

Lenovo Legion Slim 7 (16", 8)

Lenovo
LEGION

The World's Most Agile 16" AI-tuned Gaming Laptops

Equipped the cutting-edge AMD Ryzen™ 7000 Series processors and NVIDIA® GeForce RTX™ 40 Series graphics, the Lenovo Legion Slim 7 is powered by the best-in-class AI-tuning via Lenovo AI Engine+, allowing creators to seamlessly flow between work and recreation, from inspirational creative projects to intense gaming sessions. The sleek and slim design weighs only 2kg and measures just 19mm thick, perfect for on-the-go power-user gaming and creation. The 16" 16:10 Lenovo PureSight gaming display, packing a variable refresh rate of up to 240Hz, delivers stunning visuals with rich contrast and sharp details and an optional 3.2K resolution for those who want exceptional unrivaled precision for immersive gaming and some serious content creation. At the same time, the Lenovo Legion ColdFront 5.0 thermal system keeps your machine running cool and smooth. What's more, the Lenovo Legion TrueStrike keyboard with per-key RGB powered by Lenovo Legion Spectrum, alongside the best-in-class 99.99Whr battery, empowers you to unleash your creative potential and game like a pro.

WHY YOU SHOULD BUY THE LENOVO LEGION SLIM 7 (16", 8)



Speed meets endurance with AMD Ryzen™ processors

Speed meets endurance when you play with a gaming laptop powered by AMD Ryzen™ processors. Seize the pure performance you need to win, without compromising battery life.



Fully Powered NVIDIA® GeForce RTX™ Graphics Cards. Beyond Fast.

NVIDIA® GeForce RTX™ 40 Series Laptop GPUs are beyond fast for gamers and creators. Experience lifelike virtual worlds with ray tracing, massively boost performance with DLSS 3, and get a competitive edge with Reflex.



Fight Smarter with Lenovo AI Engine+ and Lenovo AI Chip

The Lenovo AI Engine+ pairs with the Lenovo LA2-Q and LA1 AI Chips to bring seriously smart firepower to your gaming setup.



PureSight, Pure Gaming

Achieve visual mastery of your game with Lenovo PureSight Gaming Displays that feature massive screen sizes with up to 3.2K resolution, 100% DCI-P3 photo-accurate colors and 240Hz lightning-fast variable refresh rates.



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SPECIFICATIONS

Lenovo Legion Slim 7 16APH8

PERFORMANCE

Processor

AMD Ryzen™ 9 7940HS
AMD Ryzen™ 7 7840HS

Operating System

Windows 11 Pro
Windows 11 Home
Non OS

Graphics

NVIDIA® GeForce RTX™ 4070 Laptop GPU 8 GB GDDR6 (115W) 2175MHz Boost Clock
NVIDIA® GeForce RTX™ 4060 Laptop GPU 8 GB GDDR6 (115W) 2370MHz Boost Clock
NVIDIA® GeForce RTX™ 4050 Laptop GPU 6 GB GDDR6 (115W) 2370MHz Boost Clock

(40 Series) NVIDIA® Supported Technologies
NVIDIA DLSS 3, NVIDIA Ada Lovelace, Architecture, NVIDIA Max-Q Technologies: Advanced Optimus, Optimal Playable Settings, Rapid Core Scaling, CPU Optimizer, Dynamicboost, DLSS and Resizeable BAR

AI Chip

Lenovo LA2-Q &
Lenovo LA1 AI Chip On Board

Memory

5600 MHz DDR5¹
16GB (1 x 16GB On Board)
32 GB (16GB On Board & 16GB Slot)

Storage

PCIe SSD (Gen4): 512GB / 1TB

Battery

Up to 99.99Whr
Up to 9.2 hours (target)²
Support Super Rapid Charge (10min charge 0-30% capacity, 30min charge 0-70% capacity, 80min charge 0-100% capacity)

Power Adapter

230W Slim Adapter
Support 140W Type-C™ Power Delivery

DESIGN

Display

16" WQXGA (2560 x 1600) IPS; 16:10 (240 Hz VRR / 3ms Response Time w/OD / 100% sRGB / 500 nits / Up to VESA DisplayHDR™ 400 Certified / Dolby Vision® Support / NVIDIA® G-SYNC® / AMD FreeSync™ Premium³ / TÜV Rheinland® Certified: Hardware Low Blue Light / X-Rite Pantone® Certified)

