

## OVERVIEW



1. Headphone / microphone combo jack (3.5mm)	6. USB-A (USB 5Gbps)
2. USB-A (USB 5Gbps)	7. HDMI
3. Ethernet (RJ-45)	8. USB-A (USB 5Gbps), Always On
4. USB-C (USB4 40Gbps), with USB PD 65-100W & DP 1.4	9. Power connector
5. USB-C (USB4 40Gbps), with USB PD 65-100W & DP 1.4	

## PERFORMANCE

### Processor

#### Processor Family

AMD Ryzen™ 7 200 Series Processor

#### Processor

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU	Overall TOPS
AMD Ryzen™ 7 250	8	16	3.3GHz	5.1GHz	8MB L2 / 16MB L3	AMD Radeon™ 780M	AMD Ryzen™ AI, up to 16 TOPS	Up to 38 TOPS

### AI (Artificial Intelligence)

#### AI PC Category

AI-Powered Gaming PC<sup>[1]</sup>

#### NPU

Integrated AMD Ryzen™ AI, up to 16 TOPS

Notes:

[1] AI-Powered Gaming PCs feature Lenovo® AI Engine+ and NVIDIA® GeForce RTX™ GPUs to handle AI-driven tasks and deliver exceptional gaming performance.

### Operating System

#### Operating System\*\*

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

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	Boost Clock	TGP	AI TOPS (Peak)	Key Features
NVIDIA® GeForce RTX™ 5050 Laptop GPU	Discrete	8GB GDDR7	2662 MHz	115W	440 TOPS	DLSS 4, DirectX® 12 Ultimate
NVIDIA® GeForce RTX™ 5060 Laptop GPU	Discrete	8GB GDDR7	2497 MHz	115W	572 TOPS	DLSS 4, DirectX® 12 Ultimate
NVIDIA® GeForce RTX™ 5070 Laptop GPU	Discrete	8GB GDDR7	2347 MHz	115W	798 TOPS	DLSS 4, DirectX® 12 Ultimate

### Monitor Support

#### Monitor Support<sup>[1]</sup>

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

Notes:

[1] For Max resolution, DSC-enabled display is required.

### Chipset

#### Chipset

AMD SoC (System on Chip) platform

### Memory

#### Max Memory<sup>[1]</sup>

Up to 32GB DDR5-5600 offering

## Memory Slots

Two DDR5 SODIMM slots, dual-channel capable

## Memory Type

DDR5-5600

Notes:

[1] The max memory is based on the test results with current Lenovo® memory offerings.

## Storage

### Max Storage Support<sup>[1]</sup>

Up to two drives, 2x M.2 SSD  
 • M.2 2242 SSD up to 2TB each

### Storage Slot<sup>[2]</sup>

Two M.2 2280 PCIe® 4.0 x4 slots

### Storage Type

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

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

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, audio by HARMAN, optimized with Nahimic Audio

### Microphone

Dual-microphone array

### Camera

5.0MP, with E-shutter, fixed focus

## Battery

### Battery

80Wh Rechargeable Li-ion Battery, supports Rapid Charge Pro (charge up to 50% in 30min)

### Max Battery Life<sup>[1]</sup>

MobileMark® 30@250nits: 10.2 hr  
 Local video (1080p) playback@150nits: 12.1 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

- 245W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz
- No power adapter

## Special Features

### Special Features

AI Chip: LA1

## DESIGN

## Display

### Display<sup>[1]</sup>

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	1000nits (HDR peak) / 500nits (SDR typical)	Glossy	16:10	1,000,000:1	100% DCI-P3	165Hz	89° / 89° / 89° / 89°	DisplayHDR™ True Black 1000, NVIDIA® G-SYNC®, Advanced Optimus, TÜV Rheinland® Low Blue Light, TÜV Rheinland® Flicker Free, TÜV Rheinland® High Gaming Performance

### Touchscreen

Non-touch

### Screen-to-Body Ratio

92% AAR (active area ratio)

### Color Calibration

X-Rite® factory color calibration

Notes:

[1] G-SYNC® and Advanced Optimus require the latest NVIDIA® driver.

## Input Device

### Pen

No support

### Keyboard

6-row, multimedia Fn keys, numeric keypad, key travel 1.6mm, cap recess 0.3mm, Copilot key

### Keyboard Backlight\*\*

- 1-Zone RGB backlight
- 24-Zone RGB backlight

### Touchpad

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

## Mechanical

### Dimensions (WxDxH)<sup>[1][2]</sup>

344 x 244.5 x 18.95-19.95 mm (13.54 x 9.63 x 0.75-0.79 inches)

**Weight<sup>[3]</sup>**

Starting at 1.87 kg (4.12 lbs)

**Case Color**

Eclipse black

**Case Material**

Aluminium (top), PC-ABS (bottom)

**Surface Treatment**

Anodizing sandblasting (top), painting (bottom)

**System Lighting**

No system lighting

Notes:

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

[2] The height does not include the bump 1.45mm.

[3] 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®\*\*<sup>[1]</sup>**

- Wi-Fi® 6, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card
- Wi-Fi® 7, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.4, M.2 card

**WWAN**

No support

**Ethernet**

Gigabit Ethernet, 1x RJ-45

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

**Standard Ports<sup>[1]</sup>**

- 2x USB-A (USB 5Gbps)
- 1x USB-A (USB 5Gbps), Always On
- 2x USB-C® (USB4® 40Gbps), with USB PD 65-100W and DisplayPort™ 1.4<sup>[2]</sup>
- 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)
- 1x Slim tip Power connector

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] Supports Lenovo® protocol for 140W 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 5 15AHP11](#)

## SECURITY & PRIVACY

## Security

### Security Chip

Firmware TPM 2.0 integrated in SoC

### Fingerprint Reader

No fingerprint reader

### BIOS Security

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

### Other Security

E-shutter

## 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<sup>[1]</sup>

- Anti-Reflection screen protector
- Lenovo® Legion™ M220 Wireless RGB Gaming Mouse
- None

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for Legion 5 15AHP11](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

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<sup>[1]</sup>

### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 9.0
- EPEAT™ Gold Registered
- 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] EPEAT™ registration and ENERGY STAR® certification are optional and only available on the models with preloaded OS. Please visit [epeat.net](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

## Other Certifications

### Other Certifications

- Pantone® SkinTone™ Validated
- Pantone® Validated
- TÜV Rheinland® Flicker Free
- TÜV Rheinland® High Gaming Performance
- 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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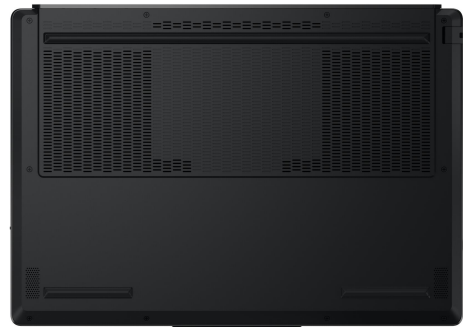
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