

PERFORMANCE

Processor

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

AI PC Category

AI-Ready Workstations

Graphics

NVIDIA® RTX 5000 Ada Generation 16GB GDDR6 ECC

Chipset

Intel® WM790 Chipset

Memory^[1]

2x 48GB SO-DIMM DDR5-5600 Non-ECC

Memory Slots

Four DDR5 SO-DIMM slots, dual-channel capable

Storage

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

Storage Support^[2]

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^[3]

16" WQXGA (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)^[4]

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

Weight^[5]

Starting at 2.95 kg (6.5 lbs)

SOFTWARE

Operating System

Windows® 11 Pro, German

CONNECTIVITY

Ethernet^[6]

No Onboard Ethernet

WLAN + Bluetooth^[7]

Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 + BT5.3

WWAN

WWAN Upgradable to 4G

Standard Ports^[8]

- Models with discrete graphics: 1x HDMI® 2.1, up to 8K/60Hz or 4K/240Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x SD Express 7.0 card reader
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with USB PD 3.0
- 2x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)

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

- Camera privacy shutter (camera models)
- