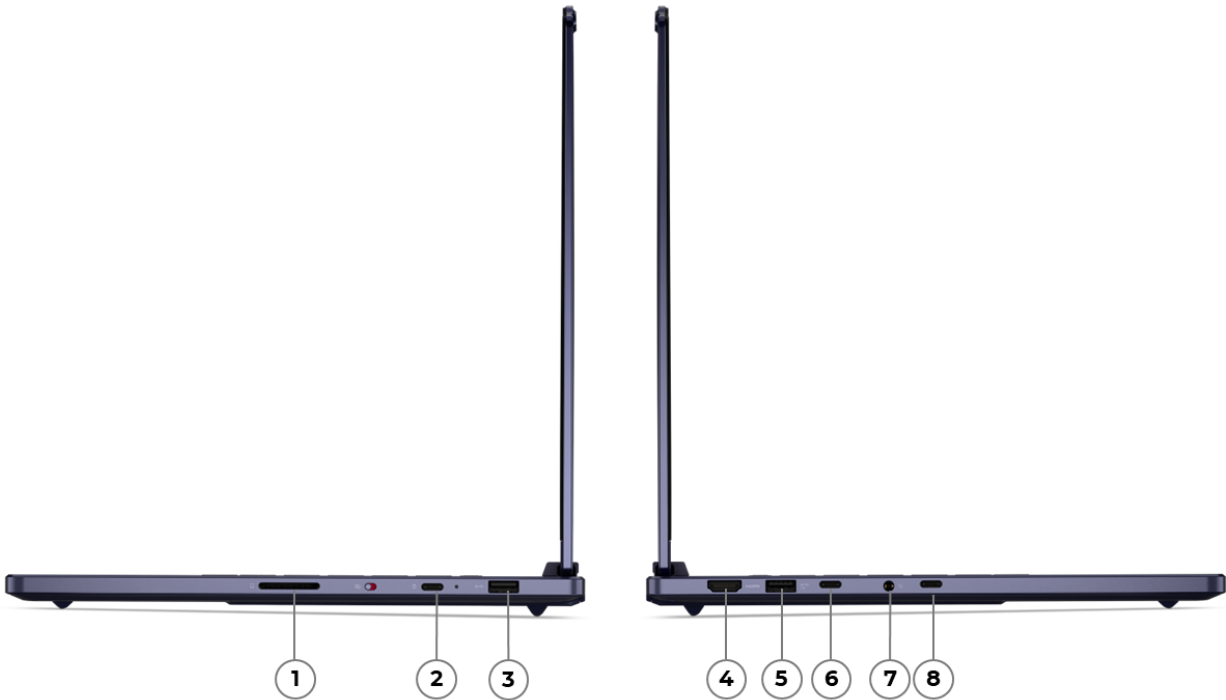


OVERVIEW



1. Card reader	5. USB-A (USB 10Gbps), Always On
2. USB-C (USB4 40Gbps), with USB PD 65-180W & DP 2.1	6. USB-C (USB4 40Gbps), with USB PD 65-100W & DP 2.1
3. USB-A (USB 10Gbps)	7. Headphone / microphone combo jack (3.5mm)
4. HDMI	8. USB-C (USB 10Gbps), with USB PD 65-100W & DP 2.1

PERFORMANCE

Processor

Processor Family

AMD Ryzen™ AI Max 300 Series

Processor**

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU	Overall TOPS
AMD Ryzen™ AI Max+ 388	8	16	3.6GHz	5.0GHz	8MB L2 / 32MB L3	AMD Radeon™ 8060S	AMD Ryzen™ AI, up to 50 TOPS	Up to 118 TOPS
AMD Ryzen™ AI Max+ 392	12	24	3.2GHz	5.0GHz	12MB L2 / 64MB L3	AMD Radeon™ 8060S	AMD Ryzen™ AI, up to 50 TOPS	Up to 122 TOPS

AI (Artificial Intelligence)

AI PC Category

Copilot+ PC^[1]

NPU

Integrated AMD Ryzen™ AI, up to 50 TOPS

Notes:

[1] Copilot+ PCs have at least 16GB RAM, 256GB storage, and a NPU that runs 40+ TOPs to run the latest AI tools build-in latest Windows® 11 to accelerate productivity and creativity.

Operating System

Operating System**

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- No preload operating system

Graphics

Graphics

Graphics	Type	Memory	Key Features
AMD Radeon™ 8060S	Integrated	Shared	DirectX® 12

Monitor Support

Monitor Support

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and USB-C®)

- HDMI® supports up to 8K@60Hz
- USB-C® supports up to 8K@60Hz

Chipset

Chipset

AMD SoC (System on Chip) platform

Memory

Max Memory

- 32GB soldered memory, not upgradable
- 64GB soldered memory, not upgradable

Memory Slots

Memory soldered to systemboard, no slots

Memory Type

LPDDR5X-8000

Storage

Max Storage Support^[1]

Up to two drives, 2x M.2 SSD

- M.2 2242 SSD up to 1TB each

Storage Slot^[2]

Two M.2 slots

- One M.2 2242 PCIe® 4.0 x4 slot
- One M.2 2280 PCIe® 4.0 x4 slot

Storage Type

Disk Type	Interface	Offering
M.2 2242 SSD	PCIe® NVMe®, PCIe® 4.0 x4	512GB / 1TB

Notes:

[1] The storage capacity supported is based on the test results with current Lenovo® storage offerings.

