

Legion 9 16IRX9

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
- AI PC Category**
AI-Powered Gaming PC
- Graphics**
NVIDIA® GeForce RTX™ 4080 12GB GDDR6, Boost Clock 2280MHz, TGP 175W, 542 AI TOPS
- Chipset**
Intel® HM770 Chipset
- Memory**^[1]
2x 32GB SO-DIMM DDR5-5600 (Overclock)
- Memory Slots**
Two DDR5 SO-DIMM slots, dual-channel capable
- Max Memory**^{[2][3]}
Up to 64GB DDR5-5600 (overclock) offering
- Storage**
2x 1TB SSD M.2 2280 PCIe® 4.0x4 NVMe®
- Storage Support**^[4]
Up to two drives, 2x M.2 SSD
• M.2 2280 SSD up to 2TB each
- Storage Slot**
Two M.2 2280 PCIe® 4.0 x4 slots
- RAID Preset**
RAID 0
- 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: 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
- Touchscreen**
None
- Color Calibration**
None
- Keyboard**
Per-key RGB Backlit (with Lighting Lens), English
- Touchpad**
Buttonless glass surface multi-touch touchpad, supports Precision TouchPad (PTP), 58 x 120 mm (2.28 x 4.72 inches)
- Case Color**
Carbon Black
- Surface Treatment**
Forged Carbon (Soft Painted)
- Case Material**
Aluminium (Top), Magnesium-aluminium (Bottom)
- Pen**
Pen Not Supported
- Dimensions (WxDxH)**^[5]
357.7 x 277.7 x 18.9-22.7 mm (14.08 x 10.93 x 0.74-0.89 inches)
- Weight**^[6]
Around 2.6 kg (5.73 lbs)

SOFTWARE

- Operating System**
None
- Bundled Software**
None

CONNECTIVITY

- Ethernet**
2.5GbE (RJ-45)
- WLAN + Bluetooth**^[7]
Intel® Killer Wi-Fi® 6E AX1675i, 802.11ax 2x2 + BT5.3
- WWAN**
Non-WWAN

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 Lenovo® 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**
3Y Premium Care with Onsite upgrade from 2Y Depot/CCI (CPN)

ACCESSORIES

- Bundled Accessories**^[8]
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	: Yes	Announce Date	: 2024-02-01
EAN / UPC / JAN	: 197531282736	End of Support	: 2030-01-04

Note:
^[1] Based on Intel normal specification, 2x 32GB memory.....
· Lenovo reserves the right to change specifications without notice.
To see more note information, please link to
<https://psref.lenovo.com/Detail/2385?M=83G0000QRM>

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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.

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- 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)

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...

Lenovo Powered USB-C Travel Hub

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...

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

PSREF
Product Specifications
Reference