

OVERVIEW



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

PERFORMANCE

Processor

Processor Family

AMD Ryzen™ 3 / 5 / 7 Processor

Processor**

| Processor Name | Cores | Threads | Base Frequency | Max Frequency | Cache | Processor Graphics |
|--------------------|-------|---------|----------------|---------------|------------------|----------------------|
| AMD Ryzen™ 3 5300U | 4 | 8 | 2.6GHz | 3.8GHz | 2MB L2 / 4MB L3 | AMD Radeon™ Graphics |
| AMD Ryzen™ 5 5500U | 6 | 12 | 2.1GHz | 4.0GHz | 3MB L2 / 8MB L3 | AMD Radeon™ Graphics |
| AMD Ryzen™ 5 5625U | 6 | 12 | 2.3GHz | 4.3GHz | 3MB L2 / 16MB L3 | AMD Radeon™ Graphics |
| AMD Ryzen™ 7 5700U | 8 | 16 | 1.8GHz | 4.3GHz | 4MB L2 / 8MB L3 | AMD Radeon™ Graphics |

Operating System

Operating System**

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

Graphics

Graphics

| Graphics | Type | Memory | TGP | Key Features |
|----------------------|------------|--------|---------------|--------------|
| AMD Radeon™ Graphics | Integrated | Shared | Share CPU TDP | DirectX® 12 |

Monitor Support

Monitor Support

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

- HDMI® supports up to 3840x2160@30Hz

Chipset

Chipset

AMD 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 1TB M.2 2242 SSD or 512GB M.2 2280 SSD

Storage Slot

One M.2 2280 PCIe® 3.0 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 ^[2] | 256GB / 512GB / 1TB |
| 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.

[2] The SSD with PCIe® 4.0x4 is downgraded to closer to PCIe® 3.0x4 due to AMD platform limitations.

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

Camera

HD 720p, with privacy shutter, fixed focus

Battery

Battery

42Wh Rechargeable Li-ion Battery, supports Rapid Charge Boost (get 2 hours of runtime with a 15-minute charge)

Max Battery Life^[1]

MobileMark® 2018: 9.32 hr
Local video (1080p) playback@150nits: 13 hr

Notes:

[1] All battery life claims are approximate maximum and based on results using the MobileMark® 2014, MobileMark® 2018, MobileMark® 25, MobileMark® 30, JEITA 2.0, JEITA 3.0, 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) |
|-------|-----------------|-------|--------------------|------------|------------|--------------|----------------|-------------|-------------------------|
| 15.6" | HD (1366x768) | None | TN | 220nits | Anti-glare | 16:9 | 500:1 | 45% NTSC | 45° / 45° / 20° / 45° |
| 15.6" | FHD (1920x1080) | None | TN | 220nits | Anti-glare | 16:9 | 400:1 | 45% NTSC | 45° / 45° / 15° / 35° |
| 15.6" | FHD (1920x1080) | None | IPS ^[1] | 250nits | Anti-glare | 16:9 | 700:1 | 45% NTSC | 80° / 80° / 80° / 80° |

| | | | | | | | | | |
|-------|--------------------|-------------|--------------------|---------|------------|------|-------|----------|-----------------------|
| 15.6" | FHD (1920x1080) | Multi-touch | IPS ^[2] | 300nits | 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], [2] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

Input Device

Pen

No support

Keyboard

6-row, multimedia Fn keys, numeric keypad

Keyboard Backlight

Non-backlight

Touchpad

Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP), 69 x 104 mm (2.72 x 4.09 inches)

Mechanical

Dimensions (WxDxH)^[1]

360.2 x 236 x 17.9 mm (14.18 x 9.29 x 0.70 inches)

Weight^[2]

Starting at 1.61 kg (3.55 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

WLAN + Bluetooth®**

- Wi-Fi® 5, 802.11ac 2x2 Wi-Fi® + Bluetooth® 5.1, M.2 Card
- Wi-Fi® 6, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.2, M.2 card^[1]

WWAN

No support

Ethernet

No onboard Ethernet

Notes:

[1] Wi-Fi® 6 operation is subject to the regulation rules in each country.

Ports^[1]

Standard Ports

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

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
- Hard disk password
- Power-on password

Other Security

Camera privacy shutter

SERVICE

Warranty

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

ACCESSORIES

Bundled Accessories

Bundled Accessories^[1]

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

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for IdeaPad® 1 15ALC7](#).

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

- ENERGY STAR® 8.0^[2]
- 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. For ESG & regulatory compliance documents, please visit <https://compliance.lenovo.com>.

[2] ENERGY STAR® certification is optional and only available on the models with preloaded OS. Please visit energystar.gov for more information.

- 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.
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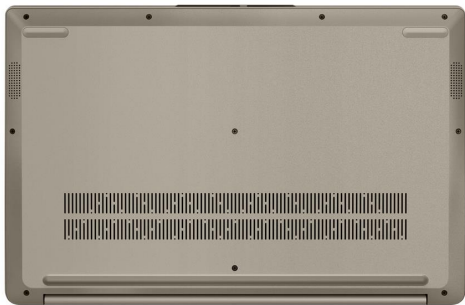
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