THE WORLD’S FIRST 16” QHD GAMING LAPTOP.

Underneath the Legion 7's refined aerospace-grade aluminum Storm Grey exterior is a savage engine—the latest generation AMD processing and NVIDIA® GeForce RTX™ Graphics—AI-optimized via the Legion AI Engine with next-gen Legion Coldfront 3.0 thermals including a high-performance vapor chamber to support the highest possible resolution on a gaming laptop. The taller 16:10 aspect ratio and up-to-165 Hz refresh rates of the 16” display place you in the gaming “winning zone,” raising your sightlines and strengthening your immersion, so you’ll detect threats faster and dive deeper into enthralling tower-level, ray tracing-enabled cinematics and immersive 3D Nahimic audio.

WHY YOU SHOULD BUY THE LENOVO LEGION 7 (16”)

- **Escalate your game**
  Welcome to next-generation gaming with up to 8 high-performance cores in the AMD Ryzen™ 9 mobile processor, delivering a combination of lightning-fast frame rates with uncompromised battery life.

- **RTX. It’s On.**
  NVIDIA® GeForce RTX™ 30 Series graphics bring 2nd Generation Ray Tracing, 3rd Generation AI Tensor Cores and more for a huge leap in graphical performance.

- **Set your sights higher**
  Cinema-like gaming moves into the next decade with the World’s First 16” QHD gaming display on a laptop. Enjoy QHD Resolution, 165 Hz refresh rate, a 16:10 aspect ratio with best-in-class color accuracy and high dynamic range.

- **Boost framerates with the Lenovo Legion AI Engine**
  Exclusive to Lenovo Legion laptops, the Lenovo Legion AI Engine, a system of AI solutions, dynamically shifts power between the CPU and GPU for more FPS on today's top AAA titles.

WWW.LENOVO.COM
PERFORMANCE

Processor
Up to AMD Ryzen™ 9 5900H

Operating System
Windows 10 Pro
Windows 10 Home

Graphics
Up to NVIDIA® GeForce RTX™ 3080

Memory
3200 MHz DDR4 : Up to 32 GB

Storage
M.2 NVMe PCIe SSD : Up to 2 TB

Battery
Up to 9 Hours (Target)^

Power Adapter
300W Slim Adapter

CONNECTIVITY

Webcam
Built-in HD Webcam (720p) with E-Shutter

WLAN
Killer™ WiFi AX1650 (2x2)^2 WiFi 2x2 802.11ax^2

Bluetooth^6
Bluetooth^6 5.1

Audio
2 x 2W Harman® Speaker with Nahimic Audio

Input/Output (I/O) Ports
Left Side
1 x USB Type-C™ (USB 3.2 Gen 2, DisplayPort™ 1.4)
1 x Audio Jack

Right Side
1 x USB Type-C™ (USB 3.2 Gen 1)
1 x E-Shutter Button

Rear
3 x USB Type-A 3.2 Gen 1 (1 x Always-On 5V)
1 x USB Type-C™ (USB 3.2 Gen 2, DisplayPort™ 1.4, Power Delivery)
1 x HDMI™ 2.1
1 x RJ45 Ethernet
1 x DC-in

PRELOADED SOFTWARE

• Lenovo Vantage
• Corsair® iCUE RGB Application
• Pantone X-Rite® Color Management System
• Nahimic Audio for Gamers
• Tobii Horizon

LENOVO SERVICES

Warranty Upgrades – On-site / In-Home Service
Maximizes PC uptime and productivity by providing convenient, fast repair services in your own home.

Accidental Damage Protection
Avoid the hassles of unexpected repair costs. Provides coverage for non-warranted damage incurred under normal operating conditions, such as minor spills, drops or damage to the integrated screen.

Warranty Extensions
(1-to-3 Years Total Duration)
This fixed-term, fixed-cost service helps accurately budget for PC expenses, protect your valuable investment and potentially lower the cost of ownership over time.

OPTIONS & ACCESSORIES

Lenovo Legion 15.6” Recon Gaming Backpack
Lenovo Legion H500 Pro 7.1 Surround Sound Gaming Headset
Lenovo Legion M500 RGB Gaming Mouse

ADEPTIVE PERFORMANCE

- Processor: Up to AMD Ryzen™ 9 5900H
- Operating System: Windows 10 Pro, Windows 10 Home
- Graphics: Up to NVIDIA® GeForce RTX™ 3080
- Memory: 3200 MHz DDR4: Up to 32 GB
- Storage: M.2 NVMe PCIe SSD: Up to 2 TB
- Battery: Up to 9 Hours (Target)
- Power Adapter: 300W Slim Adapter

ADAPTIVE POWER & CHARGE

- Rapid Charge Boost³
- 300W Slim Adapter

ADAPTIVE STORAGE

- Up to 32 GB RAM
- Up to 2 TB M.2 NVMe PCIe SSD
- 16” QHD (2560 x 1600) IPS, 6 ms Response Time
- NVIDIA® GeForce RTX™ 3080 Graphics
- Windows 10 Home, Pro

ADAPTIVE VIEW

- 16” QHD (2560 x 1600) IPS, 165 Hz / 3 ms Response Time
- Support for NVIDIA® G-SYNC™ and VESA DisplayHDR™ 400
- 165 Hz / 3 ms Response Time
- 16” QHD (2560 x 1600) IPS, 165 Hz / 3 ms Response Time
- NVIDIA® GeForce RTX™ 3080 Graphics
- Windows 10 Home, Pro

ADAPTIVE AUDIO

- 2 x 2W Harman® Speaker with Nahimic Audio
- Bluetooth® 5.1
- Killer™ WiFi AX1650 (2x2)

ADAPTIVE CONNECTIVITY

- Built-in HD Webcam (720p) with E-Shutter
- USB Type-C™ (USB 3.2 Gen 2, DisplayPort™ 1.4)
- HDMI™ 2.1
- RJ45 Ethernet
- DC-in

ADAPTIVE BATTERY

- Up to 9 Hours (Target)^
- Rapid Charge Boost³
- Up to 2.5 kg (5.5 lbs)

ADAPTIVE SECURITY

- BIOS-level security
- Windows Hello® Fingerprint
- AMD Secure Access Module (SAM)
- AMD Guardian
- Ubuntu Linux® 20.04.3 LTS

ADAPTIVE SOFTWARE

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