

# 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™ 4090 16GB GDDR6, Boost Clock 2040MHz, TGP 175W, 686 AI TOPS
- Chipset**  
Intel® HM770 Chipset
- Memory**<sup>[1]</sup>  
2x 32GB SO-DIMM DDR5-5600 (Overclock)
- Memory Slots**  
Two DDR5 SO-DIMM slots, dual-channel capable
- Max Memory**<sup>[2][3]</sup>  
Up to 64GB DDR5-5600 (overclock) offering
- Storage**  
2TB SSD M.2 2280 PCIe® 4.0x4 NVMe®
- Storage Support**<sup>[4]</sup>  
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**  
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: 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), Arabic
- 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)**<sup>[5]</sup>  
357.7 x 277.7 x 18.9-22.7 mm (14.08 x 10.93 x 0.74-0.89 inches)
- Weight**<sup>[6]</sup>  
Around 2.6 kg (5.73 lbs)

#### SOFTWARE

- Operating System**  
Windows® 11 Home, Arabic / English
- Bundled Software**  
Office Trial

#### CONNECTIVITY

- Ethernet**  
2.5GbE (RJ-45)
- WLAN + Bluetooth**<sup>[7]</sup>  
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**  
1-year, Courier or Carry-in
- Included Upgrade**  
2Y Premium Care with Onsite upgrade from 1Y Courier/Carry-in

#### ACCESSORIES

- Bundled Accessories**<sup>[8]</sup>  
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	: 197531116116	End of Support	: 2030-01-04

Note:  
<sup>[1]</sup> 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=83G0000CAX>

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

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- Onsite Support
- Technician Installed Customer
- Replaceable Unit Service
- International Warranty Upgrade

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## Recommended Accessories

### 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...

## 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>

**PSREF**  
Product Specifications  
Reference