

# Lenovo LOQ 15AHP9

## Join The Game

Are you ready to take the plunge into the gaming PC realm? Meet the Lenovo LOQ 15AHP9, your gateway to an extraordinary gaming experience. Powered by AMD Ryzen™ 8040 Series processors and NVIDIA® GeForce RTX™ 40 series laptop GPUs (up to 115W), this laptop pushes the limits with a custom mode that cranks performance up to 160W. Sporting a brand-new thermal design and a sleeker profile with a fresh ID, it's both cool and stylish. With ample memory and storage, upgradable options, and MIL-STD 810H durability, it's built to stay strong for years to come. Make a smooth transition into gaming without compromising on performance or budget with the Lenovo LOQ 15AHP9.

### WHY YOU SHOULD BUY THE LENOVO LOQ 15AHP9



#### Performance in Silence

In the realm of gaming PCs, thermal design stands as a pivotal factor. This is where Lenovo LOQ stands unwavering. Welcome our pioneering sealing logic, meticulously crafted for gamers who demand excellence. Our inventive system employs dual fans, each spinning outward to efficiently channel hot air away from the rear, effectively eliminating the inconvenience of hot air disruptions during intense gameplay. The sealed chamber effectively manages heat, affording you an additional power, reducing skin temperature, and muffling noise.



#### Unlock Potential with AI Simplicity

Experience a smoother transition between gaming and academics with Lenovo AI Engine+, featuring the LA1 AI chip. Turn on the Balance Mode within Lenovo Vantage and let AI step in, fine-tuning your laptop's parameters in real-time. No more manual adjustments, whether it's optimizing CPU resources for Python scripting or maximizing GPU power for graphics-intensive gaming. Lenovo AI Engine+ is your trusted companion, seamlessly managing these intricacies and ensuring top-notch performance as you conquer virtual worlds and tackle school projects.



#### Style and Versatility in Every Move

Lenovo LOQ 15AHP9 is our versatile companion for gaming, school, and streaming. Luna Grey finish, 15" minimalist design, 4% slimmer profile, power button indicator, 1080P camera with e-privacy shutter, ample ports, and MIL-STD 810H durability. It is perfect for life on the move.



#### See It All, Win It All

Dive into every frame and pixel with Lenovo LOQ 15AHP9's 15.6" 16:9 display, narrow bezels, WQHD sharpness, 165Hz smoothness, 350-nit vividness, and full sRGB colors. No screen hiccups with NVIDIA® G-SYNC® and AMD FreeSync™ Premium. And Advanced Optimus optimizes performance and battery life.



# Lenovo LOQ 15AHP9

## SPECIFICATIONS

LOQ 15AHP9

### PERFORMANCE

#### Processor

AMD Ryzen™ 7 8845HS  
AMD Ryzen™ 5 8645HS

#### Operating System

Windows 11 Pro  
Windows 11 Home

#### Graphics

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

NVIDIA® GeForce RTX™ 4050 Laptop GPU  
6GB GDDR6 (105W) 2370MHz Boost Clock

NVIDIA® GeForce RTX™ 3050 Laptop GPU  
6GB GDDR6 (95W) 1732MHz Boost Clock

MUX Supported

#### (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

LA1

#### Memory

8GB / 16GB (1 x 16GB / 2 x 8GB) / 32GB (2 x 16GB)<sup>1</sup>  
4800MHz / 5600MHz DDR5<sup>2</sup>  
2 x SO-DIMM

#### Storage

512GB / 1TB M.2 2242 PCIe SSD (Gen 4)  
2 x M.2 2280/2242 PCIe SSD (Gen 4) slots

#### Battery

4-cell 80Whr<sup>1</sup> / 4-cell 60Whr  
Up to 11.5 Hours (Target)<sup>3</sup>  
Support Super Rapid Charge Pro (10min charge 0-40% capacity, 30min charge 0-80% capacity, 60min charge 0-100% capacity)

### DESIGN

#### Display

15.6" WQHD (2560 x 1440) IPS; 16:9 (165 Hz / 100% sRGB / 350 nits / NVIDIA® G-SYNC® / Advanced Optimus / TUV™ Certification

