

PERFORMANCE

Processor

Intel® Core™ i9-13980HX, 24C (8P + 16E) / 32T, P-core 2.2 / 5.6GHz, E-core 1.6 / 4.0GHz, 36MB

Graphics

NVIDIA® RTX 5000 Ada Generation 16GB GDDR6 ECC

Chipset

Intel WM790 Chipset

Memory

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

Memory Slots

Four DDR5 SO-DIMM slots, dual-channel capable

Max Memory

Up to 192GB (4x 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 8TB, 4TB each
- RAID 0/1 support

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® ALC3306 codec

Speakers

Stereo speakers, 2W x2, Dolby® Atmos®

Camera

FHD 1080p + IR Hybrid with Privacy Shutter and Human Presence Detection

Microphone

2x, Array

Battery

Integrated 94Wh

Power Adapter

230W Slim Tip (3-pin)

DESIGN

Display

16" WQUXGA (3840x2400) OLED 400nits Anti-reflection / Anti-smudge, 100% DCI-P3, DisplayHDR™ True Black 500, Dolby Vision™, Eyesafe®, Touch

Touchscreen

OGM, 10-point Multi-touch

Color Calibration

Factory Color Calibration

Keyboard

Backlit, German

Case Color

Storm Grey (Top), Villi Black (Bottom)

Case Material

Aluminium (Top), PPS + 50% GF (Bottom)

Pen

Pen Upgradable (Purchase Separately)

Dimensions (WxDxH)^[2]

364 x 266 x 30.23 mm (14.3 x 10.5 x 1.2 inches)

Weight^[3]

Starting at 2.95 kg (6.5 lbs)

SOFTWARE

Operating System

Windows® 11 Pro, German

CONNECTIVITY

Ethernet

No Onboard Ethernet

WLAN + Bluetooth^[4]

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

WWAN

WWAN Upgradable to 4G

Standard Ports^[5]

- 1x Headphone / microphone combo jack (3.5mm)
- 1x SD Express 7.0 card reader
- 1x USB-C® 3.2 Gen 2 (support data transfer and Power Delivery 3.0)
- 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)
- Models with NVIDIA graphics: 1x HDMI® 2.1, up to 8K/60Hz

Optional Ports (configured)

- 1x Smart Card Reader
- 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® P16 Gen 2](#)

SECURITY & PRIVACY

Smart Card Reader

Smart Card Reader

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

Non-vPro®

SERVICE

Base Warranty

3-year, Courier or Carry-in

Included Upgrade

CO2 Offset 0.5 ton, 3Y Premier TP WS WHB (CPN)

CERTIFICATIONS

Green Certifications^[6]

- 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** : 2023-10-03

EAN / UPC / JAN : 0197531066541 **End of Support** : 2029-12-30

Note:

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

^[2] The system dimensions may vary depending on configurations.

^[3] The system weight is approximate and based on results in.....

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to

<https://psref.lenovo.com/Detail/2323?M=21FA0049GE>