

PERFORMANCE**Processor**

Intel® Core™ i9-13900H, 14C (6P + 8E) / 20T, P-core 2.6 / 5.4GHz, E-core 1.9 / 4.1GHz, 24MB

Graphics

NVIDIA® RTX 2000 Ada Generation 8GB GDDR6

Chipset

Intel 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 96GB (2x 48GB 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™ Premium

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" 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 10.31 x 0.97 inches)

Weight^[4]

Starting at 2.2 kg (4.85 lbs)

SOFTWARE**Operating System**

Windows® 11 Pro, German

Bundled Software

Intel Connectivity Performance Suite

CONNECTIVITY**Ethernet**

No Onboard Ethernet

WLAN + Bluetooth^[5]

Intel Wi-Fi® 6E AX211, 11ax 2x2 + BT5.3

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 Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 2x USB 3.2 Gen 1 (one Always On)

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 \(Intel\)](#)

SECURITY & PRIVACY**Security Chip**

Discrete 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^[7]**

Intel® vPro® Enterprise

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^[8]**

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

Other Certifications

- Eyesafe® Certified 2.0
- 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 : 2023-11-21

EAN / UPC / JAN : 0197531458612

End of Support : 2030-01-06

Note:

[1] The storage capacity supported is based on the test results with current Lenovo storage offerings.

[2] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

[3] The system dimensions may vary depending on configurations.

[4] 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.

[5] Wi-Fi 6E full features might be limited by country-level.....

• Lenovo reserves the right to change specifications without notice.

To see more note information, please link to

<https://psref.lenovo.com/Detail/2328?M=21FC0049GE>