

# Lenovo Legion Pro 7 (16", 10)

## Out-Play. Out-Perform. Out-Pro.

The Legion Pro 7 is a true desktop replacement, designed for esports grandmasters who also demand high FPS in AAA games. Powered by AMD Ryzen™ 9000 HX Series processors and 50 Series NVIDIA® GeForce RTX™ Laptop graphics, it delivers the ultimate gaming performance. Legion Coldfront: Vapor, featuring an integrated Hyperchamber, combines a triple fan system with a massive Vapor Chamber for up to 275W thermal performance. Rear RGB vents directs airflow away from you, reducing noise levels for a quieter, more focused esports experience. Lenovo AI Engine+ optimizes performance in real time, while the Lenovo PureSight OLED gaming display provides blazing fast refresh rates and low latency. With an aerospace-grade aluminum build, RGB lighting, a Legion TrueStrike keyboard, and Legion Space for custom overclocking and AI-driven game coaching, the Legion Pro 7 is built for elite esports.

### WHY YOU SHOULD BUY THE LENOVO LEGION PRO 7 (16", 10)



#### Apex Predator Gaming

The AMD Ryzen™ 9000 HX Series processor lineup was born to game, with some of the most incredible gaming performance a laptop has ever seen. No need to waste time on the competition, this is the technology every gamer has been waiting for.



#### Game Changer

Powered by NVIDIA Blackwell, GeForce RTX™ 50 Series Laptop GPUs bring game-changing AI capabilities to gamers and creators. Multiply performance with NVIDIA DLSS 4, generate images at unprecedented speed, and unleash your creativity with NVIDIA Studio.



#### Lenovo PureSight OLED Gaming Display

Experience the OLED competitive edge to detect enemies in dim environments with low latency and high refresh rate technology, all with breathtaking high-fidelity visuals and Smart Shift AI Technology for panel longevity.



#### Legion Coldfront: Vapor with Integrated Hyperchamber

This advanced 275W cooling system featuring a massive Vapor Chamber, integrated Hyperchamber technology, and a triple fan system cools your GPU to the core to allow you to blast through the competition.



#### Unlock Seamless Control and AI-Powered Gaming with Legion Space

Legion Space is a dynamic software suite preloaded on Lenovo gaming devices, offering AI-powered cross-device experiences. Manage device settings, display game libraries, access exclusive deals, and connect Legion accessories, all in one place. The Gaming Zone provides esports players, content creators, and student gamers with personalized tools like Game Coach, Game Clip Master, and Game Companion.



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**AMD**  
**RYZEN**

**Lenovo**

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## SPECIFICATIONS

Legion Pro 7 16AFR10H

### PERFORMANCE

#### Processor

AMD Ryzen™ 9 9955HX3D  
AMD Ryzen™ 9 9955HX

#### Operating System

Windows 11 Pro / Windows 11 Home / No OS

#### Graphics

NVIDIA® GeForce RTX™ 5080 Laptop GPU / 16 GB  
GDDR7 / 256-bit / 175W incl. 25W Boost / Up to 1334 AI  
TOPS / 7680 CUDA Cores  
NVIDIA® GeForce RTX™ 5070 Ti Laptop GPU / 12 GB  
GDDR7 / 192-bit / 140W incl. 25W Boost / Up to 992 AI  
TOPS / 5888 CUDA Cores

MUX Supported

#### (50 Series) NVIDIA® Supported Technologies:

NVIDIA DLSS 4, NVIDIA Reflex 2, NVIDIA Broadcast,  
Resizable BAR, NVIDIA Ansel, NVIDIA Freestyle, NVIDIA  
Shadowplay, NVIDIA Highlights, NVIDIA G-SYNC®,  
NVIDIA Omniverse, RTX Remix, NVIDIA GPU Boost™,  
Vulkan RT API, OpenGL 4.6, NVIDIA Encoder (3x Ninth  
Generation), NVIDIA Decoder (2x Sixth Generation),  
CUDA Capability (12.8)

#### AI Chip

Lenovo AI Engine+Support / LA1+LA3

#### Memory¹

32GB (2x 16GB) 5600 MT/s DDR5  
16GB (1x 16GB) 5600 MT/s DDR5

#### Storage¹

2TB M.2 2280 PCIe SSD (Gen 5)  
1TB M.2 2280 PCIe SSD (Gen 5)  
2TB (2x 1TB) M.2 2242 PCIe SSD (Gen 4)  
1TB M.2 2242 PCIe SSD (Gen 4)

#### Cooling

Lenion Coldfront: Vapor with Integrated Hyperchamber

#### Rechargeable Li-ion Battery

99.9Whr Super Rapid Charge  
80Whr Super Rapid Charge

#### Power Adapter

300W or 400W (rectangle connector)

### DESIGN

#### Display

16" WQXGA (2560 x 1600) OLED; 16:10 (240 Hz /  
0.08ms Response Time / 100% DCI-P3 / X-Rite™  
Certified / 500 nits / Up to VESA Trueblack 1000  
Certified / Dolby Vision® Support / NVIDIA G-SYNC®  
Support / TÜV Rheinland® Certified)

#### Dimensions (W x D x minH-maxH)

(inches): 14.35 x 10.9 x 0.86-1.05  
(mm): 364.378 x 275.94 x 21.9-26.65

#### Weight

Starting at 2.56 lbs (5.64 kg)

