# Legion Pro 7 16AFR10H 83RU003NBM

PSREF
Product Specifications Reference

## PERFORMANCE

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

**AI PC Category**
AI-Powered Gaming PC

**NPU**
None

**Graphics**
NVIDIA® GeForce RTX™ 5070 Ti 12GB GDDR7, Boost Clock 2220MHz, TGP 140W, 992 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**
1TB 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**
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)**[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** | : 199274189488 |
| **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.

### 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.

### 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.

### 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

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## Recommended Accessories

Bulgaria



Lenovo 350 Bluetooth Silent Mouse (Fan Edition - Brazil) GY51U71760




Lenovo 15.6 Laptop Everyday Backpack B510-ROW 4X41U80414



Lenovo Analog In-Ear Headphones Gen II Bulk Package (20pcs) 4XD1T54899

Please click here to view the full list of accessories.

Lenovo PSREF
Product Specifications Reference