Legion Pro 7 16IRX9H 83DE0055PB





The product images are for illustration purposes only. Actual product appearance, ports, keyboard layout, and accessories may vary by model.

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

Recommended Accessories

Poland



Lenovo Legion H320 7.1 Surround Sound Gaming Headset (Aurora Purple)

GXD1W43663



Lenovo 900 Multi-Device Wireless Mouse

GY51V37443



Lenovo Select Targus 16-inch Mobile Elite Backpack

4X41W54716



Lenovo USB 20Gbps USB-C to USB-C Cable 1.5m

4X91U92143



Lenovo PS8S Portable SSD 4TB

4XB1T91892



Lenovo Select FHD Webcam Gen2

GXC1S15023

>> View More Accessories

Lenovo may not offer the products, services or features discussed in this document in all regions. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area. Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. Lenovo provides this publication "as is" without warranty of any kind, either express or implied, including the implied warranties of merchantability or fitness for a particular purpose.

Legion Pro 7 16IRX9H 83DE0055PB

PERFORMANCE

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

AI PC Category
AI-Powered Gaming PC[1]

Graphics
NVIDIA GeForce RTX™ 4090 16GB GDDR6, Boost Clock 2040MHz, TGP 175W, 686 AI TOPS

Chipset
Intel® HM770 Chipset

Memory
2x 16GB SODIMM DDR5-5600

Memory Slots
Two DDR5 SODIMM slots, dual-channel capable

Max Memory[2]
Up to 32GB DDR5-5600 offering

Storage
1TB SSD M.2 2280 PCIe® 4.0x4 NVMe®

Storage Slot
Two M.2 2280 PCIe® 4.0 x4 slots

Max Storage Support[3]
Up to two drives, 2x M.2 SSD • M.2 2280 SSD up to 1TB each

Optical
None

Card Reader
No 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)

Microphone
2x, Array

Camera
FHD 1080p with E-shutter

Battery
99.9Wh

Power Adapter
330W Slim Tip Tiny GaN (3-pin)

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

DESIGN

Display
16" WQXGA (2560x1600) IPS 500nits Anti-glare, 100% DCI-P3, 240Hz, DisplayHDR™ 400, Dolby Vision®, G-SYNC®, Low Blue Light, High Gaming Performance[4]

Touchscreen
None

Screen-to-Body Ratio
93.59% AAR (active area ratio)

Color Calibration
Factory Color Calibration

Pen
Pen Not Supported

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

Touchpad
Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP), 75 x 120 mm (2.95 x 4.72 inches)

Dimensions (WxDxH)[5]
363.5 x 262.1 x 21.95-25.9 mm (14.31 x 10.32 x 0.86-1.02 inches)

Weight[6]
Around 2.62 kg (5.78 lbs)

Case Color
Eclipse Black (with Per-key RGB Backlit Keyboard)

Case Material
Aluminium (Top), Aluminium (Bottom)

Surface Treatment
Anodizing

SOFTWARE

Operating System
None

Bundled Software
None

CONNECTIVITY

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

WWAN
WWAN Not Supported

Ethernet
100/1000M (RJ-45)

Standard Ports
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 3x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with Lenovo® PD 140W and DisplayPort™ 1.4
- 1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with DisplayPort™ 1.4
- 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)
- 1x Slim tip Power connector

SECURITY & PRIVACY

Security Chip
Firmware TPM 2.0 Enabled

Fingerprint Reader
No Fingerprint Reader

Other Security
E-shutter

SERVICE

Base Warranty
2-year, Courier or Carry-in with 1-year Battery

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

ACCESSORIES

Bundled Accessories
4 Switchable Keycaps and Easy Tool + Lenovo Legion™ Gaming Speed Mouse Pad M

CERTIFICATIONS

Green Certifications
- ErP Lot 3
- RoHS compliant

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

MODEL

TopSeller : No
EAN / UPC / JAN: 197530718588
Announce Date: 2024-01-22
End of Support : 2029-12-06

Note:
[1] AI-Powered Gaming PCs feature Lenovo AI Engine+ and NVIDIA GeForce RTX GPUs to handle AI-driven tasks and deliver exceptional gaming performance.
[2] The max memory is based on the test results with current Lenovo memory offerings.
[3] The storage capacity supported is based on the test results with current Lenovo storage offerings.
[4] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.
[5] The system dimensions may vary depending on configurations.
[6] 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.

- Please refer to the official Lenovo store website or contact a local Lenovo sales representative or authorized business partner for current inventory and purchase options.
- Lenovo reserves the right to change specifications without notice.