

PERFORMANCE**Processor**

Intel® Core Ultra 7 255HX, 20C (8P + 12E) / 20T, Max Turbo up to 5.2GHz, 30MB

AI PC Category

AI-Powered Gaming PC^[1]

NPU

Integrated Intel® AI Boost, up to 13 TOPS

Graphics

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

Chipset

Intel® HM870 Chipset

Memory

2x 16GB SO-DIMM DDR5-5600

Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

Max Memory^[2]

Up to 32GB DDR5-5600 offering

Storage

1TB SSD M.2 2242 PCIe® 4.0x4 NVMe®

Storage Slot

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 each

Optical

None

Card Reader

SD Card Reader

Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

Speakers

Stereo speakers, 2W x2, audio by HARMAN, optimized with Nahimic Audio, Smart Amplifier (AMP)

Microphone

2x, Array

Camera

5.0MP + IR with E-shutter

Battery

84Wh

Power Adapter

245W Slim Tip (3-pin)

Special Features

AI Chip: LA3

DESIGN**Display**

16" WQXGA (2560x1600) OLED 500nits (Typical) / 1100nits (Peak) Glossy, 100% DCI-P3, 240Hz, DisplayHDR™ True Black 1000, Dolby Vision®, G-SYNC®, Low Blue Light, High Gaming Performance, Flicker Free

Touchscreen

None

Color Calibration

Factory Color Calibration

Pen

Pen Not Supported

Keyboard

Per-key RGB Backlit, Russian

Touchpad

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

Dimensions (WxDxH)^[4]

361.7 x 263.4 x 15.9-17.9 mm (14.24 x 10.37 x 0.63-0.70 inches)

Weight^[5]

Less than 2.0 kg (4.52 lbs)

Case Color

Glacier White

Case Material

Aluminium (Top), Aluminium (Bottom)

Surface Treatment

Anodize Electrophoresis Deposition

SOFTWARE**Operating System**

None

Bundled Software

None

CONNECTIVITY**WLAN + Bluetooth^[6]**

Wi-Fi® 7, 802.11be 2x2 + BT5.4

WWAN

Non-WWAN

Ethernet

No Onboard Ethernet

Standard Ports

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with USB PD 65-100W and DisplayPort™ 2.1^[7]
- 1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), 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 Card reader
- 1x Power connector

Docking

Various docking solutions supported via Thunderbolt™ or USB-C®. For more compatible docking solutions, please visit [Docking for Legion 7 16IAX10](#)

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

None

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

Announce Date: 2025-06-03

EAN / UPC / JAN: 199271736531

End of Support : 2031-06-12

Note:

[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] The max memory is based on the test results with current Lenovo memory offerings.

[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.

Premium Care - Advanced Support from Real People. Real Fast.



REAL PERSON

Choose how you want to reach us - through the phone, chat or email - our expert technicians will take care of you.



HASSLE FREE

'Getting started' and 'how-to' assistance for hardware and software. Easy solutions that are simple to reach - that's how Premium Care delivers you the ideal support experience.

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 (Black) GX41U39299



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