



PERFORMANCE

Processor
AMD Ryzen™ 9 9955HX (16C / 32T, 2.5 / 5.4GHz, 16MB L2 / 64MB L3)

AI PC Category
AI-Powered Gaming PC

Graphics
NVIDIA® GeForce RTX™ 5060 8GB GDDR7, Boost Clock 2497MHz, TGP 115W, 572 AI TOPS

Chipset
AMD SoC Platform

Memory
2x 16GB SO-DIMM DDR5-5600

Memory Slots
Two DDR5 SO-DIMM slots, dual-channel capable

Max Memory^[1]
Up to 32GB DDR5-5600 offering

Storage
1TB SSD M.2 2280 PCIe® 4.0x4 NVMe®

Storage Slot^[2]
Two M.2 2280 PCIe® 4.0 x4 slots

Max Storage Support^[3]
Up to two drives, 2x M.2 SSD • M.2 2242 SSD up to 1TB • M.2 2280 SSD up to 1TB

Optical
None

Card Reader
None

Audio Chip
High Definition (HD) Audio, Realtek® ALC3306 codec

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

Microphone
2x, Array

Camera
5.0MP with E-shutter

Battery
80Wh

Power Adapter
245W Slim Tip (3-pin)

Special Features
AI Chip: LA3

DESIGN

Display
16” WQXGA (2560x1600) OLED 1100nits (peak) / 500nits (typical) Glossy, 100% DCI-P3, 165Hz, DisplayHDR™ True Black 1000, Dolby

Vision®, G-SYNC®, Low Blue Light, High Gaming Performance

Touchscreen
None

Screen-to-Body Ratio
91.7% AAR (active area ratio)

Color Calibration
Factory Color Calibration

Pen
Pen Not Supported

Keyboard
24-Zone RGB Backlit, Russian

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

Dimensions (WxDxH)^[4]
364.38 x 268.06 x 21.69-25.95 mm (14.35 x 10.55 x 0.85-1.02 inches)

Weight^[5]
Around 2.3 kg (5.07 lbs)

Case Color
Eclipse Black

Case Material
Aluminium (Top), PC-ABS (Bottom)

Surface Treatment
Anodizing Sandblasting

SOFTWARE

Operating System
None

Bundled Software
None

CONNECTIVITY

WLAN + Bluetooth
Wi-Fi® 7, 802.11be 2x2 + BT5.4^[6]

WWAN
Non-WWAN

Ethernet
100/1000M (RJ-45)

Standard Ports

- 2x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 10Gbps / USB 3.2 Gen 2), Always On
- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with DisplayPort™ 2.1
- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with USB PD 65-100W and DisplayPort™ 2.1^[7]
- 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)
- 1x Power connector

Docking
Various docking solutions supported via USB-C®. For more compatible docking solutions, please visit [Docking for Legion Pro 5 16AFR10](#)

SECURITY & PRIVACY

Security Chip
Firmware TPM 2.0 Enabled

Fingerprint Reader
None

Other Security
E-shutter

SERVICE

Base Warranty
2-year, Courier or Carry-in

Included Upgrade
CO2 Offset 1 ton (2nd Generation Carbon Offset Projects)

ACCESSORIES

Bundled Accessories
None

CERTIFICATIONS

Green Certifications

- ErP Lot 3
- RoHS compliant

Other Certifications

- TÜV Rheinland® Flicker Free
- TÜV Rheinland® High Gaming Performance
- TÜV Rheinland® Low Blue Light (Hardware Solution)

MODEL

TopSeller : No **EAN / UPC / JAN:** 198156539915
Announce Date: 2025-09-02 **End of Support** : 2031-09-07

Note:
^[1] The max memory is based on the test results with current Lenovo memory 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).
^[3] The storage capacity supported is based on the test results with current Lenovo storage offerings.
^[4] The system dimensions may vary depending on configurations.
^[5] 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.
^[6] Wi-Fi 7 operation is subject to the regulation rules in each country.
^[7] Supports Lenovo protocol for 140W charging but requires a unique Lenovo adapter for operation.
· Lenovo reserves the right to change specifications without notice.

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Free annual PC Health Check that allows our experts to spot issues before you do so they can resolve them quickly and help you avoid PC problems.

Accidental Damage Protection - Protection of your PC from the unexpected.

Experience shows that a significant portion of devices may be damaged (and not covered under warranty) in the first three years. Lenovo’s Accidental Damage Protection service covers accidents beyond the system warranty such as drops, spills, bumps and even electrical surges. Make sure your new device has maximum protection, avoid unplanned costs and get peace of mind.

Base Warranty - Included with the systems you purchase, default 1- or 3-year coverage window.

Warranty Extensions & Upgrades - Service and protection that’s right for your circumstances.

- Pick Up & Return Courier
- Onsite Support
- Technician Installed Customer
- Replaceable Unit Service
- International Warranty Upgrade

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Recommended Accessories



Lenovo Legion 17" Gaming Backpack GB800 (Light Gray) GX41U39300



Lenovo 245W AC Adapter (Slim tip)-EU GX21T87702



Lenovo 310 FHD Webcam Black GXC1S15024

Please click [here](#) to view the full list of accessories.



PSREF
Product Specifications
Reference