

OVERVIEW



1. Power connector	5. Card reader
2. HDMI	6. USB 3.2 Gen 1
3. USB-C 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort 1.4)	7. USB 3.2 Gen 1 (Always On)
4. Headphone / microphone combo jack (3.5mm)	

PERFORMANCE

Processor

Processor Family

AMD Ryzen™ 5 / 7 Processor

Processor**

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
AMD Ryzen 5 5600H	6	12	3.3GHz	4.2GHz	3MB L2 / 16MB L3	DDR4-3200	AMD Radeon™ Graphics
AMD Ryzen 7 5800H	8	16	3.2GHz	4.4GHz	4MB L2 / 16MB L3	DDR4-3200	AMD Radeon Graphics

Operating System

Operating System**

- Windows® 11 Pro 64
- Windows 11 Home 64
- No operating system

Graphics

Graphics

Graphics	Type	Memory	Boost Clock	TGP	Key Features
NVIDIA® GeForce® RTX™ 3050 Laptop GPU	Discrete	4GB GDDR6	712 MHz / 1057 MHz	55W	Advanced Optimus, Resizable BAR, Dynamic Boost 2.0, DirectX® 12 Ultimate

Monitor Support

Monitor Support

Supports up to 3 independent displays (native display and 2 external monitors via HDMI® and USB-C)

- HDMI supports up to up to 3840x2160@30Hz
- USB-C supports up to 5120x2880@60Hz

Chipset

Chipset

AMD SoC (System on Chip) platform

Memory

Max Memory^[1]

16GB soldered memory, not upgradable

Memory Slots

Memory soldered to systemboard, no slots, dual-channel

Memory Type

DDR4-3200

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 2280 SSD

Storage Slot

One M.2 2280 PCIe® Gen 3x4 slot, supports M.2 2242/2280 SSD

Storage Type

Disk Type	Interface	Offering
M.2 2280 SSD	PCIe NVMe®, PCIe 3.0 x4	1TB

Notes:

- 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.

Removable Storage**Optical**

None

Card Reader

4-in-1 card reader (SD, SDHC, SDXC, MMC)

Multi-Media**Audio Chip**

High Definition (HD) Audio, Realtek® ALC3287 codec

Speakers

Stereo speakers, 2W x2, optimized with Dolby® Atmos®

Microphone

Dual array microphone

Camera

720p (HD) webcam with IR, fixed focus, with ToF sensor

Battery**Battery**

Integrated Li-Polymer 75Wh battery, supports Rapid Charge Express (get 3 hours of runtime with a 15-minute charge)

Max Battery Life^[1]

MobileMark® 2018@200nits: 9.4 hr

Local video (1080p) playback@150nits: 12.8 hr

Notes:

- 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]}**

- 95W USB-C (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 135W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz

Notes:

- AC adapter offerings depend on the country.

DESIGN**Display****Display^{**[1][2]}**

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Key Features
16.0"	2.5K WQXGA (2560x1600)	Multi-touch	IPS	400 nits	Glossy	16:10	1200:1	100% sRGB	170°	TÜV Low Blue Light
16.0"	2.5K WQXGA (2560x1600)	Multi-touch	IPS	500 nits	Glossy	16:10	1200:1	100% sRGB	170°	Refresh rate 120Hz (Max), VESA

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;
FireWire 400: 400 Mbit/s;
FireWire 800: 800 Mbit/s

SECURITY & PRIVACY

Security

Security Chip

Firmware TPM 2.0 integrated in chipset

Fingerprint Reader

No fingerprint reader

BIOS Security

- Administrator password
- User password
- Master hard disk password
- User hard disk password

Other Security

IR camera for Windows Hello

SERVICE

Warranty

Base Warranty**^[1]

- 1-year depot service
- 1-year depot with 2-year system board service (Korea only)
- 2-year (1-yr battery) depot 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).

ACCESSORIES

Bundled Accessories

Bundled Accessories

None

CERTIFICATIONS

Green Certifications

Green Certifications

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

Other Certifications

Other Certifications

- TÜV Rheinland® Eyesafe® Display
- TÜV Rheinland Low Blue Light (Hardware Solution)

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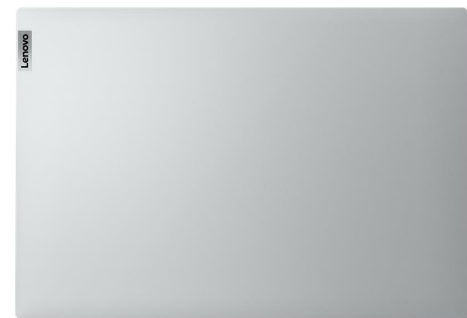
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