

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

- 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<sup>[1]</sup>

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 <sup>[2]</sup>	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

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

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

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 <sup>[1]</sup>	250nits	Anti-glare	16:9	700:1	45% NTSC	80° / 80° / 80° / 80°

15.6"	FHD (1920x1080)	Multi-touch	IPS <sup>[2]</sup>	300nits	Anti-glare	16:9	800:1	45% NTSC	85° / 85° / 85° / 85°
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#### 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

#### Keyboard

6-row, multimedia Fn keys, numeric keypad

#### Keyboard Backlight

Non-backlight

#### Touchpad

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

## Mechanical

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

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

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

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<sup>®</sup> 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<sup>®</sup>\*\*

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

Notes:

[1] Wi-Fi<sup>®</sup> 6 full features might be limited by country-level restrictions.

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

#### Standard Ports

- 1x HDMI<sup>®</sup> 1.4b
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Card reader

- 1x USB 2.0
- 1x USB 3.2 Gen 1
- 1x USB-C® 3.2 Gen 1 (support data transfer only)
- 1x Power connector

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**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

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

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

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**Notes:**

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

## OPERATING REQUIREMENTS

### Operating Environment

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

- 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<sup>[1]</sup>

**Green Certifications**

- ENERGY STAR® 8.0<sup>[2]</sup>
- 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](http://energystar.gov) for more information.

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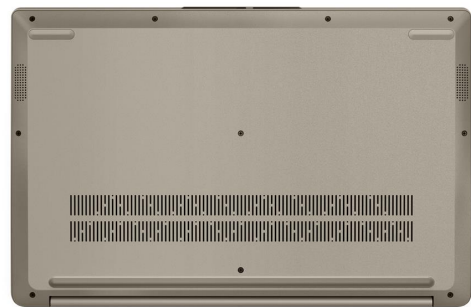
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