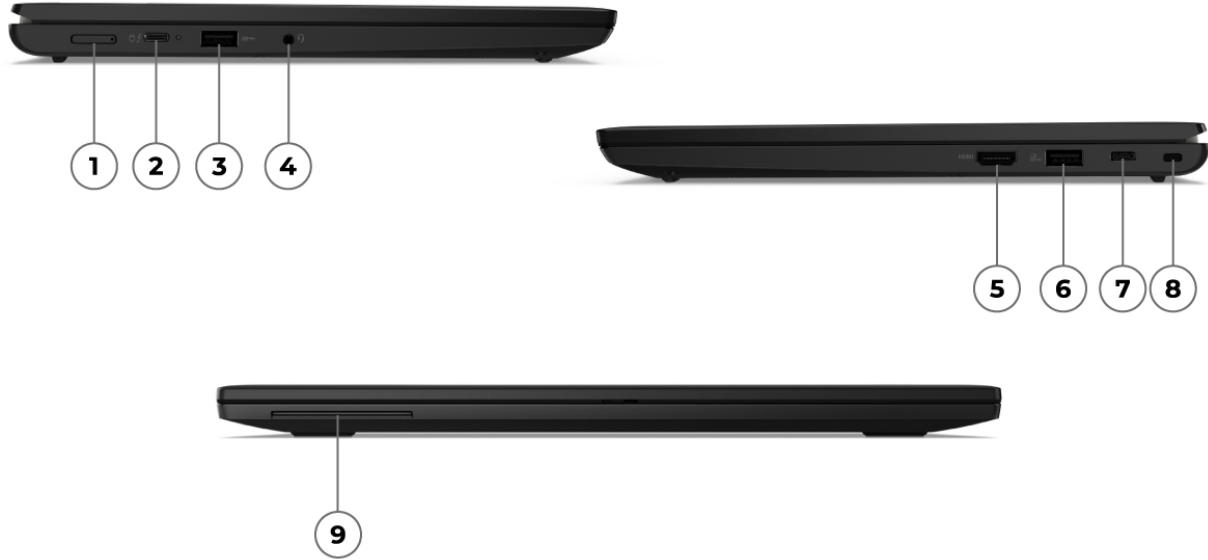


## OVERVIEW



|  |   |
|--|---|
| 1. Nano-SIM card slot (WWAN model) *         | 6. USB-A (USB 5Gbps), Always On                 |
| 2. Thunderbolt 4                             | 7. USB-C (USB 20Gbps), with USB PD 3.0 & DP 1.4 |
| 3. USB-A (USB 5Gbps)                         | 8. Kensington Nano Security Slot                |
| 4. Headphone / microphone combo jack (3.5mm) | 9. Smart card reader *                          |
| 5. HDMI                                      |   |

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

Intel® U Series Core Ultra 5 / 7 Processor (Series 1)

#### Processor\*\*

| Processor Name    | Cores                                 | Threads | Base Frequency                                  | Max Frequency                                   | Cache | Processor Graphics | NPU             |
|-------------------|---------------------------------------|---------|---|---|-------|--------------------|-----------------|
| Core Ultra 5 125U | 12 (2 P-core + 8 E-core + 2 LPE-core) | 14      | P-core 1.3GHz / E-core 800MHz / LPE-core 700MHz | P-core 4.3GHz / E-core 3.6GHz / LPE-core 2.1GHz | 12MB  | Intel® Graphics    | Intel® AI Boost |
| Core Ultra 5 135U | 12 (2 P-core + 8 E-core + 2 LPE-core) | 14      | P-core 1.6GHz / E-core 1.1GHz / LPE-core 700MHz | P-core 4.4GHz / E-core 3.6GHz / LPE-core 2.1GHz | 12MB  | Intel® Graphics    | Intel® AI Boost |
| Core Ultra 7 155U | 12 (2 P-core + 8 E-core + 2 LPE-core) | 14      | P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz | P-core 4.8GHz / E-core 3.8GHz / LPE-core 2.1GHz | 12MB  | Intel® Graphics    | Intel® AI Boost |
| Core Ultra 7 165U | 12 (2 P-core + 8 E-core + 2 LPE-core) | 14      | P-core 1.7GHz / E-core 1.2GHz / LPE-core 700MHz | P-core 4.9GHz / E-core 3.8GHz / LPE-core 2.1GHz | 12MB  | Intel® Graphics    | Intel® AI Boost |

### AI (Artificial Intelligence)

#### NPU

Integrated Intel® AI Boost, up to 11 TOPS

### Operating System

#### Operating System\*\*

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

Notes:

[1] Windows® 11 DG Windows® 10 Pro 64 is for special bid only.

