OVERVIEW

1. USB4 40Gbps	13. Power button
2. 2x Function button	14. Headphone / microphone combo jack (3.5mm)
3. D-pad	15. Card reader
4. Left Joystick	16. USB4 40Gbps
5. Function button	17. Volume buttons
6. Function button	18. LB button
7. A B X Y buttons	19. Y1 & Y2 buttons
8. M1 / RB button	20. Mouse wheel
9. M2 button	21. M3 & Y3 buttons
10. Right Joystick	22. Right release button
11. Touchpad	23. Left release button
12. FPS mode switch	

PERFORMANCE

Processor

Processor Family

AMD Ryzen™ Z Series Processor

Processor**

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
AMD Ryzen™ Z1	6	12	3.2GHz	4.9GHz	6MB L2 / 16MB L3	LPDDR5x-7500	AMD Radeon™ Graphics
AMD Ryzen™ Z1 Extreme	8	16	3.3GHz	5.1GHz	8MB L2 / 16MB L3	LPDDR5x-7500	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

Chipset

Chipset

AMD SoC (System on Chip) platform

Memory

Max Memory

16GB soldered memory, not upgradable

Memory Slots

Memory soldered to systemboard, no slots

Memory Type

LPDDR5x-7500

Storage

Storage Support[1]

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

Storage Slot

One M.2 2242 PCIe® 4.0 x4 slot

Storage Type

Disk Type	Interface	Offering
M.2 2242 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB

Notes:

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

Removable Storage

Card Reader

microSD card reader

Multi-Media

Audio Chip

High Definition (HD) Audio

Speakers

Stereo speakers, 2W x2

Microphone

Dual-microphone array

Camera

No camera

Sensor

Sensors

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

Battery

Battery

Integrated Li-Polymer 49.2Wh battery, supports Super Rapid Charge (10min charge 0~30% capacity, 30min charge 0~70% capacity, 80min charge 0~100% capacity)

Max Battery Life[1]

- Controllers: 11 hr
- Gamepad with controllers:
  MobileMark® 25: 7.1 hr
  Local video (1080p) playback@150nits: 7.55 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 (wall-mount) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:

[1] AC adapter offerings depend on the country.

Special Features

Special Features

Legion Coldfront cooling system

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
8.8″	WQXGA (2560x1600)	Multi-touch	IPS	500nits	Glossy, anti-fingerprint	16:10	1500:1	97% DCI-P3	144Hz	89° / 89° / 80° / 80°	Corning® Gorilla® Glass 5

Touchscreen

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

Notes:

[1] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

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), 28.5 x 28.5 mm (1.12 x 1.12 inches)

Controls

A B X Y buttons
D-pad
Touchpad
FPS mode switch
Mouse wheel
Left & right Joysticks
Left & right release buttons
LB button
M1 / RB button
M2 button
Y1 & Y2 buttons
M3 & Y3 buttons
4x function buttons

Mechanical

Dimensions (WxDxH)[1]

Models	Dimensions
Carry bag	332 x 162 x 83 mm (13.07 x 6.38 x 3.27 inches)
Gamepad	210 x 131 x 20.1 mm (8.27 x 5.16 x 0.79 inches)
Gamepad with controllers	298.83 x 131 x 40.7 mm (11.76 x 5.16 x 1.60 inches)

Weight[2]

Models	Weight
Gamepad	Less than 640 g (1.41 lbs)
Gamepad with controllers	Less than 854 g (1.88 lbs)

Case Color

Shadow black

Surface Treatment

Painting (gamepad), laser special texture (controllers)

Case Material

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

Others

- Power button
- Volume keys

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

Ethernet

No onboard Ethernet

WLAN + Bluetooth®[1][2]

AMD Wi-Fi® 6E RZ616, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3

WWAN

No support

Notes:

[1] Bluetooth® may operate at a lower version than hardware design depending on the factors such as operating system, driver, etc.
[2] Wi-Fi® 6E full features might be limited by country-level restrictions.
6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.
Bluetooth® 5.3 operation requires Windows® 11. For more information please visit General Bluetooth® Support Information on Microsoft®.

Ports[1]

Standard Ports

- 2x USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Card reader
- 2x Pogo pin connector (5-point)

Notes:

[1] The transfer speed of following 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.
USB 2.0: 480 Mbit/s;
USB 3.2 Gen 1 (SuperSpeed USB 5Gbps, formerly USB 3.0 / USB 3.1 Gen 1): 5 Gbit/s;
USB 3.2 Gen 2 (SuperSpeed USB 10Gbps, formerly USB 3.1 Gen 2): 10 Gbit/s;
USB4® 20Gbps / USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;
USB4® 40Gbps (USB 40Gbps): 40 Gbit/s;
Thunderbolt™ 3/4: 40 Gbit/s.

SECURITY & PRIVACY

Security

Security Chip

Firmware TPM 2.0 integrated in SoC

Fingerprint Reader

No fingerprint reader

BIOS Security

- Administrator 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[1]

Notes:

[1] The BIOS simulator is just for reference. Default settings and some options may vary depending on the hardware, operating system and BIOS version.

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)

Notes:

[1] For more compatible accessory solutions, please visit Accessories for Legion Go 8APU1

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.

- 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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