

OVERVIEW



1. NOVO button hole	5. HDMI
2. Card reader	6. USB-C 3.2 Gen 1
3. 2x USB 3.2 Gen 1 (one Always On)	7. Headphone / microphone combo jack (3.5mm)
4. USB-C 3.2 Gen 1 (data transfer / PD 3.0 only)	

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 5600U	6	12	2.3GHz	4.2GHz	3MB L2 / 16MB L3	DDR4-3200	AMD Radeon™ Graphics
AMD Ryzen 7 5800U	8	16	1.9GHz	4.4GHz	4MB L2 / 16MB L3	DDR4-3200	AMD Radeon Graphics

Operating System

Operating System**

- Windows® 11 Pro 64
- Windows 11 Home 64
- Windows 10 Pro 64
- Windows 10 Home 64
- No operating system

Graphics

Graphics**

Graphics	Type	Memory	Key Features
AMD Radeon Graphics	Integrated	Shared	DirectX® 12
NVIDIA® GeForce MX450	Discrete	2GB GDDR6	DirectX 12

Monitor Support

Monitor Support^[1]

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

- HDMI supports up to 4096x2160@24Hz
- USB-C supports up to 7680x4320@30Hz

Notes:

1. Recommend to use Lenovo® trusted/compatible cables & adapters to connect the external monitor(s). Please find them on the Lenovo SmartFind website based on the Machine Type (MT) number of your device.
[Cables & Adapters on Lenovo SmartFind](#)

Chipset

Chipset

AMD SoC (System on Chip) platform

Memory

Max Memory^[1]

- 8GB soldered memory, not upgradable
- 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 512GB M.2 2242 SSD or 1TB M.2 2280 SSD

Storage Type**

Disk Type	Interface	RPM	Security
M.2 2242 SSD	PCIe® NVMe®, PCIe 3.0 x4	-	-
M.2 2280 SSD	PCIe NVMe, PCIe 3.0 x4	-	-

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.

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

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

Battery

Battery

Integrated Li-Polymer 56.5Wh battery, supports Rapid Charge Boost (get 2 hours of runtime with a 15-minute charge)

Max Battery Life^[1]

MobileMark® 2018@200nits: 10 hr

Local video (1080p) playback@150nits: 15 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 USB-C slim (2-pin, wall-mount) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:

1. AC adapter offerings depend on the country.

DESIGN

Display

Display

**[]

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Key Features
14.0"	2.2K (2240x1400)	Multi-touch	IPS	300 nits	Glossy	16:10	1500:1	100% sRGB	170°	-
14.0"	2.2K (2240x1400)	None	IPS	300 nits	Anti-glare	16:10	1500:1	100% sRGB	170°	-
14.0"	2.8K QWXGA+ (2880x1800)	None	IPS	400 nits	Anti-glare	16:10	1500:1	100% sRGB	170°	Refresh rate 60Hz/90Hz

Touchscreen

- OGM (On-glass Metal mesh) Direct Bonding, capacitive-type multi-touch, supports 10-point touch
- 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

Keyboard Backlight

- LED 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)

312.2 x 221 x 15.99-17.99 mm (12.29 x 8.7 x 0.63-0.71 inches)

Weight

Models	Weight
Discrete graphics models	Around 1.41 kg (3.11 lbs)
Integrated graphics models	Around 1.38 kg (3.04 lbs)

Case Color**

- Cloud grey
- Storm grey

Surface Treatment

Aluminium stamping (anodized)

Case Material

Aluminium (top), aluminium (bottom)

Notes:

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

CONNECTIVITY

Network

Onboard Ethernet

No Ethernet

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 5.1, 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 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 1x USB-C 3.2 Gen 1 (support data transfer and Power Delivery 3.0)
- 1x USB-C 3.2 Gen 1 (support data transfer, Power Delivery 3.0, and DisplayPort™ 1.4)
- 1x HDMI 1.4b
- 1x Card reader
- 1x Headphone / microphone combo jack (3.5mm)

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

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
- 3-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).

CERTIFICATIONS

Green Certifications

Green Certifications

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

Other Certifications

Other Certifications

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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