Legion Pro 7 16AFR10H 83RU0002US





The product images are for illustration purposes only. Actual product appearance, ports, keyboard layout, and accessories may vary by model.

- AMD Ryzen™ 9 9955HX (16C / 32T, 2.5 / 5.4GHz, 16MB L2 / 64MB L3)
- 2x 16GB SODIMM DDR5-5600
- 2TB SSD M.2 2280 PCIe® 5.0x4 Performance NVMe®
- NVIDIA GeForce RTX™ 5070 Ti 12GB GDDR7, Boost Clock 2220MHz, TGP 140W, 992 AI TOPS
- Windows® 11 Home, English
- Case color - Eclipse Black
- 1-year, Courier or Carry-in

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

Product Illustration









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PERFORMANCE

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

AI PC Category
AI-Powered Gaming PC[1]

NPU
None

Graphics
NVIDIA GeForce RTX™ 5070 Ti 12GB GDDR7, Boost Clock 2220MHz, TGP 140W, 992 AI TOPS

Chipset
AMD SoC Platform

Memory
2x 16GB SODIMM DDR5-5600

Memory Slots
Two DDR5 SODIMM slots, dual-channel capable

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

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), English

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
Windows® 11 Home, English

Bundled Software
Office Trial

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), with 4.5W output
- 1x USB-A (USB 10Gbps), Always On
- 1x USB-C® (USB 10Gbps), with USB PD 95-100W and DisplayPort™ 2.1
- 1x USB-C® (USB 10Gbps), 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 (rectangle) 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
1-year, Courier or Carry-in

Included Upgrade
None

ACCESSORIES

Bundled Accessories
None

CERTIFICATIONS

Green Certifications
- ErP Lot 3
- RoHS compliant

Other Certifications
- Pantone® SkinTone™ Validated
- Pantone® Validated
- TÜV Rheinland® Flicker Free
- TÜV Rheinland® High Gaming Performance
- TÜV Rheinland® Low Blue Light (Hardware Solution)

MODEL

TopSeller	: No	**EAN / UPC / JAN**	: 199271660171
Announce Date	: 2025-09-13	**End of Support**	: 2031-09-30

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.

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