#### Color

Eclipse Black

#### Keyboard

1.6mm / Per Key RGB / .3mm Dish / 100% Anti-Ghosting /  
100% Swappable Key Caps / Lenovo Spectrum RGB  
Software Support

#### Webcam

Built-in 5MP Webcam with E-Shutter (or 720p option)



### CONNECTIVITY

#### WLAN & Bluetooth

Wi-Fi® 7 (802.11be) 2x2 320Mhz with Bluetooth® 5.4

#### Audio

4-Speaker System with Nahimic Audio

#### I/O (Input/Output) Ports

##### Left Side:

1x USB Type-C® (USB 3.2 10Gbps with Power Delivery 3.0  
65W-100W / DP 2.1)  
1x USB Type-C® (USB 3.2 10Gbps / DP 2.1)  
1x HDMI® 2.1  
1x USB Type-A (USB 3.2 10Gbps / Always-on 5V2A)  
1x DC-IN

##### Right Side:

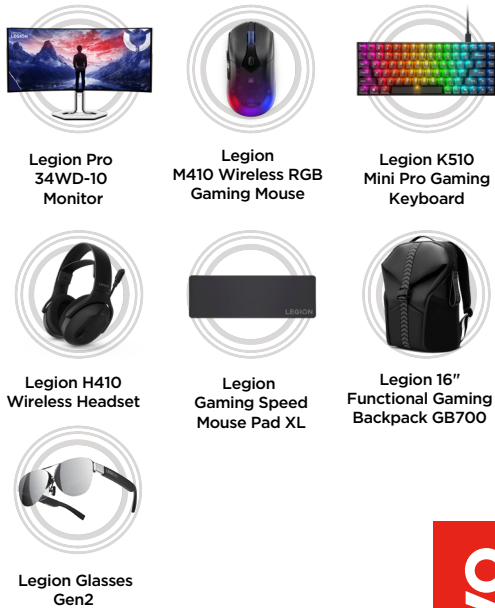
2x USB Type-A (USB 3.2 5Gbps)  
1x Audio Combo Jack  
1x RJ45  
1x E-Shutter Button

### PRELOADED SOFTWARE

- Legion Space
- McAfee® LiveSafe™
- Lenovo Vantage
- Gaming Zone
- X-Rite™ Color Assistant
- Microsoft Office Trial
- Dolby Vision
- Smart Connect



### LEGION ECOSYSTEM



### AVAILABLE SERVICES (purchased separately)

#### Legion Ultimate Support²

Excel at any level with top-tier power players in your corner. Our dedicated experts from Legion Ultimate Support equip you with fast remote solutions as well as hands-on repairs. Gaming late into the night? They'll be up to help you via chat, email, or call. Alternatively, you can send your device to us hassle-free and at no extra cost.

#### Lenovo Smart Performance

Nobody can tune your PC better than the people who made it. Get the most from your device with Lenovo Smart Performance that automatically scans and resolves performance and security issues in minutes, helping ensure your PC stays in top-notch condition.

#### Lenovo Accidental Damage Protection

We all know the drill: spilt wine, spilt milk or an accidental fall or crash situation - the unexpected is bound to happen, even to exceptionally engineered PCs. With Lenovo's Accidental Damage Protection enjoy complete peace-of-mind knowing that your PC is fully protected against non-warranty damages.

#### Lenovo Sealed Battery Warranty

Long-lasting battery life is not just a feature but a necessity to help you stay productive and connected. Protect your PC's sealed battery from degradation, enjoy hassle-free battery replacement service, and safeguard your PC from future battery failure with our Sealed Battery Warranty Service.

#### Lenovo CO₂ Offset Service

Lenovo offers a simple and transparent way to help offset the estimated carbon emissions associated with your device. Lenovo's CO₂ Offset Service estimates the realistic carbon emissions linked to a device across its average lifecycle -- from manufacture to shipping, typical usage, and end-of-life -- and offsets such emissions by purchasing credits to support climate action projects verified by independent third-party organizations such as United Nations, CDM, Gold Standard³, and Climate Action Reserve.

### McAfee® LiveSafe™

Register McAfee® to enjoy these benefits in your FREE 30-day trial.

- Award-winning Antivirus
- Safe Web Browsing
- Identity Theft Protection
- Password Manager
- Multi-device Compatibility
- Free Customer Support

¹Available user storage and internal memory is less due to operating system, software and other functions utilizing part of this capacity; may change with software updates.  
²Legion Ultimate Support, which utilizes gamer-centric technicians, is currently only available in the United States, Canada, Japan, India, Taiwan, Hong Kong, Singapore, Philippines, Malaysia, Thailand, Vietnam and Korea. Premium Care for Gaming and advanced technicians will be available for the rest of the world. Products and offers are subject to availability. Lenovo reserves the right to alter product offerings and specifications, at any time, without notice. Some markets may not have 24/7 support capability and will follow the best available SLAs.



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\* Example of Lenovo marketing catalogue naming convention

|           |          |                               |          |            |   |    |   |
|-----------|----------|-------------------------------|----------|------------|---|----|---|
| Legion    | Pro 7    | 16                            | A        | F          | R | 10 | H |
| Sub-brand | Position | Screen size or volume (litre) | Platform | Generation |   |    |   |

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