[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.

### Graphics

#### Graphics

| Graphics        | Type       | Memory | TGP           | Key Features  |
|-----------------|------------|--------|---------------|---------------|
| Intel® Graphics | Integrated | Shared | Share CPU TDP | DirectX® 12.1 |

### 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 4K@60Hz
- USB-C® supports up to 5K@120Hz
- Thunderbolt™ supports up to 8K@60Hz

### Chipset

#### Chipset

Intel® SoC (System on Chip) platform

### Memory

### Max Memory

- 8GB soldered memory, not upgradable
- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable

### Memory Slots

Memory soldered to systemboard, no slots, dual-channel

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

LPDDR5-6400

Notes:

[1] Installed memory is actually LPDDR5-7500 but run as LPDDR5-6400 due to platform limitation.

## Storage

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

One drive, up to 1TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

### Storage Type

| Disk Type    | Interface                 | Offering            | Security |
|--------------|---------------------------|---------------------|----------|
| M.2 2280 SSD | PCIe® NVMe®, PCIe® 4.0 x4 | 256GB / 512GB / 1TB | Opal 2.0 |

Notes:

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

## Removable Storage

### Card Reader

No 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 + IR hybrid, with privacy shutter, fixed focus, temporal noise reduction

## Battery

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

46Wh Rechargeable Li-ion Battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

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

Configuration 1 (max battery life)

MobileMark® 25: up to 11.3 hr with 576 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 10.97 hr / 27.34 hr @200nits

Local video playback: up to 20.57 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 9.93 hr with 656 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 9.95 hr / 18.7 hr @200nits

Local video playback: up to 15.92 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 9.86 hr with 619 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 9.31 hr / 14.42 hr @200nits  
Local video playback: up to 14.42 hr @150nits

Notes:

- [1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.
- [2] Configuration 1 (max battery life): WUXGA (non-touch), Intel® Core™ Ultra 5 125U, 8GB LPDDR5, Win 11, 46Wh battery, best power efficiency power mode  
Alternate configuration 2: WUXGA (touch), Intel® Core™ Ultra 5 135U, 16GB LPDDR5, Win 11, 46Wh battery, best power efficiency power mode  
Alternate configuration 3: WUXGA (touch), Intel® Core™ Ultra 7 165U, 32GB LPDDR5, Win 11, 46Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 3.0, 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 depending 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\*\*[1]

- 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
- No power adapter<sup>[2]</sup>

Notes:

- [1] AC adapter offerings depend on the country.
- [2] No power adapter is for special bid only.

## DESIGN

### Display

#### Display\*\*

| Size  | Resolution        | Touch       | Type               | Brightness | Surface    | Aspect Ratio | Contrast Ratio | Color Gamut | Refresh Rate | Viewing Angle (L/R/U/D) | Key Features                      |
|-------|-------------------|-------------|--------------------|------------|------------|--------------|----------------|-------------|--------------|-------------------------|-----------------------------------|
| 13.3" | WUXGA (1920x1200) | None        | IPS <sup>[1]</sup> | 300nits    | Anti-glare | 16:10        | 800:1          | 45% NTSC    | 60Hz         | 85° / 85° / 85° / 85°   | -                                 |
| 13.3" | WUXGA (1920x1200) | None        | IPS <sup>[2]</sup> | 300nits    | Anti-glare | 16:10        | 1000:1         | 100% sRGB   | 60Hz         | 85° / 85° / 85° / 85°   | -                                 |
| 13.3" | WUXGA (1920x1200) | None        | IPS <sup>[3]</sup> | 400nits    | Anti-glare | 16:10        | 1200:1         | 100% sRGB   | 60Hz         | 85° / 85° / 85° / 85°   | Low power, Eyesafe® Certified 2.0 |
| 13.3" | WUXGA (1920x1200) | Multi-touch | IPS <sup>[4]</sup> | 300nits    | Anti-glare | 16:10        | 1000:1         | 72% NTSC    | 60Hz         | 85° / 85° / 85° / 85°   | -                                 |

