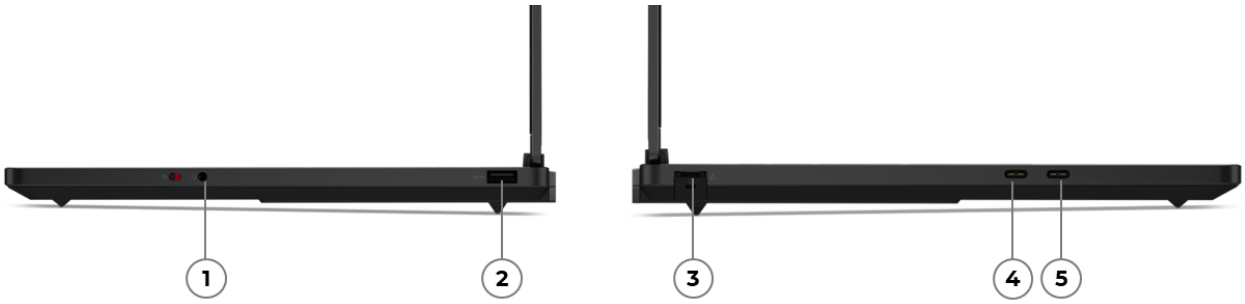
## OVERVIEW



| | |
|---|---|
| 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. Slim tip (rectangle) power connector |
| 5. USB-C (USB4 40Gbps), with USB PD 65-100W & DP 1.4 | |

# PERFORMANCE

## Processor

**Processor Family**

AMD Ryzen™ AI 7 / 9 400 Series Processor

**Processor****

| Processor Name | Cores | Threads | Base Frequency | Max Frequency | Cache | Processor Graphics | NPU | Overall TOPS |
|---|---|---|---|---|---|---|---|---|
| AMD Ryzen™ AI 7 450 | 8 | 16 | 2.0GHz | 5.1GHz | 8MB L2 / 16MB L3 | AMD Radeon™ 860M | AMD Ryzen™ AI, up to 50 TOPS | Up to 66 TOPS |
| AMD Ryzen™ AI 9 465 | 10 | 20 | 2.0GHz | 5.0GHz | 10MB L2 / 24MB L3 | AMD Radeon™ 880M | AMD Ryzen™ AI, up to 50 TOPS | Up to 73 TOPS |

## AI (Artificial Intelligence)

**AI PC Category**

- AI-Powered Gaming PC[1]
- Copilot+ PC[2]

**NPU**

Integrated AMD Ryzen™ AI, up to 50 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.

[2] 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 | 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 | 12GB GDDR7 | 2347 MHz | 115W | 798 TOPS | DLSS 4, DirectX® 12 Ultimate |

## Monitor Support

**Monitor Support[1]**

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**[1]

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**[1]

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

**Storage Slot**[2]

Two M.2 slots
• One M.2 2280 PCIe® 4.0 x4 slot
• One M.2 2280 PCIe® 4.0 x2 slot

**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 + IR, with E-shutter, fixed focus
- 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**[1]

MobileMark® 30@250nits: 10.8 hr
Local video (1080p) playback@150nits: 13.8 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 + LA3

# DESIGN

## Display

**Display**[1]

| 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)**[1][2]

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

**Weight**[3]

Starting at 1.87 kg (4.12 lbs)

**Case Color****

- Eclipse black
- Glacier white

**Case Material**

Aluminium (top), PC-ABS (bottom)

**Surface Treatment****

- Eclipse black models: Anodizing sandblasting (top), painting (bottom)
- Glacier white models: SUV Painting

**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®****[1]

- 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[1]

**Standard Ports**

- 1x USB-A (USB 5Gbps), Always On, with 10W output
- 2x USB-A (USB 5Gbps), with 4.5W output
- 2x USB-C® (USB4® 40Gbps), with USB PD 65-100W input / 15W output and DisplayPort™ 1.4[2]
- 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)
- 1x Slim tip (rectangle) 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] 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 5 15AGP11

# 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
- 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 5 15AGP11 .

# 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
- 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.

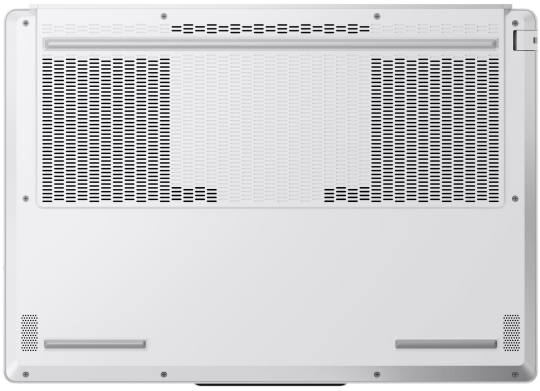
[2] EPEAT registration and ENERGY STAR® certification are optional and only available on the models with preloaded OS. Please visit epeat.net and energystar.gov for more information.

## Other Certifications

**Mil-Spec Test**

MIL-STD-810H military test passed

**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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