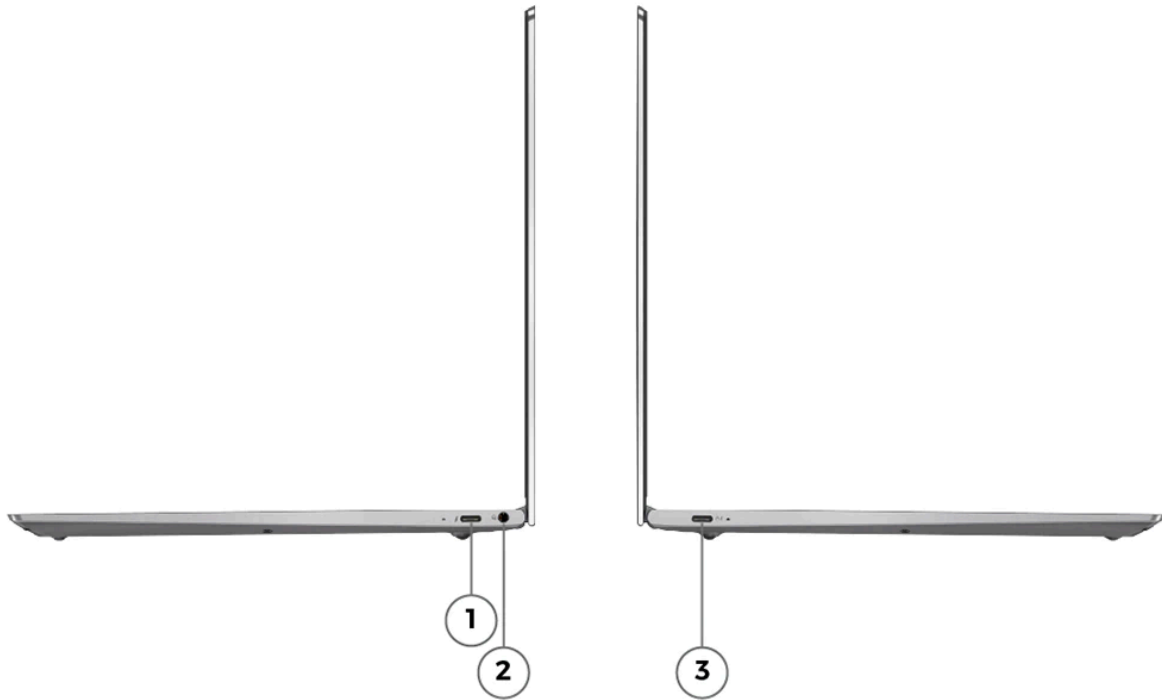


OVERVIEW



| | |
|--|------------------|
| 1. Thunderbolt 4 | 3. Thunderbolt 4 |
| 2. Headphone / microphone combo jack (3.5mm) | |

PERFORMANCE

Processor

Processor Family

12th Generation Intel® Core™ i5 / i7 Processor

Processor**

| Processor Name | Cores | Threads | Base Frequency | Max Frequency | Cache | Processor Graphics |
|----------------|--------------------------|---------|-------------------------------|-------------------------------|-------|--------------------------|
| Core™ i5-1235U | 10 (2 P-core + 8 E-core) | 12 | P-core 1.3GHz / E-core 0.9GHz | P-core 4.4GHz / E-core 3.3GHz | 12MB | Intel® Iris® Xe Graphics |
| Core™ i7-1255U | 10 (2 P-core + 8 E-core) | 12 | P-core 1.7GHz / E-core 1.2GHz | P-core 4.7GHz / E-core 3.5GHz | 12MB | Intel® Iris® Xe Graphics |

Operating System

Operating System**

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- No preload operating system

Graphics

Graphics

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

Monitor Support

Monitor Support

Supports up to 3 independent displays (native display and 2 external monitors via Thunderbolt™)

- Thunderbolt™ supports up to 5120x3200@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

LPDDR5-4800

Storage

Storage Support^[1]

One drive, up to 1TB M.2 2242 SSD or 1TB M.2 2280 SSD

Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

Storage Type**

| Disk Type | Interface | Offering |
|--------------|---------------------------|---------------------|
| M.2 2280 SSD | PCIe® NVMe®, PCIe® 4.0 x4 | 512GB / 1TB |
| M.2 2242 SSD | PCIe® NVMe®, PCIe® 4.0 x4 | 256GB / 512GB / 1TB |

Notes:

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

Removable Storage

Optical

None

Card Reader

No card reader

Multi-Media

Audio Chip

High Definition (HD) Audio, Realtek® ALC3306-CG codec

Speakers

Stereo speakers, 2W x2, Dolby Atmos®, sound by harman/kardon, Smart AMP

Microphone

Dual-microphone array with AI-based noise-cancelling, near-field

Camera

HD 720p + IR hybrid, with privacy shutter, fixed focus, ToF sensor

Sensor

Sensors

Ambient light sensor (ALS)