15.6" FHD (1920 x 1080) IPS; 16:9 (144Hz / 100% sRGB / 300 nits / NVIDIA® G-SYNC® / Advanced Optimus / TUV™ Certification

#### Dimensions (W x D x H)

(mm): 359.86 x 258.7 x 21.9-23.9  
(inches): 14.17" x 10.19" x 0.86"-0.94"

#### Weight

2.38-2.45kg / 5.25-5.40lbs

#### Color

Luna Grey

#### Keyboard

1.5mm Key Travel / Backlight: white or optional 4-zone RGB / 100% Anti-Ghosting / Swappable Key Cap Set (4 Key Caps)<sup>1</sup>

#### Webcam

Built-in Webcam (1080p/720p) with E-Shutter



### CONNECTIVITY

#### WLAN

Wi-Fi 6E (802.11ax)<sup>1</sup>  
Wi-Fi 6 (802.11ax)

#### Bluetooth

Starting from Bluetooth® 5.2

#### Audio

2 x 2W speakers with Nahimic Audio & Sound Tracker

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

Right  
1 x USB-A 3.2 Gen 1  
1 x USB-C 3.2 Gen 2 (DPI.4, 140W PD, 10Gbps)  
1 x Audio Combo Jack  
1 x E-shutter

#### Rear

2 x USB-A 3.2 Gen 1  
1 x RJ45  
1 x DC-in  
1 x HDMI 2.1

### PRELOADED SOFTWARE

- Lenovo Vantage
- McAfee® LiveSafe™
- Microsoft 365 (Trial)
- Xbox Game Pass Ultimate (3-month trial)
- X-Rite Color Management Tool
- Fn+R: 165Hz/60Hz or 144Hz/60Hz
- Fn+Q: Performance / Quiet / Balance/ Custom Mode

#### Premium Care for Gaming<sup>2</sup>

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

#### Lenovo Smart Performance

Smart Performance Services within Lenovo Vantage will keep your system running at optimum performance and proactively fix issues that affect PC performance, internet performance, and security.

#### Lenovo Accidental Damage Protection

Avoid the hassles of unexpected damage & repair costs. With coverage for drops, spills, electric surges, and broken LCD screens, accidental damage protection makes it easy to repair to your PCs and ensures your device is up and running fast.

#### Lenovo Sealed Battery

Long-lasting battery life is not just a feature but a necessity to help you stay productive and connected all day long. 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 Warranty Extensions (Up to 3 years duration)

Gain complete peace of mind by extending your base warranty to up to 3 years and minimize unexpected repair costs.

#### Lenovo CO<sub>2</sub> Offset Services

Now give back to the environment in a tangible way! Lenovo CO<sub>2</sub> Offset Service gives you a simple and transparent way to offset carbon emissions and help the environment by supporting one of several United Nations Climate Action projects, including those that help to improve renewable energy, reduce air pollution, or enhance safe waste disposal, all of this at just the click of a button.

### Lenovo Gaming Ecosystem



Legion Y27h-30 Monitor



Lenovo M210 RGB Gaming Mouse



Legion K310 RGB Gaming keyboard



Lenovo Ideapad Gaming H100 Headset



Legion Gaming Control Mouse Pad XXL



Lenovo IdeaPad Gaming Modern Backpack

\* Example of Lenovo marketing catalogue naming convention

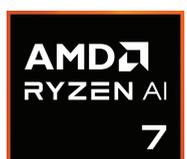


<sup>1</sup>Tech ready  
<sup>2</sup>All battery life claims are approximate maximum and based on results using the MobileMark 2014, MobileMark 2018, MobileMark 25, JEITA 2.0, continuous 1080p video playback (with 150nits brightness and default volume level) or Google Power Load Test (PLT) battery-life benchmark tests. Actual battery life will vary depending on many factors such as product configuration and usage, software use, wireless functionality, power management settings, and screen brightness. The maximum capacity of the battery will decrease with time and use.  
<sup>3</sup>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. The United States, Canada, Japan, India, Taiwan, Hong Kong, Singapore, Philippines, Malaysia, Thailand, Vietnam and Korea are supported by Legion Ultimate Support. Premium Care for Gaming and advanced technicians will be available for the rest of the world.



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