

OVERVIEW



1. Card reader	5. HDMI 1.4b
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

AMD 3000, AMD Athlon™, or AMD Ryzen™ 3 / 5 / 7 Processor

Processor**

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
AMD 3020e	2	2	1.2GHz	2.6GHz	1MB L2 / 4MB L3	DDR4-2400	AMD Radeon™ Graphics
AMD Athlon Silver 3050U	2	2	2.3GHz	3.2GHz	1MB L2 / 4MB L3	DDR4-2400	AMD Radeon Graphics
AMD Athlon Gold 3150U	2	4	2.4GHz	3.3GHz	1MB L2 / 4MB L3	DDR4-2400	AMD Radeon Graphics
AMD Ryzen 3 3250U	2	4	2.6GHz	3.5GHz	1MB L2 / 4MB L3	DDR4-2400	AMD Radeon Graphics
AMD Ryzen 5 3500U	4	8	2.1GHz	3.7GHz	2MB L2 / 4MB L3	DDR4-2400	AMD Radeon Vega 8 Graphics
AMD Ryzen 7 3700U	4	8	2.3GHz	4.0GHz	2MB L2 / 4MB L3	DDR4-2400	AMD Radeon RX Vega 10 Graphics

Operating System

Operating System**

- Windows® 11 Pro 64
- Windows 11 Home 64
- Windows 11 Home in S mode
- Windows 11 Home 64 Single Language
- Windows 11 Home Single Language in S mode
- No operating system

Graphics

Graphics**

Graphics	Type	Memory	Key Features
AMD Radeon Graphics	Integrated	Shared	DirectX® 12
AMD Radeon Vega 8 Graphics	Integrated	Shared	DirectX 12
AMD Radeon RX Vega 10 Graphics	Integrated	Shared	DirectX 12

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

AMD SoC (System on Chip) platform

Memory

Max Memory^[1]

- Up to 8GB (8GB SO-DIMM) DDR4-2400 offering
- Up to 12GB (4GB soldered + 8GB SO-DIMM) DDR4-2400 offering

Memory Slots**

- One DDR4 SO-DIMM slot
- One memory soldered to systemboard, one DDR4 SO-DIMM slot, dual-channel capable

Memory Type
DDR4-2400

Notes:

1. The max memory is based on the test results with current Lenovo® memory offerings. The system may support more memory as the technology develops.

Storage

- Storage Support^[1]
- One drive, up to 1TB M.2 2242 SSD or 512GB M.2 2280 SSD
 - 128GB eMMC 5.1 on systemboard

- Storage Slot
- eMMC on systemboard, no slots (eMMC models)
 - One M.2 2280 PCIe® 3.0 x4 slot (M.2 SSD models)

Storage Type^{*[2]}

Disk Type	Interface	Offering
Flash Memory	eMMC 5.1	128GB
M.2 2242 SSD	PCIe NVMe®, PCIe 3.0 x4	128GB / 256GB / 512GB / 1TB
M.2 2242 SSD	PCIe NVMe, PCIe 4.0 x4	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. The system may support larger storage as the technology develops.

2. System has one eMMC on systemboard or one M.2 2242/2280 SSD exclusively.
The SSD with PCIe 4.0x4 is downgraded to closer to PCIe 3.0x4 due to AMD platform limitation.

Removable Storage

- Optical
- None
- Card Reader
- 4-in-1 card reader (SD, SDHC, SDXC, MMC)

Multi-Media

- Audio Chip
- High Definition (HD) Audio
- Speakers
- Stereo speakers, 1.5W x2, Dolby® Audio™
- Microphone
- Dual array microphone 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]
- Local video (1080p) playback@150nits: 9.5 hr

Notes:

1. All battery life claims are approximate maximum and based on results using the MobileMark® 2014, MobileMark 2018, 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 and depends 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 round tip (3-pin) AC adapter, 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
15.6"	HD (1366x768)	None	TN	220 nits	Anti-glare	16:9	400:1	45% NTSC	90°
15.6"	FHD (1920x1080)	None	TN	220 nits	Anti-glare	16:9	400:1	45% NTSC	90°
15.6"	FHD (1920x1080)	None	TN	250 nits	Anti-glare	16:9	400:1	45% NTSC	90°
15.6"	FHD (1920x1080)	None	IPS	250 nits	Anti-glare	16:9	700:1	45% NTSC	170°
15.6"	FHD (1920x1080)	None	IPS	300 nits	Anti-glare	16:9	800:1	45% NTSC	170°

Touchscreen

Non-touch

Notes:

- 1. California Electronic Waste Recycling Fee
In California, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product.
For more information, go to <https://www.calrecycle.ca.gov/Electronics/Consumer>

Input Device

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^[1]

Dimensions (WxDxH)

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

Weight

Around 1.6 kg (3.53 lbs)

Case Color

Cloud grey

Surface Treatment

IMR (in-mold decoration by roller)

Case Material

PC + ABS (top), PC + ABS (bottom)

Notes:

- 1. The system dimensions and weight vary depending on configurations.

CONNECTIVITY

Network

Ethernet

No Ethernet

WLAN + Bluetooth®^[1]**

- 802.11ac 2x2 Wi-Fi® + Bluetooth 5.0, M.2 card
- Wi-Fi 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.0, M.2 card

Notes:

1. Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitation

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 Card reader
- 1x Headphone / microphone combo jack (3.5mm)
- 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;
USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 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 on power button
- No fingerprint reader

BIOS Security

- Administrator password
- Power-on password
- Hard disk password (M.2 SSD models only)

Other Security

Camera privacy shutter

SERVICE**Warranty****Base Warranty**^[1]**

- 1-year courier or carry-in service
- 1-year mail-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. More information 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).

CERTIFICATIONS

Green Certifications

Green Certifications

- ENERGY STAR® 8.0
- ErP Lot 3
- RoHS compliant

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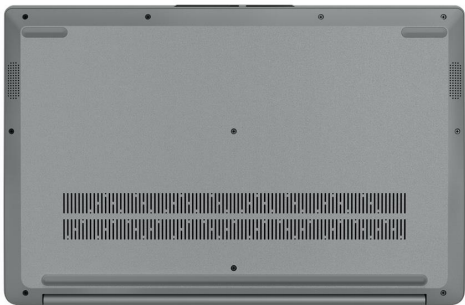
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