[2] The actual data transfer rate of the following PCIe® interface also depends on the capabilities of the connected PCIe® device. The listed values represent theoretical maximums.

PCIe® 3.0 (x2 / x4): 2 GB/s (16 Gbps) / 4 GB/s (32 Gbps);

PCIe® 4.0 (x2 / x4): 4 GB/s (32 Gbps) / 8 GB/s (64 Gbps);

PCIe® 5.0 (x2 / x4): 8 GB/s (64 Gbps) / 16 GB/s (128 Gbps).

Removable Storage

Optical

None

Card Reader

SD card reader

Multi-Media

Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

Speakers

4 stereo speakers, 1.2W x2 (woofers), 1W x2 (tweeters), optimized with Nahimic Audio, Smart Amplifier (AMP)

Microphone

Dual-microphone array

Camera

5.0MP + IR, with E-shutter, fixed focus

Battery

Battery

84Wh Rechargeable Li-ion Battery, supports Rapid Charge Pro (charge up to 50% in 30min)

Max Battery Life^[1]

MobileMark® 30@250nits: 10 hr

Local video (1080p) playback@150nits: 13.3 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^[1]

- 180W USB-C® GaN (3-pin) AC adapter, supports PD 3.1, 100-240V, 50-60Hz
- No power adapter

Notes:

[1] AC adapter offerings depend on the country.

DESIGN

Display

Display

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
15.3"	WQXGA (2560x1600)	Non-touch	OLED	1100nits (HDR peak) / 500nits (SDR typical)	Glossy	16:10	1,000,000:1	100% DCI-P3	165Hz	89° / 89° / 89° / 89°	DisplayHDR™ True Black 1000, AMD FreeSync™, TÜV Rheinland® Low Blue Light, TÜV Rheinland® Flicker Free

Touchscreen

Non-touch

Screen-to-Body Ratio

92% AAR (active area ratio)

Color Calibration

X-Rite® factory color calibration

Input Device

Pen

No support

Keyboard

6-row, multimedia Fn keys, Copilot key, key travel 1.5mm, cap recess 0.3mm

Keyboard Backlight

1-Zone RGB backlight

Touchpad

Buttonless glass surface multi-touch touchpad, supports Precision TouchPad (PTP), 80 x 135 mm (3.15 x 5.31 inches)

Mechanical

Dimensions (WxDxH)^[1]

345.21 x 244.05 x 15.5-15.9 mm (13.59 x 9.61 x 0.61-0.63 inches)

Weight^[2]

Less than 1.55 kg (3.42 lbs)

Case Color

Nebula

Case Material

Aluminium (top), aluminium (bottom)

Surface Treatment

Anodizing sandblasting

System Lighting

RGB lighting on power button

Notes:

[1] The system dimensions may vary depending on configurations.

[2] The system weight is approximate and based on results in Lenovo® 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

WLAN + Bluetooth^[1]

Wi-Fi® 7, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.4

WWAN

No support

Ethernet

No onboard Ethernet

Notes:

[1] Wi-Fi® operation (including Wi-Fi® 6, Wi-Fi® 6E, Wi-Fi® 7, etc.) is subject to the regulatory requirements of each country. Bluetooth® may operate at a lower version than hardware design depending on the factors such as operating system, driver, etc.

Ports^[1]

Standard Ports

- 1x USB-A (USB 10Gbps), Always On, with 10W output
- 1x USB-A (USB 10Gbps), with 4.5W output
- 1x USB-C® (USB 10Gbps), with USB PD 65-100W input / 15W output and DisplayPort™ 2.1^[2]
- 1x USB-C® (USB4® 40Gbps), with USB PD 65-100W input / 15W output and DisplayPort™ 2.1^[3]
- 1x USB-C® (USB4® 40Gbps), with USB PD 65-180W input / 15W output and DisplayPort™ 2.1
- 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Card reader

Notes:

[1] The transfer speed of the 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.

[2], [3] Support Lenovo® protocol on 140W (20V/7A) charging, but requires a unique Lenovo® adapter for operation.

Docking

Docking

Various docking solutions supported via USB-C®.

For more compatible docking solutions, please visit [Docking for Legion 7 15ASH11](#)

SECURITY & PRIVACY

Security

Security Chip

Firmware TPM 2.0 integrated in SoC

Fingerprint Reader

No fingerprint reader

BIOS Security

- Administrator password
- Hard disk password
- Master hard disk password
- Power-on password
- User hard disk password
- User password
- Self-healing BIOS
- More BIOS security features, please visit [BIOS Simulator](#)

Other Security

- E-shutter
- IR camera for Windows® Hello (facial recognition)

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

ACCESSORIES

Bundled Accessories

Bundled Accessories^[1]

- Anti-Reflection screen protector
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for Legion 7 15ASH11](#).

OPERATING REQUIREMENTS

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)

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^[1]

Green Certifications^[2]

- ENERGY STAR® 9.0
- ErP Lot 6/26
- 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 for more information.

Other Certifications

Other Certifications

- Pantone® SkinTone™ Validated
- Pantone® Validated
- TÜV Rheinland® Flicker Free
- TÜV Rheinland® Low Blue Light (Hardware Solution)

- Feature with ** means that only one option listed under the feature can be configured on selected models. Please refer to the model configuration for specific information.
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