

# Lenovo Legion 7a (16", 11)

## Master Your Many Worlds

Master your many worlds with the Legion 7a, a sleek and versatile powerhouse built for gamers, streamers, and innovators. Now 10% lighter and up to 5% thinner than before, it moves effortlessly with you from one passion to the next. Whether you are driving new breakthroughs in STEM, streaming to your community, or crafting something entirely your own, the Legion 7a gives you the precision and power to make it happen. Advanced by AMD Ryzen™ AI 400 Series processors and NVIDIA® GeForce RTX™ 50 Series Laptop GPUs, it delivers responsive, AI-optimized performance across gaming, streaming, and complex technical projects such as coding, simulations, and 3D modeling. The Lenovo AI Engine+ (LA1 + LA4) works with the Legion Space software suite to fine-tune power, thermals, and efficiency in real time, shifting smoothly from all-night gaming sessions to high-intensity lab work. Legion Coldfront: Hyper cooling keeps heat in check even under heavy loads, while the brilliant Lenovo PureSight OLED Gaming display makes every detail pop with rich contrast, true color, and ultra-low latency. With smarter power that keeps you unplugged longer, the Legion 7a delivers premium performance and style that moves with you. Choose between sleek Glacier White or stylish Nebula finishes to express your many worlds in style.

### WHY YOU SHOULD BUY THE LENOVO LEGION 7a (16", 11)



#### Lenovo PureSight OLED: AI-Tuned, Smooth Frames, Accurate Colors

Whether you're deep in a simulation or lost in a boss fight, Lenovo PureSight OLED Gaming displays keep every detail sharp and true. With 0.08ms response times, AI-driven dynamic tuning, and VESA DisplayHDR™ True Black 1000 certification, you get ultra-smooth frames and lab-grade color accuracy. Anti-Burn-In Technology and adaptive brightness extend panel life and battery efficiency, so your visuals stay stunning wherever you work or play.



#### AI-Optimized for Every World You Master

From high-FPS gaming to complex STEM projects, Lenovo AI Engine+ with Lenovo AI Core (LA1 + LA4) learns how you work and play. Using intelligent scenario detection in Balance and Performance modes, it fine-tunes power, thermals, and efficiency in real time, maximizing FPS in games, keeping streams smooth, and extending battery life when you go mobile. Everything is easily managed through Legion Space, putting adaptive AI control at your fingertips.



#### Lab-Quiet, Game-Ready: Legion Coldfront Hyper

Stay cool as you master your many worlds with Legion Coldfront: Hyper. Newly engineered Falcon fans, sealed & centralized airflow, 3D copper heat pipes, and intelligent AI tuning keep your system cool to the touch and performance steady through gaming marathons, rendering sessions, and late-night simulation runs.



#### Legion Space - Your Gaming HQ

Legion Space is your all-in-one gaming hub, pre-loaded on your gaming devices, for smarter play, powered by AI. Manage device settings, connect your accessories and buy or launch games, all in one place. Its AI-powered Gaming Zone features personalized tools like Game Clip Master and Game Companion to fuel all your passions, whether you're a gamer or gaming content creator.



# Lenovo Legion 7a (16", 11)

## SPECIFICATIONS

Legion 7 16AGP11

### PERFORMANCE

#### Processor

AMD Ryzen™ AI 9 HX 470  
AMD Ryzen™ AI 7 450

#### Operating System

Windows 11 Pro / Windows 11 Home / No OS

#### Graphics

NVIDIA® GeForce RTX™ 5060 Laptop GPU / 8GB GDDR7 / 115W incl. 15W Boost / 2497MHz Boost Clock / Up to 572 AI TOPS

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+LA4

#### Memory¹

64GB (2x 32GB) 8533 MT/s LPDDR5x Memory\*  
32GB (2x 16GB) 8533 MT/s LPDDR5x Memory

\*running at 8000 MT/s

#### Storage¹

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

#### Cooling

Legion Coldfront: Hyper

#### Battery: Rechargeable Li-ion Battery

84Whr

#### Power Adapter

245W Slim Adapter (rectangle connector)

### DESIGN

#### Display

16" WQXGA (2560 x 1600) OLED; 16:10 (240 Hz VRR / 0.08ms Response Time / 100% DCI-P3 / 500 nits / Up to VESA True Black 1100 Certified / NVIDIA G-SYNC® Support / TÜV Rheinland® Certified / Pantone™ Color Validated / Pantone™ SkinTone™ Validated)

