

Legion Pro 5 16AFR10 83F20044BM

PERFORMANCE

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

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

**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**<sup>[1]</sup>  
Up to 32GB DDR5-5600 offering

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

**Storage Slot**<sup>[2]</sup>  
Two M.2 2280 PCIe® 4.0 x4 slots

**Max Storage Support**<sup>[3]</sup>  
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**  
None

**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)**<sup>[4]</sup>  
364.38 x 268.06 x 21.69-25.95 mm (14.35 x 10.55 x 0.85-1.02 inches)

**Weight**<sup>[5]</sup>  
Around 2.3 kg (5.07 lbs)

**Case Color**  
Eclipse Black

**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<sup>[6]</sup>
- 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (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 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

**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**

- TÜV Rheinland® Flicker Free
- TÜV Rheinland® High Gaming Performance
- TÜV Rheinland® Low Blue Light (Hardware Solution)

MODEL

**TopSeller** : No **EAN / UPC / JAN:** 199274189303  
**Announce Date:** 2025-12-08 **End of Support** : 2031-08-31

Note:  
<sup>[1]</sup> The max memory is based on the test results with current Lenovo memory offerings.  
<sup>[2]</sup> 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).  
<sup>[3]</sup> The storage capacity supported is based on the test results with current Lenovo storage offerings.  
<sup>[4]</sup> The system dimensions may vary depending on configurations.  
<sup>[5]</sup> 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.  
<sup>[6]</sup> Supports Lenovo protocol for 140W charging but requires a unique Lenovo adapter for operation.

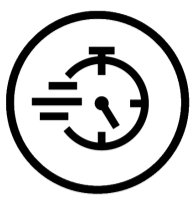
- Please refer to the official [Lenovo store website](#) or contact a local Lenovo sales representative or authorized business partner for current inventory and purchase options.
- Lenovo reserves the right to change specifications without notice.

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**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.

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- Onsite Support
- Technician Installed Customer
- Replaceable Unit Service
- International Warranty Upgrade

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**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.



**PSREF**  
Product Specifications  
Reference