Legion 9 16IRX9 83G0001DMZ

PSREF
Product Specifications Reference

PERFORMANCE

Processor
Intel® Core™ i9-14900HX, 24C (8P + 16E) / 32T, P-core 2.2 / 5.8GHz, E-core 1.6 / 4.1GHz, 36MB

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

Chipset
Intel HM770 Chipset

Memory
2x 32GB SO-DIMM DDR5-5600 (Overclock)

Memory Slots
Two DDR5 SO-DIMM slots, dual-channel capable

Max Memory[1][2]
Up to 64GB DDR5-5600 (overclock) offering

Storage
2TB 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

Card Reader
SD Card Reader

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: LA3-P
- 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

Keyboard
Per-key RGB Backlit (with Lighting Lens), Swiss

Case Color
Carbon Black

Surface Treatment
Forged Carbon (Soft Painted)

Case Material
Aluminium (Top), Magnesium-aluminium (Bottom)

Dimensions (WxDxH)[4]
357.7 x 277.7 x 18.9-22.7 mm (14.08 x 10.93 x 0.74-0.89 inches)

Weight[5]
Around 2.6 kg (5.73 lbs)

SOFTWARE

Operating System
Windows® 11 Pro, Swiss (EN/FR/DE/IT)

Bundled Software
Office Trial

CONNECTIVITY

Ethernet
2.5GbE (RJ-45)

WLAN + Bluetooth®[6]
Intel Killer Wi-Fi® 6E AX1675i, 11ax 2x2 + BT5.3

Standard Ports
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 1x USB-C (USB 5Gbps / USB 3.2 Gen 1), data transfer only
- 2x USB-C (Thunderbolt™ 4 / USB4® 40Gbps), with PD 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 upgrade from 2Y Courier/Carry-in

ACCESSORIES

Bundled Accessories[7]
8 Switchable Keycaps and Easy Tool

CERTIFICATIONS

Green Certifications
- Carbon Neutral Certified
- ErP Lot 3
- RoHS compliant

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

MODEL

TopSeller	: No	Announce Date	: 2024-02-01
EAN / UPC / JAN	: 197531692184	End of Support	: 2030-01-04

Product image is a sample, it may not match the real color of this model

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 reserves the right to change specifications without notice.

To see more note information, please link to
https://psref.lenovo.com/Detail/2385?M=83G0001DMZ

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 Professional Wireless Combo Keyboard & Mouse (US English)
4X30H56796
This sleek and stylish full-size keyboard and mouse combo offers exceptional quality in a modern wireless solution. The slim 3-zone keyboard with number pad has responsive quiet keys and a premium typing experience. O...

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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