16" WQXGA (2560 x 1600) OLED; 16:10 (165 Hz VRR / 0.08ms Response Time / 100% DCI-P3 / 500 nits / Up to VESA True Black 1100 Certified / NVIDIA G-SYNC® Support / TÜV Rheinland® Certified / Pantone™ Color Validated / Pantone™ SkinTone™ Validated)

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

(inches): 14.23 x 10.01 x 0.61-0.67  
(mm): 361.35 x 254.16 x 15.5-16.9

#### Weight

<1.8 kg (3.97 lbs)

#### Color

Glacier White  
Nebula

#### Keyboard

1.6mm Travel / .3mm Dish / 24-zone RGB / 100% Anti-Ghosting / 100% Swappable Key Caps / Lenovo Spectrum RGB Software Support

#### Webcam

Built-in 5MP IR Webcam with E-Shutter / Windows Hello ready

### CONNECTIVITY

#### WLAN & Bluetooth

Wi-Fi® 7 (802.11be) 2x2 160MHz with Bluetooth® 5.4

#### Audio

4x 2W Harman® Speaker System (2x Tweeter, 2x Woofer) with Nahimic Audio

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

##### Left:

1x USB Type-C® (USB4™ 40Gbps with Power Delivery 3.1 65W-140W / DP 2.1)

1x USB Type-C® (USB4™ 40Gbps with Power Delivery 3.0 65W-100W / DP 2.1)

1x USB Type-A (USB 3.2 5Gbps Always-on 5V2A)

##### Right :

1x USB Type-A (USB 3.2 5Gbps)

1x SD 4.0 Reader

1x E-Shutter Button

##### Rear :

1x HDMI® 2.1

1x DC-IN

### PRELOADED SOFTWARE

- Legion Space
- McAfee® LiveSafe™
- Microsoft 365 Trial
- Xbox Game Pass (2-Month Trial)
- Dropbox
- X-Rite™ Color Assistant
- Fn+R: 240hz / 165Hz / 60Hz
- Fn+Q: Performance / Quiet / Balance / Custom Mode
- Gaming Zone
- Creator Zone
- Lenovo Smart Connect
- Lenovo Now
- Lenovo AI Now
- FlickLift

## 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 Standard®, and Climate Action Reserve.

Now give back to the environment in a tangible way!

## McAfee® LiveSafe™

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

- Award-winning Antivirus
- Safe Web Browsing
- Password Manager
- Multi-device Compatibility

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.



WWW.LENOVO.COM

Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo makes every effort to ensure accuracy of all information but is not liable or responsible for any editorial, photographic or typographic errors. All images are for illustration purposes only. For full Lenovo product, service and warranty specifications visit [www.lenovo.com](http://www.lenovo.com). Lenovo makes no representations or warranties regarding third party products or services. **Trademarks:** The following are trademarks or registered trademarks of Lenovo: Lenovo, the Lenovo logo, Legion, the "O" design and Puresight. AMD, the AMD Arrow logo, Ryzen, Radeon, FreeSync, and combinations thereof are trademarks of Advanced Micro Devices, Inc. NVIDIA, GEFORCE and RTX are trademarks of NVIDIA Corporation, Inc. TÜV is a registered trademark of the TÜV Rheinland Group. USB Type-C® and USB-C® are registered trademarks of USB Implementers Forum. Wi-Fi is a trademark of Wi-Fi Alliance. The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Lenovo is under license. All other trademarks are the property of their respective owners. Visit [www.lenovo.com/lenovo/us/en/safecomp/](http://www.lenovo.com/lenovo/us/en/safecomp/) periodically for the latest information on safe and effective computing. ©2025 Lenovo. All rights reserved.

\* Example of Lenovo marketing catalogue naming convention



## LEGION ECOSYSTEM



Legion Pro 27Q-10  
OLED Monitor



Legion M600  
Wireless Gaming  
Mouse (Stingray)



Legion K510  
Mini Pro  
Gaming Keyboard



Legion H600  
Wireless Gaming  
Headset (Stingray)



Legion 17"  
Gaming Backpack  
GB800 (Light Grey)



Legion Gaming  
Control Mouse  
Pad L (Grey)

AMD  
RYZEN AI

Lenovo