

PERFORMANCE

Processor

AMD Ryzen™ 9 PRO 7940HS (8C / 16T, 4.0 / 5.2GHz, 8MB L2 / 16MB L3)

Graphics

NVIDIA® RTX 2000 Ada Generation 8GB GDDR6

Chipset

AMD SoC Platform

Memory

2x 32GB SO-DIMM DDR5-5600 Non-ECC

Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

Max Memory

Up to 64GB (2x 32GB DDR5 SO-DIMM)

Storage

2TB SSD M.2 2280 PCIe® 4.0x4 Performance NVMe® Opal 2.0

Storage Support^[1]

Up to two drives, 2x M.2 SSD
• M.2 2280 SSD up to 4TB, 2TB each

Storage Slot

Two M.2 2280 PCIe® 4.0 x4 slots

Card Reader

SD 7.0 Card Reader

Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

Speakers

Stereo speakers, 2W x2, Dolby Audio™

Camera

5.0MP + IR with Privacy Shutter and Human Presence Detection

Microphone

2x, Array

Battery

Integrated 90Wh

Power Adapter

170W Slim Tip (3-pin)

DESIGN

Display^[2]

16" WQUXGA (3840x2400) IPS 800nits Anti-glare, 100% DCI-P3, DisplayHDR™ 400, Dolby Vision®, Eyesafe®

Color Calibration

Factory Color Calibration

Keyboard

Backlit, German

Case Color

Thunder Black

Case Material

PC-ABS (Top), PC-ABS (Bottom)

Pen

No Support

Dimensions (WxDxH)^[3]

365 x 262 x 24.66 mm (14.37 x 10.32 x 0.97 inches)

Weight^[4]

Starting at 2.2 kg (4.85 lbs)

SOFTWARE

Operating System

Windows® 11 Pro, German

CONNECTIVITY

Ethernet

No Onboard Ethernet

WLAN + Bluetooth^[5]

Qualcomm® Wi-Fi® 6E NFA725A, 802.11ax 2x2 + BT5.3

WWAN

WWAN Upgradable to 4G

Standard Ports^[6]

- 2x USB 3.2 Gen 1 (one Always On)
- 2x USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x SD Express 7.0 card reader
- 1x Security keyhole

Optional Ports (configured)

1x Nano-SIM Card Slot

Docking

Various docking solutions supported via Thunderbolt™ or USB-C®.

For more compatible docking solutions, please visit

[Docking for ThinkPad® P16v Gen 1 \(AMD\)](#)

SECURITY & PRIVACY

Security Chip

Microsoft® Pluton TPM 2.0 Enabled

Fingerprint Reader

Touch Style, Match-on-Chip, Integrated in Power Button

Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

Other Security

- Camera privacy shutter (camera models)
- IR camera for Windows® Hello (facial recognition)
- Ultrasonic Human Presence Detection for IR camera
- Bottom cover tamper detection

MANAGEABILITY

System Management

AMD PRO Manageability 2.0

SERVICE

Base Warranty

3-year, Courier or Carry-in

Included Upgrade

CO2 Offset 0.5 ton, 3Y Premier Support Upgrade from 3Y Courier/Carry-In WHB(CPN)

CERTIFICATIONS

Green Certifications^[7]

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered
- RoHS compliant
- TCO Certified 9.0

Other Certifications

- Eyesafe® Certified
- TÜV Rheinland® Low Blue Light

Mil-Spec Test

MIL-STD-810H military test passed

ISV Certifications

Please visit [ISV certifications for Lenovo® Workstations](#)

MODEL

TopSeller	: Yes	Announce Date	: 2024-01-16
EAN / UPC / JAN	: 0197530274305	End of Support	: 2030-02-25



Product image is a sample, it may not match the real color of this model

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to <https://psref.lenovo.com/Detail/2342?M=21FE0031GE>