

OVERVIEW



|                                                   |                                   |
|---------------------------------------------------|-----------------------------------|
| 1. Volume buttons                                 | 12. Left Joystick                 |
| 2. USB-C (USB4 40Gbps), with USB PD 3.0 & 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 3.0 & 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 Extreme | 8     | 16      | 2.0GHz         | 5.0GHz        | 8MB L2 / 16MB L3 | AMD Radeon™ Graphics |

Operating System

Operating System\*\*

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

Graphics

Graphics

| Graphics             | Type       | Memory | TGP           | Key Features |
|----------------------|------------|--------|---------------|--------------|
| AMD Radeon™ Graphics | Integrated | Shared | Share CPU TDP | 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 8K@30Hz

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<sup>[1]</sup>

LPDDR5x-8000

Notes:

[1] Installed memory is actually LPDDR5x-8533 but runs as LPDDR5x-8000 due to platform limitation.

Storage

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

One drive, up to 1TB M.2 2242 SSD or 2TB M.2 2280 SSD

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

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 |
| M.2 2280 SSD | PCIe® NVMe®, PCIe® 4.0 x4 Performance | 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

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

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<sup>\*\*[1]</sup>

- 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 Ratio | Contrast Ratio | Color Gamut | Refresh Rate | Viewing Angle (L/R/U/D) | Key Features                                                               |
|------|-------------------|-------------|------|---------------------------------------------|--------------------------|--------------|----------------|-------------|--------------|-------------------------|----------------------------------------------------------------------------|
| 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 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)<sup>[1]</sup>

| Models                                  | Dimensions                                            |
|-----------------------------------------|-------------------------------------------------------|
| Gamepad                                 | 206 x 136.7 x 22.95 mm (8.11 x 5.38 x 0.90 inches)    |
| Gamepad with controllers <sup>[2]</sup> | 295.6 x 136.7 x 42.25 mm (11.64 x 5.38 x 1.66 inches) |

Weight<sup>[3]</sup>

| 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<sup>[1]</sup>**

Wi-Fi® 6E, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3

**WWAN**

No support

**Ethernet**

No onboard Ethernet

---

Notes:

[1] Bluetooth® may operate at a lower version than hardware design depending on the factors such as operating system, driver, etc.

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

**Standard Ports**

- 2x USB-C® (USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1
- 2x USB-C® (support charging only)<sup>[2]</sup>
- 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 8ASP2](#)

## SECURITY & PRIVACY

### Security

**Security Chip**

Microsoft® Pluton TPM 2.0 Enabled

**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

## 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
- No base warranty

## ACCESSORIES

### Bundled Accessories

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

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

Notes:

[1] For more compatible accessory solutions, please visit [Accessories for Legion Go 8ASP2](#).

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

#### 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.
- 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.

