# Legion Pro 5 16AFR10 83F20045BM





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
- 2x 1TB SSD M.2 2280 PCIe® 4.0x4 NVMe®
- NVIDIA GeForce RTX™ 5070 8GB GDDR7, Boost Clock 2347MHz, TGP 115W, 798 AI TOPS
- Case color - Eclipse Black (with 24-Zone RGB Backlit Keyboard)
- 3Y Courier/Carry in from 2Y Courier/Carry in (CPN)

## 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

## Recommended Accessories Bulgaria



Lenovo Wireless VoIP Headset (USB-C, Teams)

4XD1W27286



Lenovo 900 Multi-Device Wireless Mouse

GY51V37443



Lenovo Select Targus 16-inch Mobile Elite Backpack

4X41W54716



Lenovo USB 20Gbps USB-C to USB-C Cable 1.5m

4X91U92143



Lenovo Legion 16" 16:10 Laptop Anti-Reflection Screen Protector

GXJ1U61429



Lenovo 245W AC Adapter (Slim tip)-EU

GX21T87702

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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]

**Graphics**
NVIDIA GeForce RTX™ 5070 8GB GDDR7, Boost Clock 2347MHz, TGP 115W, 798 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 32GB DDR5-5600 offering

**Storage**
2x 1TB SSD M.2 2280 PCIe® 4.0x4 NVMe®

**Storage Slot**[3]
Two M.2 2280 PCIe® 4.0 x4 slots

**Max Storage Support**[4]
Up to two drives, 2x M.2 SSD • M.2 2242 SSD up to 1TB • M.2 2280 SSD up to 1TB

**Optical**
None

**Card Reader**
No card reader

**Audio Chip**
High Definition (HD) Audio, Realtek® ALC3306 codec

**Speakers**
Stereo speakers, 2W x2, audio by HARMAN, optimized with Nahimic Audio

**Microphone**
2x, Array

**Camera**
5.0MP with E-shutter

**Battery**
80Wh

**Power Adapter**
245W Slim Tip (3-pin)

**Special Features**
AI Chip: LA3

## DESIGN

**Display**
16" WQXGA (2560x1600) OLED 1100nits (peak) / 500nits (typical) Glossy, 100% DCI-P3, 165Hz, DisplayHDR™ True Black 1000, Dolby Vision®, G-SYNC®, Low Blue Light, High Gaming Performance

**Touchscreen**
None

**Screen-to-Body Ratio**
91.7% AAR (active area ratio)

**Color Calibration**
Factory Color Calibration

**Pen**
Pen Not Supported

**Keyboard**
24-Zone RGB Backlit, Bulgarian

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

**Dimensions (WxDxH)**[5]
364.38 x 268.06 x 21.69-25.95 mm (14.35 x 10.55 x 0.85-1.02 inches)

**Weight**[6]
Around 2.3 kg (5.07 lbs)

**Case Color**
Eclipse Black (with 24-Zone RGB Backlit Keyboard)

**Case Material**
Aluminium (Top), PC-ABS (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**
100/1000M (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[7]
- 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (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 5 16AFR10

## 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 with 1-year Battery

**Included Upgrade**
3Y Courier/Carry in from 2Y Courier/Carry in (CPN)

## 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** | : 199274189341 |
| **Announce Date** | : 2025-12-08 | **End of Support** | : 2031-08-31 |

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 actual data transfer rate of the following PCIe interface also depends on the capabilities of the connected PCIe device. The listed values represent theoretical maximums. PCIe 3.0 (x2 / x4): 2 GB/s (16 Gbps) / 4 GB/s (32 Gbps); PCIe 4.0 (x2 / x4): 4 GB/s (32 Gbps) / 8 GB/s (64 Gbps); PCIe 5.0 (x2 / x4): 8 GB/s (64 Gbps) / 16 GB/s (128 Gbps).
[4] The storage capacity supported is based on the test results with current Lenovo storage offerings.
[5] The system dimensions may vary depending on configurations.
[6] 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.
[7] Supports Lenovo protocol for 140W charging but requires a unique Lenovo adapter for operation.

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- Lenovo reserves the right to change specifications without notice.