

OVERVIEW



1. Power button	3. Headphone / microphone combo jack (3.5mm)
2. USB 3.2 Gen 1 (Always On)	4. 2x USB-C 3.2 Gen 2

PERFORMANCE

Processor

Processor Family

AMD Ryzen™ 5 / 7 / 9 Processor

Processor**

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
AMD Ryzen 7 5800HS Creator Edition	8	16	3.2GHz	4.4GHz	4MB L2 / 16MB L3	LPDDR4x-4266	AMD Radeon™ Graphics
AMD Ryzen 9 5900HS Creator Edition	8	16	3.3GHz	4.6GHz	4MB L2 / 16MB L3	LPDDR4x-4266	AMD Radeon Graphics

Operating System

Operating System**

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

Graphics

Graphics

Graphics	Type	Memory	Key Features
NVIDIA® GeForce MX450	Discrete	2GB GDDR6	DirectX® 12

Monitor Support

Monitor Support

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

- USB-C supports up to 3840x2160@60Hz

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

LPDDR4x-4266

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® 3.0 x4 slot

Storage Type

Disk Type	Interface	Offering
M.2 2280 SSD	PCIe NVMe®, PCIe 3.0 x4	512GB / 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

No card reader

Multi-Media**Audio Chip**

High Definition (HD) Audio, Realtek® ALC3306 codec

Speakers

Stereo speakers, 2W x2, optimized with Dolby® Atmos®, audio by Harman

Microphone

Dual-microphone array

Camera

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

Sensor**Sensors**

- Ambient light sensor (ALS)
- Hall sensor
- ToF sensor

Battery**Battery**

Integrated Li-Polymer 61Wh battery, supports Rapid Charge Pro (charge up to 50% in 30min)

Max Battery Life^[1]

MobileMark® 2018@200nits: 8.6 hr

Local video (1080p) playback@150nits: 11.8 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

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
------	------------	-------	------	------------	---------	--------------	----------------	-------------	---------------	--------------

14"	2.8K (2880x1800)	None	OLED	400 nits	Glossy	16:10	1000000:1	100% DCI-P3	170°	Refresh rate 90Hz (MAX), VESA DisplayHDR™ True Black 500, Dolby Vision™
-----	---------------------	------	------	----------	--------	-------	-----------	----------------	------	--

Touchscreen

Non-touch

Notes:

- 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>
- 90Hz adaptive refresh rate

Input Device**Keyboard**

6-row, multimedia Fn keys

Keyboard Backlight

LED backlight

Touchpad

Buttonless glass surface multi-touch touchpad, supports Precision TouchPad (PTP), 75 x 120 mm (2.95 x 4.72 inches)

Mechanical^[1]**Dimensions (WxDxH)**

312.4 x 221.4 x 14.9 mm (12.29 x 8.72 x 0.59 inches)

Weight

Around 1.4 kg (3.09 lbs)

Case Color**

- Light silver
- Slate grey

Surface Treatment

Anodizing sandblasting

Case Material

Aluminium (top), glass (display cover), aluminium (bottom)

Notes:

- The system dimensions and weight vary depending on configurations.

CONNECTIVITY**Network****Ethernet**

No onboard Ethernet

WLAN + Bluetooth^[1]

Wi-Fi® 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 card

Notes:

- 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 (Always On)
- 2x USB-C 3.2 Gen 2 (support data transfer, Power Delivery 3.0, and DisplayPort™ 1.4)
- 1x Headphone / microphone combo jack (3.5mm)

Notes:

- 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-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

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

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

- Feature with ** means that only one offering listed under the feature is configured on selected models.
- Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. LENOVO PROVIDES THIS PUBLICATION “AS IS,” WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions, therefore this disclaimer may not apply to you.
- The specifications on this page may not be available in all regions, and may be changed or updated without notice.



AMD



AMD

AMD



AMD



AMD



AMD