

Legion Pro 7 16IRX8H

PERFORMANCE

- Processor

Intel® Core™ i9-13900HX, 24C (8P + 16E) / 32T, P-core 2.2 / 5.4GHz, E-core 1.6 / 3.9GHz, 36MB
- Graphics

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

Intel® HM770 Chipset
- Memory

2x 16GB SO-DIMM DDR5-5600
- Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable
- Max Memory^[1]

Up to 32GB DDR5-5600 offering
- Storage

2x 1TB SSD M.2 2280 PCIe® 4.0x4 NVMe®
- Storage Support^[2]

Up to two drives, 2x M.2 SSD
 - M.2 2280 SSD up to 1TB each
- Storage Slot

Two M.2 2280 PCIe® 4.0 x4 slots
- Card Reader

None
- 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)
- Special Features^[3]

- AI Chip: LA2-Q
 - Legion Coldfront 5.0 cooling system

DESIGN

- Display^[4]

16" WQXGA (2560x1600) IPS 500nits Anti-glare, 100% sRGB, 240Hz, DisplayHDR™ 400, Dolby Vision®, G-SYNC®, Low Blue Light, High Gaming Performance

- Touchscreen

None
- Color Calibration

Factory Color Calibration
- Keyboard

Per-key RGB Backlit (with Lighting Lens), Spanish
- Touchpad

Buttonless Mylar® surface multi-touch touchpad, 75 x 120 mm (2.95 x 4.72 inches)
- Case Color

Onyx Grey
- Surface Treatment

Anodizing
- Case Material

Aluminium (Top), Aluminium (Bottom)
- Pen

Pen Not Supported
- Dimensions (WxDxH)^[5]

363.4 x 263.55 x 21.97-25.9 mm (14.31 x 10.38 x 0.86-1.02 inches)
- Weight^[6]

Less than 2.8 kg (6.17 lbs)

SOFTWARE

- Operating System

Windows® 11 Home, Spanish
- Bundled Software

Office Trial

CONNECTIVITY

- Ethernet

100/1000M (RJ-45)
- WLAN + Bluetooth^[7]

Intel® Killer Wi-Fi® 6E AX1675i, 802.11ax 2x2 + BT5.3
- WWAN

Non-WWAN
- Standard Ports

- 1x USB 3.2 Gen 1 (Always On)
 - 3x USB 3.2 Gen 1
 - 1x USB-C® 3.2 Gen 2 (support data transfer, Lenovo® Power Delivery 140W and DisplayPort™ 1.4)
 - 1x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery and DisplayPort™ 1.4)
 - 1x HDMI® 2.1, up to 8K/60Hz
 - 1x Headphone / microphone combo jack (3.5mm)
 - 1x Ethernet (RJ-45)
 - 1x Power connector

SECURITY & PRIVACY

- Security Chip

Firmware TPM 2.0 Enabled
- Fingerprint Reader

None
- Other Security

E-shutter

SERVICE

- Base Warranty

3-year, Courier or Carry-in
- Included Upgrade

CO2 Offset 1 ton (2nd Generation Carbon Offset Projects)

ACCESSORIES

- Bundled Accessories^[8]

4 Switchable Keycaps and Easy Tool

CERTIFICATIONS

- Green Certifications

- ErP Lot 3
 - RoHS compliant
- Other Certifications

- TÜV Rheinland® High Gaming Performance
 - TÜV Rheinland® Low Blue Light (Hardware Solution)

MODEL

- TopSeller

: Yes
- Announce Date

: 2023-03-09
- EAN / UPC / JAN

: 197529456064
- End of Support

: 2029-02-24



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] The storage capacity supported is based on the test results with current Lenovo storage offerings.
[3] This chip powers Lenovo AI Engine+, which uses.....

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to
<https://psref.lenovo.com/Detail/2196?M=82WQ007QSP>

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.

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.

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.

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 USB-C 7-in-1 Hub

Travel - Ready Productivity. One-stop travel docking is finally here. Connect and charge new and legacy devices wherever you happen to be. Sleek and compact, the Lenovo USB-C 7-in-1 Hub fits unlimited productivity i...

ThinkPad Professional 15.6-inch Backpack

The Lenovo ThinkPad Professional Backpack is a streamlined yet versatile backpack for the on-the-go professional. This clean, modern design carries, protects, and organizes your mobile office, while premium, lightweight...

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

PSREF
Product Specifications
Reference