

PERFORMANCE

Processor

Intel® Core™ i9-13980HX, 24C (8P + 16E) / 32T, P-core 2.2 / 5.6GHz, E-core 1.6 / 4.0GHz, 36MB

Graphics

NVIDIA® GeForce RTX™ 4090 16GB GDDR6, Boost Clock 2040MHz, TGP 175W

Chipset

Intel HM770 Chipset

Memory

2x 16GB SO-DIMM DDR5-6400 (Overclock)

Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

Max Memory^{[1][2]}

Up to 32GB DDR5-6400 (overclock) offering

Storage

1TB SSD M.2 2280 PCIe® 4.0x4 NVMe®

Storage Support^[3]

Up to two drives, 2x M.2 SSD
• M.2 2280 SSD up to 2TB

Storage Slot

Two M.2 2280 PCIe 4.0 x4 slots

RAID Preset

None

Card Reader

SD Card Reader

Optical

None

Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

Speakers

Stereo speakers (super linear speaker), 2W x2, audio by HARMAN, optimized with Nahimic Audio, Smart Amplifier (AMP)

Camera

FHD 1080p with E-shutter

Microphone

2x, Array

Battery

Integrated 99.9Wh

Power Adapter

330W Slim Tip Tiny GaN (3-pin) + 140W USB-C® Slim (3-pin)

Special Features

- AI Chip: LA2
- Hybrid thermal solution (liquid cooling + air cooling + liquid metal)

DESIGN

Display

16" 3.2K (3200x2000) Mini LED 1200nits Anti-glare, 100% DCI-P3, 100% Adobe® RGB, 100% sRGB, 165Hz, DisplayHDR™ 1000, Dolby® Vision™, G-SYNC®, Low Blue Light

Touchscreen

None

Color Calibration

None

Keyboard

Per-key RGB Backlit, English

Case Color

Carbon Black

Surface Treatment

Forged Carbon (Soft Painted)

Case Material

Aluminium + Forge Carbon (Top), Magnesium-aluminium (Bottom)

Dimensions (WxDxH)^[4]

357.7 x 277.7 x 18.9 mm (14.08 x 10.93 x 0.74 inches)

Weight^[5]

Around 2.56 kg (5.64 lbs)

SOFTWARE

Operating System

Windows® 11 Home, Polish

Bundled Software

Office Trial

CONNECTIVITY

Ethernet

2.5GbE (RJ-45)

WLAN + Bluetooth^[6]

Intel Killer Wi-Fi® 6E AX1675i, 11ax 2x2 + BT5.1

Standard Ports

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 1x USB-C 3.2 Gen 1 (support data transfer only)
- 2x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 140W and DisplayPort™ 1.4)
- 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (2.5GbE RJ-45)
- 1x Card reader
- 1x Power connector

SECURITY & PRIVACY

Security Chip

Firmware TPM 2.0 Enabled

Fingerprint Reader

Touch Style, Integrated in Power Button

Other Security

E-shutter

SERVICE

Base Warranty

2-year, Courier or Carry-in

Included Upgrade

2Y Premium Care with OnSite from 2Y Depot (CPN)

ACCESSORIES

Bundled Accessories^[7]

8 Switchable Keycaps and Easy Tool

CERTIFICATIONS

Green Certifications

- ErP Lot 3
- RoHS compliant

Other Certifications

- TÜV Rheinland® Low Blue Light (Hardware Solution)
- UL Solutions - Gaming Performance and Comfort (GOLD)

MODEL

TopSeller : Yes **Announce Date** : 2023-09-01

EAN / UPC / JAN : 197528633480 **End of Support** : 2029-08-31

Note:

^[1] The max memory is based on the test results with current Lenovo memory offerings.

^[2] When you update memory capacity, please contact with Lenovo Service to replace the memory.

^[3] The storage capacity supported is based on the test results with current Lenovo storage offerings.

^[4] The system dimensions may vary depending on configurations.

^[5] The system weight is approximate and based on results in Lenovo lab, which varies depending on the source of component, variance of the distribution of each component, and manufacturing process. It may not be the exact weight for each specific model.

^[6] Bluetooth 5.3 is hardware ready but may run at a lower version due to OS limitations.

^[7] For more compatible accessory solutions, please visit [Accessories for Legion 9 16IRX8](#)

• Lenovo reserves the right to change specifications without notice.

To see more note information, please link to

<https://psref.lenovo.com/Detail/2332?M=83AG000BPB>

Premium Care - Advanced Support from Real People. Real Fast.



REAL PERSON

Choose how you want to reach us - through the phone, chat or email - our expert technicians will take care of you.



REAL FAST

Highly trained technicians will provide you real-time solutions, whatever the issue, on your first contact. If needed, our team will schedule an onsite visit for the next business day.



HASSLE FREE

'Getting started' and 'how-to' assistance for hardware and software. Easy solutions that are simple to reach - that's how Premium Care delivers you the ideal support experience.



PC HEALTH CHECK

Free annual PC Health Check that allows our experts to spot issues before you do so they can resolve them quickly and help you avoid PC problems.

Accidental Damage Protection - Protection of your PC from the unexpected.

Experience shows that a significant portion of devices may be damaged (and not covered under warranty) in the first three years. Lenovo's Accidental Damage Protection service covers accidents beyond the system warranty such as drops, spills, bumps and even electrical surges. Make sure your new device has maximum protection, avoid unplanned costs and get peace of mind.

Base Warranty – Included with the systems you purchase, default 1- or 3-year coverage window.

Warranty Extensions & Upgrades – Service and protection that's right for your circumstances.

- Pick Up & Return Courier
- Onsite Support
- Technician Installed Customer
- Replaceable Unit Service
- International Warranty Upgrade

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Recommended Accessories



Lenovo Powered USB-C Travel Hub

4X90S92381

Travel-Ready Productivity Powerhouse; One-stop travel docking is finally here. Connect and charge new and legacy devices wherever you happen to be. Sleek and compact, the Lenovo Powered USB-C Travel Hub fits unlimited...

Recommended Services

BEST	4Y Premium Care upgrade from 2Y Premium Care (5WS1C83325)
BETTER	3Y Premium Care upgrade from 2Y Premium Care (5WS1C83323)

For a full list of accessories and services, please visit:
<https://smartfind.Lenovo.com>

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PSREF
Product Specifications
Reference