

OVERVIEW

| | |
|--------------------|---|
| 1. Card reader | 5. HDMI |
| 2. USB 2.0 | 6. USB-C 3.2 Gen 1 (support data transfer only) |
| 3. Power connector | 7. Headphone / microphone combo jack (3.5mm) |
| 4. USB 3.2 Gen 1 | |

PERFORMANCE

Processor

Processor Family

Intel® Celeron®, Intel Pentium®, or 12th Generation Intel Core™ i3 / i5 / i7 Processor

Processor**

| Processor Name | Cores | Threads | Base Frequency | Max Frequency | Cache | Processor Graphics |
|-------------------|--------------------------|---------|-------------------------------|-------------------------------|-------|--|
| Pentium Gold 8505 | 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 i3-1215U | 6 (2 P-core + 4 E-core) | 8 | P-core 1.2GHz / E-core 0.9GHz | P-core 4.4GHz / E-core 3.3GHz | 10MB | Intel UHD 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 ^[1] |
| 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 ^[2] |

Notes:

[1], [2] 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**

- Windows® 11 Home
- Windows 11 Home Single Language
- Windows 11 Home Single Language in S mode
- Windows 11 Home in S mode
- Windows 11 Pro
- No operating system

Graphics

Graphics**

| Graphics | Type | Memory | TGP | Key Features |
|---------------------------------------|------------|--------|---------------|---------------|
| Intel UHD Graphics | Integrated | Shared | Share CPU TDP | DirectX® 12.1 |
| Intel Iris Xe Graphics ^[1] | Integrated | Shared | Share CPU TDP | DirectX 12.1 |

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 2 independent displays (native display and 1 external monitor via HDMI®)

- HDMI supports up to 4K@30Hz

Chipset

Chipset

Intel SoC (System on Chip) platform

Memory

Max Memory^[1]

- Up to 4GB (4GB soldered + empty SO-DIMM slot) DDR4-3200 offering
- Up to 16GB (8GB soldered + 8GB SO-DIMM) DDR4-3200 offering

Memory Slots

One memory soldered to systemboard, one DDR4 SO-DIMM slot, 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^[1]

One drive, up to 512GB M.2 2242 SSD or 512GB M.2 2280 SSD

Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot

Storage Type**

| Disk Type | Interface | Offering |
|--------------|-------------------------|---------------|
| M.2 2242 SSD | PCIe NVMe®, PCIe 3.0 x4 | 128GB / 256GB |
| M.2 2242 SSD | PCIe NVMe, PCIe 4.0 x4 | 256GB / 512GB |
| M.2 2280 SSD | PCIe NVMe, PCIe 3.0 x4 | 512GB |

Notes:

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

Removable Storage

Card Reader

SD card reader

Multi-Media

Audio Chip

High Definition (HD) Audio

Speakers

Stereo speakers, 1.5W x2, Dolby® Audio™

Microphone

Dual-microphone array with noise-cancelling

Camera

HD 720p, with privacy shutter, fixed focus

Battery

Battery

Integrated Li-Polymer 42Wh battery, supports Rapid Charge Boost (get 2 hours of runtime with a 15-minute charge)

Max Battery Life^[1]

MobileMark® 2018: 6.1 hr

Local Video (1080p) Playback@150nits: 10 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

65W round tip (3-pin) AC adapter, 100-240V, 50-60Hz

DESIGN

Display

Display**

| Size | Resolution | Touch | Type | Brightness | Surface | Aspect Ratio | Contrast Ratio | Color Gamut | Viewing Angle (L/R/U/D) |
|------|-----------------|-------|--------------------|------------|------------|--------------|----------------|-------------|-------------------------|
| 14" | HD (1366x768) | None | TN | 220nits | Anti-glare | 16:9 | 400:1 | 45% NTSC | 45°/45°/15°/35° |
| 14" | FHD (1920x1080) | None | TN | 220nits | Anti-glare | 16:9 | 400:1 | 45% NTSC | 45°/45°/15°/35° |
| 14" | FHD (1920x1080) | None | IPS ^[1] | 250nits | Anti-glare | 16:9 | 700:1 | 45% NTSC | 85°/85°/85°/85° |

Touchscreen

Non-touch

Notes:

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

Input Device

Keyboard

6-row, multimedia Fn keys

Keyboard Backlight

Non-backlight

Touchpad

Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP), 62 x 104 mm (2.44 x 4.09 inches)

Mechanical

Dimensions (WxDxH)^[1]

325.3 x 216.5 x 17.9 mm (12.8 x 8.52 x 0.70 inches)

Weight^[2]

Starting at 1.37 kg (3.02 lbs)

Case Color**

- Abyss blue
- Cloud grey
- Sand

Surface Treatment

IMR (in-mold decoration by roller)

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

No onboard Ethernet

WLAN + Bluetooth®**

- 802.11ac 2x2 Wi-Fi® + Bluetooth 5.0, M.2 card
- Wi-Fi 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 card^[1]

Notes:

[1] 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.

Ports^[1]**Standard Ports**

- 1x Card reader
- 1x HDMI 1.4b
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Power connector
- 1x USB 2.0
- 1x USB 3.2 Gen 1
- 1x USB-C® 3.2 Gen 1 (support data transfer only)

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.

SECURITY & PRIVACY

Security

Security Chip

Firmware TPM 2.0 integrated in SoC

Fingerprint Reader

- Touch style fingerprint reader integrated in power button
- No fingerprint reader

BIOS Security

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

Other Security

Camera privacy shutter

SERVICE

Warranty^[1]

Base Warranty**

- 1-year mail-in service
- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 2-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) courier or carry-in service

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^[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)

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).

ACCESSORIES

Bundled Accessories

Bundled Accessories

- Lenovo 15.6" laptop casual toplayer, polyester, black
- None

CERTIFICATIONS

Green Certifications^[1]

Green Certifications

- (Optional) ENERGY STAR® 8.0
- ErP Lot 3
- RoHS compliant

Notes:

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

- Feature with ** means that only one offering listed under the feature is configured on selected models.
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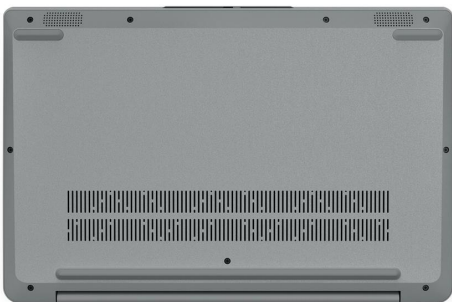
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