16" WQXGA (2560 x 1600) IPS; 16:10 (165 Hz VRR / 5ms/3ms Response Time w/OD / 100% sRGB / 300 nits / Dolby Vision® Support / NVIDIA® G-SYNC® / AMD FreeSync™ Premium³ / TÜV Rheinland® Certified: Hardware Low Blue Light / X-Rite Pantone® Certified)

16" 3.2K (3200 x 2000) IPS; 16:10 (165 Hz VRR / 3ms Response Time w/OD / 100% DCI-P3 / 430 nits / Dolby Vision® Support / NVIDIA® G-SYNC® / AMD FreeSync™ Premium³ / TÜV Rheinland® Certified: Hardware Low Blue Light / X-Rite Pantone® Certified)

Dimensions (W x D x H) (Target)

(mm): 357.7 x 259.3 x 17.6 - 19.9mm
(inches): 14.08" x 10.21" x 0.69"-0.78"

Weight (Target)

Starting at <2kg / 4.4lbs

Color

Storm Grey / Glacier White

Keyboard

1.5mm / White Backlight or optional Per Key RGB / 100% Anti-Ghosting / Swappable Key Cap Set (4 Key Caps) / Lenovo Legion Spectrum RGB Software Support

Webcam

Built-in Webcam (1080p) with E-Shutter and Tobii Horizon Support

CONNECTIVITY

WLAN

2 x 2 Wi-Fi 7 (802.11be)
2 x 2 Wi-Fi 6E (802.11ax)

Bluetooth

Starting from Bluetooth® 5.1

Audio

2 x 2W Harman® Speaker with Nahimic Audio

I/O (Input/Output) Ports

Left
1 X USB Type-C™ (USB 4 / DisplayPort™ 1.4 / 140W Power Delivery)
1 X USB Type-C™ (USB 3.2 Gen2 / DisplayPort™ 1.4 / 140W Power Delivery)
1 X Audio Combo Jack

Right

1 X 4-in-1 SD Card Reader
1 X E-Shutter Button

Rear

1 X DC-In
1 X USB Type-A 3.2 Gen2 (Always-on 5V2A)
2 x USB Type-A 3.2 Gen1
1 X HDMI™ 2.1

PRELOADED SOFTWARE

- Lenovo Vantage & Legion Zone
- Tobii Horizon
- McAfee® LiveSafe™ (trial)
- Microsoft 365 (trial)
- Xbox Game Pass (3-month trial)
- Fn+R: 240Hz / 165Hz / 60Hz
- Fn+Q: Performance / Quiet / Intelligent Mode
- Q-Control: Custom Mode
- Xrite Color Management Tool



LENOVO SERVICES

Legion Ultimate Support⁴

Our gamer-centric 24/7 support is here to be your META - the Most Effective Tactic Available. Legion Ultimate Support is the extra boost you need to get 100% performance, 100% of the time.

Lenovo Premium Care⁵

Whether you need setup advice, a quick fix for your internet connection, resolve a software issue, or help to add a printer, Lenovo Premium Care has your back.

Lenovo CO₂ Offset Service

Lenovo CO₂ Offset Service gives consumers a simple and transparent way to offset carbon emissions and help the environment by supporting one of several United Nations Climate Action projects.

Accidental Damage Protection

Drops, bumps, and spills can damage even the most durable and well-engineered tablets, PCs, and Smart Displays. Lenovo's Accidental Damage Protection

McAfee® LiveSafe™

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

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

service covers accidents beyond the system warranty and protects your devices from non-warranty operational or structural failures incurred under normal operating conditions.

Lenovo Smart Performance Services

Boost your PC and internet performance, fix issues proactively, remove malware, and improve device security with Lenovo Smart Performance Services.

Lenovo Sealed Battery Warranty

Protect your sealed battery from degradation, enjoy hassle-free battery replacement service, and safeguard your PC from future battery failure.

¹ Maximum supported memory speed may vary and is contingent on the processor.

² Video Playback: Testing is done with 1080p resolution and at 150 nits.

³ AMD FreeSync/FreeSync Premium/FreeSync Premium Pro technology requires AMD Radeon graphics and a display certified by AMD. See www.amd.com/freesync for complete details. Confirm capability with your system or display manufacturer before purchase. GD-127

⁴ Legion Premium Care only available in markets where Legion Ultimate Support is currently not available (EMEA and ANZ).

⁵ Available in NA, CAP, IN, JP only. Not available in EMEA, ANZ, and LAS

* Example of Lenovo catalogue naming convention

Legion Slim 7 16APH8
Sub-brand Position Screen size Platform Generation



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AMD
RYZEN
7000 Series

Lenovo