Legion Pro 7 16IRX8H 82WQ001GGE

Lenovo

PSREF
Product Specifications Reference

PERFORMANCE

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

Graphics
NVIDIA® GeForce RTX™ 4080 12GB GDDR6, Boost Clock 2280MHz, 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
Up to 32GB DDR5-5600 offering

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

Storage Support
Up to two drives, 2x M.2 SSD
• M.2 2280 SSD up to 1TB

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 certification, optimized with Nahimic Audio, Smart Amplifier (AMP)

Camera
FHD 1080p with E-shutter

Microphone
2x, Array

Battery
Integrated 99.9Wh

Max Battery Life
Models with 99.9Wh battery:
MobileMark® 2018: 4.4 hr
Local video (1080p) playback@150nits: 5.5 hr

Power Adapter
330W Slim Tip (3-pin)

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

DESIGN

Display
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), German

Case Color
Onyx Grey

Surface Treatment
Anodizing

Case Material
Aluminium (Top), Aluminium (Bottom)

Dimensions (WxDxH)
363.4 x 262.15 x 21.95-25.9 mm (14.3 x 10.32 x 0.86-1.01 inches)

Weight
Less than 2.8 kg (6.17 lbs)

SOFTWARE

Operating System
Windows® 11 Home, German

Bundled Software
Office Trial

CONNECTIVITY

Ethernet
100/1000M (RJ-45)

WLAN + Bluetooth®
Intel Killer Wi-Fi® 6E AX1675i, 11ax 2x2 + BT5.1

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

SECURITY & PRIVACY

Security Chip
Firmware TPM 2.0

Fingerprint Reader
None

Other Security
E-Camera shutter

SERVICE

Base Warranty
2-year, Courier or Carry-in

Included Upgrade
3Y Premium Care with Onsite upgrade from 2Y Courier/Carry-in (5WS0T73722), CO2 Offset 1.5 ton (5WS1H38501)

ACCESSORIES

Bundled Accessories
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**	: 2023-01-20
EAN / UPC / JAN	: 196803534139	**End of Support**	: 2029-02-13

· Lenovo reserves the right to change specifications or other product information without notice.
· Product image on this page is a sample, it may not match the real color of this model
· Battery life is an estimated maximum. Actual battery life may vary based on many factors, including screen brightness, active applications, features, power management settings, battery age and conditioning, and other customer preferences