OVERVIEW



1. Volume buttons	12. Left Joystick
2. USB-C (USB4 40Gbps), with USB PD 65-100W & DP 1.4	13. Function buttons
3. LB & LT buttons	14. D-pad
4. Y1 & Y2 buttons	15. Function buttons
5. M1 & M2 buttons	16. USB-C (support charging only)
6. RB & RT buttons	17. A B X Y buttons
7. M3 & Y3 buttons	18. Function buttons
8. Left & right release buttons	19. Right Joystick
9. Headphone / microphone combo jack (3.5mm)	20. Touchpad
10. Card reader	21. USB-C (support charging only)
11. USB-C (USB4 40Gbps), with USB PD 65-100W & DP 1.4	22. FPS mode switch

PERFORMANCE

Processor

Processor Family

AMD Ryzen™ Z Series Processor

Processor

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
AMD Ryzen™ Z2	8	16	3.3GHz	5.1GHz	8MB L2 / 16MB L3	AMD Radeon™ Graphics

Operating System

Operating System**

- Windows® 11 Home
- Windows® 11 Home Single Language

Graphics

Graphics

Graphics	Type	Memory	Key Features
AMD Radeon™ Graphics	Integrated	Shared	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 4K@60Hz

Chipset

Chipset

AMD SoC (System on Chip) platform

Memory

Max Memory

- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable

Memory Slots

Memory soldered to systemboard, no slots

Memory Type[1]

LPDDR5X-7500

Notes:

[1] Installed memory is actually LPDDR5X-8533 but runs as LPDDR5X-7500 due to platform limitation.

Storage

Max Storage Support[1]

One drive, up to 1TB M.2 2242 SSD

Storage Slot[2]

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

Card Reader

microSD card reader

Multi-Media

Audio Chip

High Definition (HD) Audio

Speakers

Stereo speakers, 2W x2 (woofers)

Microphone

Dual-microphone array

Camera

No camera

Sensor

Sensors

- 6-axis Gyroscope sensor
- Ambient light sensor (ALS)
- Mouse sensor

Battery

Battery

74Wh Rechargeable Li-ion Battery, supports Rapid Charge (charge up to 50% in 30min)

Max Battery Life[1]

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, 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]

- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim (2-pin, wall-mount) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter

Notes:

[1] AC adapter offerings depend on the country.

Special Features

Special Features

Legion Coldfront 2.0 cooling system

DESIGN

Display

Display

Size	Resolution	Touch	Type	Brightness	Surface	Aspect	Contrast	Color	Refresh	Viewing	Key Features

						Ratio	Ratio	Gamut	Rate	Angle (L/R/U/D)	
8.8″	WUXGA (1920x1200)	Multi-touch	OLED	1100nits (HDR peak) / 500nits (SDR typical)	Glossy, anti-fingerprint	16:10	100,000:1	100% DCI-P3	144Hz	89° / 89° / 80° / 80°	Corning® Gorilla® Glass 3, DisplayHDR™ True Black 1000, TÜV Rheinland® Low Blue Light

Touchscreen

In-cell multi-touch, supports 10-point touch

Screen-to-Body Ratio

85.8% AAR (active area ratio)

Multi-mode

Multi-mode

Handheld mode: Play with controllers attached to enjoy the 8.8″ gamepad
Detachable mode: Flip the stand to share the gamepad, then share the fun with a multiplayer game
FPS mode: Flip the stand, turn on FPS mode and put the right controller on the dock
TV mode: Dock your system to enjoy games on TV (via USB4® port)

Input Device

Pen

No support

Touchpad

Buttonless Mylar® surface touchpad (on the right controller), 24 x 24 mm (0.94 x 0.94 inches)

Controls

A B X Y buttons
D-pad
Touchpad
FPS mode switch
Mouse wheel (on right controller)
Left & right Joysticks
Left & right release buttons
LB & LT buttons
RB & RT buttons
Y1 & Y2 buttons
M3 & Y3 buttons
M1 & M2 buttons
6x function buttons

Mechanical

Dimensions (WxDxH)[1]

Models	Dimensions
Gamepad	206 x 136.7 x 22.95 mm (8.11 x 5.38 x 0.90 inches)
Gamepad with controllers[2]	295.6 x 136.7 x 42.25 mm (11.64 x 5.38 x 1.66 inches)

Weight[3]

Models	Weight
Gamepad with controllers	Around 920 g (2.03 lbs)
Controllers only	Less than 210 g (0.46 lbs)

Case Color

Eclipse black

Case Material

PC-ABS (gamepad), PC-ABS (controllers)

Surface Treatment

Painting (gamepad), painting + special texture (controllers)

System Lighting

RGB lighting ring

Others

- Power button
- Volume keys

Notes:

[1] The system dimensions may vary depending on configurations.
[2] The height is 50.85 mm (2.08 inches) with the joysticks.
[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® 6E, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3

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

- 2x USB-C® (USB4® 40Gbps), with USB PD 65-100W input / 15W output and DisplayPort™ 1.4
- 2x USB-C® (support charging only)[2]
- 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] The ports on the controllers.

Docking

Docking

Various docking solutions supported via USB-C®.
For more compatible docking solutions, please visit Docking for Legion Go 8AHP2

SECURITY & PRIVACY

Security

Security Chip

Firmware TPM 2.0 integrated in SoC

Fingerprint Reader

Touch style fingerprint reader integrated in power button

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

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]

Carry bag (with controller dock), controller protecting cover (for FPS mode)

Notes:

[1] For more compatible accessory solutions, please visit Accessories for Legion Go 8AHP2.

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)
- At altitudes above 2438 m (8,000 ft)
  - Maximum temperature when operating under the unpressurized condition: 31.3°C (88°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

- 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.

Other Certifications

Other Certifications

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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