#### Touchscreen

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

Notes:

- [1], [2], [3], [4] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

## Input Device

### Pen

No support

### Keyboard

6-row, spill-resistant, multimedia Fn keys

### Keyboard Backlight

- LED backlight
- Non-backlight

### UltraNav™

TrackPoint® pointing device and Mylar® surface multi-touch 3-button Trackpad, 56 x 115 mm (2.24 x 4.53 inches)

## Mechanical

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

305 x 218 x 17.23 mm (12.0 x 8.58 x 0.68 inches)

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

Starting at 1.23 kg (2.71 lbs)

### Case Color\*\*

- Black
- Grey

### Case Material

Aluminium (top), GFRP (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

#### WLAN + Bluetooth®<sup>[1]</sup>

Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3<sup>[2]</sup>

#### WWAN\*\*

- Wireless WAN upgradable to 4G (with antenna ready)
- Quectel EM061K-GL, 4G LTE CAT6, M.2 card, with embedded eSIM functionality
- No support

#### SIM Card

- KDDI eSIM Program (Japan)<sup>[3]</sup>
- No physical SIM card inbox

#### Ethernet

No onboard Ethernet<sup>[4]</sup>

#### NFC

- Near Field Communication
- No support

---

Notes:

[1] Bluetooth® may operate at a lower version than hardware design depending on the factors such as operating system, driver, etc.

[2] 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.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit [General Bluetooth® Support Information on Microsoft®](#).

[3] KDDI eSIM Program is for special bid only.

[4] Ethernet support via optional Lenovo® USB-C® to Ethernet Adapter.

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

### Standard Ports

- 2x USB-A (USB 5Gbps / USB 3.2 Gen 1), one Always On
- 1x USB-C® (USB 20Gbps / USB 3.2 Gen 2x2), with USB PD 3.0 and DisplayPort™ 1.4
- 1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)

### Optional Ports\*\*\*

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

Notes:

[1] The transfer speed of the 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.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® L13 Gen 5 \(Intel®\)](#)

## SECURITY & PRIVACY

## Security

### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

### Smart Card Reader

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

### Fingerprint Reader

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

### BIOS Security

- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Certificate-based BIOS authentication
- FIDO (Fast Identity Online) authentication
- Self-healing BIOS
- More BIOS security features, please visit [BIOS Simulator<sup>\[1\]</sup>](#)

### Other Security

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

Notes:

[1] The BIOS simulator is just for reference. Default settings and some options may vary depending on the hardware, operating system and BIOS version.

## MANAGEABILITY

## System Management

### System Management

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

Notes:

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

## SERVICE

### Warranty

#### 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

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to USB-A Adapter
- Lenovo® USB-C® to VGA Adapter
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® L13 Gen 5 \(Intel®\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

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

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

#### Relative 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)

Notes:

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

## ENVIRONMENTAL

### Sustainability

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

30% PCC recycled plastic used in top cover frame material  
30% PCC recycled plastic used in bottom cover material

50% PCC recycled plastic used in speaker enclosure  
90% PCC recycled plastic used in the battery pack enclosure  
85% PCC recycled plastic used in key caps (backlight)  
70% PCC recycled plastic used in key caps (non-backlight)  
90% PCC recycled plastic used in standard adapter  
90% PCC recycled plastic used in slim adapter  
90% recycled and/or sustainable packaging

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

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

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

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified 10.0

Notes:

[1] The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration. For ESG & regulatory compliance documents, please visit <https://compliance.lenovo.com>.

[2] EPEAT™ registration and ENERGY STAR® certification are optional and only available on the models with preloaded OS. Please visit [epeat.net](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

#### Other Certifications

- (Optional) Eyesafe® Certified 2.0
- (Optional) TÜV Rheinland® Low Blue Light (Hardware Solution)

• Feature with \*\* means that only one option listed under the feature can be configured on selected models. Please refer to the model configuration for specific information.

• Feature with \*\*\* means that one or more options listed under the feature can be configured on selected models. Please refer to the model configuration for specific information.

• Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. **LENOVO PROVIDES THIS PUBLICATION "AS IS," WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions, therefore this disclaimer may not apply to you.

• The specifications on this page may not be available in all regions, and may be changed or updated without notice.

