

PERFORMANCE

Processor

AMD Ryzen™ 9 9955HX3D (16C / 32T, 2.5 / 5.4GHz, 16MB L2 / 128MB L3)

AI PC Category

AI-Powered Gaming PC

NPU

None

Graphics

NVIDIA GeForce RTX™ 5080 16GB GDDR7, Boost Clock 2287MHz, TGP 175W, 1334 AI TOPS

Chipset

AMD SoC Platform

Memory

2x 32GB SODIMM DDR5-5600

Memory Slots

Two DDR5 SODIMM slots, dual-channel capable

Max Memory^[1]

Up to 64GB DDR5-5600 offering

Storage

2TB SSD M.2 2280 PCIe® 5.0x4 Performance NVMe®

Storage Slot

Two M.2 slots • One M.2 2280 PCIe® 5.0 x4 slot • One M.2 2280 PCIe® 4.0 x4 slot

Max Storage Support^[2]

Up to two drives, 2x M.2 SSD • M.2 2280 SSD up to 2TB^[3]

Optical

None

Card Reader

No Card Reader

Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

Speakers

4 stereo speakers, 2W x2 (woofers), 2W x2 (tweeters), optimized with Nahimic Audio, Smart Amplifier (AMP)

Microphone

2x, Array

Camera

5.0MP with E-shutter

Battery

99.9Wh

Power Adapter

400W 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

Screen-to-Body Ratio

92% AAR (active area ratio)

Color Calibration

Factory Color Calibration

Pen

Pen Not Supported

Keyboard

Per-key RGB Backlit (with Lighting Lens), Bulgarian

Touchpad

Buttonless Mylar® surface multi-touch touchpad, 75 x 120 mm (2.95 x 4.72 inches)

Dimensions (WxDxH)^[4]

364.38 x 275.94 x 21.9-26.65 mm (14.35 x 10.86 x 0.86-1.05 inches)

Weight^[5]

Starting at 2.56 kg (5.64 lbs)

Case Color

Eclipse Black

Case Material

Aluminium (Top), Aluminium (Bottom)

Surface Treatment

Anodizing Sandblasting

SOFTWARE

Operating System

None

Bundled Software

None

CONNECTIVITY

WLAN + Bluetooth

Wi-Fi® 7, 802.11be 2x2 + BT5.4

WWAN

WWAN Not Supported

Ethernet

2.5GbE (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 USB PD 95-100W and DisplayPort™ 2.1^[6]
- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with DisplayPort™ 2.1

- 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (2.5GbE RJ-45)
- 1x Slim tip Power connector

Docking

Various docking solutions supported via USB-C®. For more compatible docking solutions, please visit [Docking for Legion Pro 7 16AFR10H](#)

SECURITY & PRIVACY

Security Chip

Firmware TPM 2.0 Enabled

Fingerprint Reader

No Fingerprint Reader

Other Security

E-shutter

SERVICE

Base Warranty

2-year, Courier or Carry-in

Included Upgrade

3Y Courier/Carry in from 2Y Courier/Carry in (CPN)

ACCESSORIES

Bundled Accessories

4 Switchable Keycaps

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: 199274189532

Announce Date: 2025-12-08 End of Support : 2031-09-30

Note:

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

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

[3] The system supports dual SSD via two M.2 slots, but Lenovo offers only one SSD configuration with a second slot for user self-expansion.

[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] Supports Lenovo protocol for 140W charging but requires a unique Lenovo adapter for operation.

- Please refer to the official [Lenovo store website](#) or contact a local Lenovo sales representative or authorized business partner for current inventory and purchase options.
- 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.



REAL FAST

Highly trained technicians will provide you real-time solutions, whatever the issue, on your first contact. If needed, our team will schedule an onsite visit for the next business day.



PC HEALTH CHECK

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

Lenovo may not offer the products, services or features discussed in this document in all regions. Lenovo may withdraw an offering at any time. Consult your local representative for information on offerings available in your area. 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.

Recommended Accessories

 United States of America



Lenovo Self-Charging Bluetooth Keyboard-French Canadian 058 4Y41R69498



Lenovo Wired VoIP Headset 5000 (Teams) 4XD1R88995



Lenovo Essential FHD Webcam Gen2 4XC1S15018

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

Lenovo

PSREF
Product Specifications
Reference