

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



13th Gen Intel® Core™ Processors. Beyond Performance.

Stream, create and compete at the highest levels – 13th 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.



Lenovo LOQ 15IRH8



SPECIFICATIONS

Lenovo LOQ 15IRH8

PERFORMANCE

Processor

13th Generation Intel® Core™ i7-13700H
13th Generation Intel® Core™ i7-13620H
13th Generation Intel® Core™ i5-13500H
13th Generation Intel® Core™ i5-13420H
12th 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 DDR5¹:
8GB (1 x 8GB)
16GB (2 x 8GB / 1 x 16GB)
32GB (2 x 16GB)²

Storage

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

Power Adapter

135W Slim Adapter
170W Slim Adapter
230W Slim Adapter³
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 / 5.29lbs⁴

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



LENOVO SERVICES

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



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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 Tech ready

³ NVIDIA® GeForce RTX™ 4060 / 4050 only

⁴ Weights vary depending on configurations and manufacturing variability.

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

OPTIONS & ACCESSORIES



Coming Soon



Coming Soon



Coming Soon

* Example of Lenovo catalogue naming convention

Lenovo LOQ 15IRH8
Sub-brand Screen size Platform Generation



Lenovo