

# Lenovo LOQ 15IRH8



## Connect to the Serious PC Gaming Crew

Step up your game and shatter your own expectations, whether you're gaming with your crew or working on projects. Powered by up to Intel® Core™ i7-13700H processor, NVIDIA® GeForce RTX™ 4060 laptop GPU and up to 32GB 5600MHz DDR RAM, the Lenovo LOQ 15IRH8 breaks the limits of what you'd expect from an entry-level gaming PC, with best-in-class performance-tuning of the Lenovo AI Engine+ and a dedicated MUX switch with NVIDIA® Advanced Optimus. Experience lightning-fast gameplay on an up to 165Hz 15.6" WQHD 350-nit display and a signature Lenovo gaming keyboard with 1.5mm key travel. A future-proof machine that doesn't break the bank. The durable chassis is focused on simplicity and practicality, with thinner side walls and high-performance rear I/O, while dual 85mm 12V high-speed fans and larger vents ensure quiet and powerful cooling.

### WHY YOU SHOULD BUY THE LENOVO LOQ 15IRH8



#### 13<sup>th</sup> Gen Intel® Core™ Processors. Beyond Performance.

Stream, create and compete at the highest levels – 13<sup>th</sup> Gen Intel Core processors push your gameplay beyond performance, giving you the power to do it all.



#### 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.



#### Gaming Intelligence Like You've Never Seen

The Lenovo AI Engine+ and Lenovo LA1 AI Chip work together with the MUX Switch with NVIDIA® Advanced Optimus for a truly epic boost in performance, at levels you've never seen before.



#### Loud Performance for Quiet Gamers

Keep your gaming sessions whisper-quiet with innovative thermals featuring up to four heat pipes, dual 85mm 12V high-speed fans, larger vents, and 135W TDP.



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# Lenovo LOQ 15IRH8

Lenovo  
LOQ

## SPECIFICATIONS

Lenovo LOQ 15IRH8

### PERFORMANCE

#### Processor

13<sup>th</sup> Generation Intel® Core™ i7-13700H  
13<sup>th</sup> Generation Intel® Core™ i7-13620H  
13<sup>th</sup> Generation Intel® Core™ i5-13500H  
13<sup>th</sup> Generation Intel® Core™ i5-13420H  
12<sup>th</sup> Generation Intel® Core™ i5-12450H

#### Operating System

Windows 11 Pro / Windows 11 Home  
Non OS

#### Graphics

NVIDIA® GeForce RTX™ 4060 Laptop GPU  
8GB GDDR6 (115W) 2370Mhz Boost Clock  
NVIDIA® GeForce RTX™ 4050 Laptop GPU  
6GB GDDR6 (95W) 2370Mhz Boost Clock  
NVIDIA® GeForce RTX™ 3050 Laptop GPU  
6GB GDDR6 (95W) 1732Mhz Boost Clock  
NVIDIA® GeForce RTX™ 2050 Laptop GPU  
4GB GDDR6 (70W) 1575Mhz 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  
MUX Supported

#### AI Chip

Lenovo LA1 AI Chip

#### Memory

Dual Channel 5200 / 4800 MHz DDR5<sup>1</sup>:  
8GB (1 x 8GB)  
16GB (2 x 8GB / 1 x 16GB)  
32GB (2 x 16GB)<sup>2</sup>

#### Storage

PCIe® NVMe™ TLC M.2 2242 SSD (Gen4):  
512GB / 1TB / 2TB (2 x 1TB)<sup>2</sup>  
PCIe® NVMe™ QLC M.2 2242 SSD (Gen4):  
512GB / 1TB

#### Battery

60Whr / Up to 5.7 hours (target)  
Support Super Rapid Charge (10min charge  
0-30% capacity, 30min charge 0-70%  
capacity, 80min charge 0-100% capacity)

## LENOVO SERVICES

#### Lenovo Premium Care<sup>5</sup>

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 CO<sub>2</sub> Offset Service

Lenovo CO<sub>2</sub> 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 service covers accidents beyond the system warranty and protects your devices from non-warranty operational or structural failures incurred under normal operating conditions.

## 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



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### Power Adapter

135W Slim Adapter  
170W Slim Adapter  
230W Slim Adapter<sup>3</sup>  
Support 140W Type-C™ Power Delivery

### DESIGN

#### Display

15.6" WQHD (2560\*1440) IPS; 16:9 (165Hz VRR / 5ms/3ms Response Time / 85% AAR / 100% sRGB / 350nit / NVIDIA® G-SYNC® Support)

15.6" FHD (1920\*1080) IPS; 16:9 (144Hz VRR / 85% AAR / 45% NTSC / 350nit / NVIDIA® G-SYNC® Support)

15.6" FHD (1920\*1080) IPS; 16:9 (60Hz / 85% AAR / 45% NTSC / 300nit)

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

(mm): 359.6 x 264.8 x 22.1 - 25.2mm  
(inches): 14.16" x 10.43" x 0.87"-0.99"

#### Weight (Target)

Starting at <2.4kg / 5.29lbs<sup>4</sup>

#### Color

Storm Grey

#### Keyboard

1.5mm /White Backlight or optional 4-zone RGB / 100% Anti-Ghosting

#### Webcam

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

### CONNECTIVITY

#### WLAN

2 x 2 Intel® Wi-Fi 6 (802.11ax)

#### Bluetooth

Starting from Bluetooth® 5.1

#### Audio

2 x 2W speakers with Nahimic Audio

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

##### Left

1 X USB Type-C™ (10Gbps; DisplayPort™ 1.4 + 140W Power Delivery)

1 X Audio Combo Jack

##### Right

1 X USB Type-A 3.2 Gen 1 (5Gbps)

1 X E-Shutter Button

##### Rear

1 X DC-In

1 X RJ45

2 X USB Type-A 3.2 Gen2 (10Gbps)

1 X HDMI™ 2.1



## PRELOADED SOFTWARE

- Lenovo Vantage
- McAfee® LiveSafe™ (trial)
- Microsoft 365 (trial)
- Xbox Game Pass (3-month trial)
- Fn+R: 165Hz / 144Hz / 60Hz
- Fn+Q: Performance / Intelligent / Quiet Mode
- Q-Control: Custom Mode

## OPTIONS & ACCESSORIES



Coming Soon



Coming Soon



Coming Soon

\* Example of Lenovo  
catalogue naming  
convention

Sub-brand	Lenovo LOQ	1	5	I	R	H	8
Screen size				Platform			Generation



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