Battery

Battery

Integrated Li-Polymer 56Wh battery, supports Rapid Charge Pro (charge up to 50% in 30min) with 100W AC adapter

Max Battery Life^[1]

MobileMark® 2018: 11.4 hr

Notes:

[1] 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^{**[1]}

- 65W USB-C® slim (2-pin, wall-mount) 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^{**[1]}

| Size | Resolution | Touch | Type | Brightness | Surface | Aspect Ratio | Contrast Ratio | Color Gamut | Viewing Angle (L/R/U/D) | Key Features |
|-------|-------------------|-------|------|------------|---------------|--------------|----------------|-------------|-------------------------|--------------------------|
| 13.3" | WQXGA (2560x1600) | None | IPS | 400nits | Glossy, anti- | 16:10 | 1200:1 | 100% sRGB | 85°/85°/85°/85° | Corning® Gorilla® Glass, |

| | | | | | | | | | | |
|-------|-------------------|-------------|-----|---------|--------------------------|-------|--------|-----------|-----------------|--|
| | | | | | fingerprint | | | | | smart sense panel, low power, Dolby Vision®, Eyesafe® certified |
| 13.3" | WQXGA (2560x1600) | Multi-touch | IPS | 400nits | Glossy, anti-fingerprint | 16:10 | 1200:1 | 100% sRGB | 85°/85°/85°/85° | Corning® Gorilla® Glass, smart sense panel, low power, Dolby Vision®, Eyesafe® certified |

Touchscreen

- Capacitive-type multi-touch, supports 10-point touch
- Non-touch

Notes:

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

Input Device**Pen**

- No pen (purchase separately)
- No support (non-touch display doesn't support pen input)

Keyboard

6-row, spill-resistant, multimedia Fn keys, SMB Service Hot key

Keyboard Backlight

Smart sense keyboard backlight

Touchpad

Buttonless glass surface multi-touch touchpad, supports Precision TouchPad (PTP), 63 x 105 mm (2.48 x 4.13 inches)

Mechanical**Dimensions (WxDxH)^[1]**

296 x 209 x 12.9 mm (11.7 x 8.2 x 0.5 inches)

Weight^[2]

Starting at 1.2 kg (2.65 lbs)

Case Color^{}**

- Cloud grey, dual-tone design
- Storm grey, dual-tone design

Surface Treatment

CNC unibody, anodized (top, keyboard cover), stamping anodized (bottom)

Case Material

Aluminium (top), glass (display cover), aluminium (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^[1]**

No onboard Ethernet

WLAN + Bluetooth^{[2][3]}

Wi-Fi® 6E, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.1

Notes:

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

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

[3] Wi-Fi® 6E full features might be limited by country-level restrictions.

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^[1]**Standard Ports**

- 2x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x Headphone / microphone combo jack (3.5mm)

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™.

For more compatible docking solutions, please visit [Docking for ThinkBook 13x G2 IAP](#)

SECURITY & PRIVACY**Security****Security Chip**

Discrete TPM 2.0, TCG certified

Fingerprint Reader

Touch style fingerprint reader integrated in smart power button

BIOS Security

- Hard disk password
- Power-on password
- Self-healing BIOS
- Supervisor password

Other Security

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

SERVICE**Warranty****Base Warranty****

- 1-year courier or carry-in service
- 2-year (1-yr battery) courier or carry-in service

ACCESSORIES

Bundled Accessories

Bundled Accessories^{***[1]}

- ThinkBook USB-C® Micro Hub
- ThinkBook Wireless Dock
- ThinkBook wireless multi-device charging mat
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkBook 13x G2 IAP](#)

OPERATING REQUIREMENTS

Operating Environment

Temperature^[1]

- At altitudes up to 2438 m (8,000 ft)
 - Operating: 5°C to 35°C (41°F to 95°F)
 - Storage: 5°C to 43°C (41°F to 109°F)
- At altitudes above 2438 m (8,000 ft)
 - Maximum temperature when operating under the unpressurized condition: 31.3°C (88°F)

Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage: 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).

CERTIFICATIONS

Green Certifications^[1]

Green Certifications^[2]

- ENERGY STAR® 8.0
- EPEAT™ Silver Registered^[3]
- ErP Lot 3
- FSC certified package
- RoHS compliant
- TCO Certified
- Volatile Organic Compound Certification

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 dependent on system OS. Please visit epeat.net and energystar.gov for more information.

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

Other Certifications

Mil-Spec Test

MIL-STD-810H military test passed

Other Certifications

- (Optional) Intel® Evo™ Platform
- Eyesafe® Certified
- TÜV Rheinland® Low Blue Light (Hardware Solution)

- 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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