

PERFORMANCE

Processor

AMD Ryzen™ 7 7840HS (8C / 16T, 3.8 / 5.1GHz, 8MB L2 / 16MB L3)

Graphics

NVIDIA® RTX A500 4GB GDDR6

Chipset

AMD SoC Platform

Memory

1x 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

1TB 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 Hybrid with Privacy Shutter and Human Presence Detection

Microphone

2x, Array

Battery

Integrated 90Wh

Power Adapter

170W Slim Tip (3-pin)

DESIGN

Display⁽²⁾

16" WUXGA (1920x1200) IPS 300nits Anti-glare, 45% NTSC

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 10.31 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, 11ax 2x2 + BT5.1

WWAN

WWAN Upgradable to 4G

Standard Ports⁽⁶⁾

- 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
- 2x USB 3.2 Gen 1 (one Always On)
- 2x USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)

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

- Ultrasonic Human Presence Detection for IR camera
- Camera privacy shutter
- Bottom cover tamper detection
- IR camera for Windows® Hello

MANAGEABILITY

System Management

Non-DASH

SERVICE

Base Warranty

3-year, Courier or Carry-in

Included Upgrade

CO2 Offset 0.5 ton, 1Y Premier Support from 3Y Depot Windchill bundles (CPN)

CERTIFICATIONS

Green Certifications⁽⁷⁾

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

Mil-Spec Test

MIL-STD-810H military test passed

ISV Certifications

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

MODEL

TopSeller : Yes

Announce Date : 2023-08-22

EAN / UPC / JAN : 0197528110288

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=21FE0005GE>