

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

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<sup>[2]</sup>**Up to two drives, 2x M.2 SSD • M.2 2280 SSD up to 2TB<sup>[3]</sup>**Optical**

None

**Card Reader**

None

**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)<sup>[4]</sup>**

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

**Weight<sup>[5]</sup>**

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 DisplayPort™ 2.1
- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with USB PD 65-100W and DisplayPort™ 2.1<sup>[6]</sup>

• 1x HDMI® 2.1, up to 8K/60Hz

• 1x Headphone / microphone combo jack (3.5mm)

• 1x Ethernet (2.5GbE RJ-45)

• 1x 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**

None

**Other Security**

E-shutter

**SERVICE****Base Warranty**

2-year, Courier or Carry-in

**Included Upgrade**

None

**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

Announce Date: 2025-10-08

EAN / UPC / JAN: 199273236817

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.

## 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  
4XD1R88995



Lenovo Essential FHD Webcam Gen2  
4XC1S15018

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

**Lenovo**

**PSREF**

Product Specifications  
Reference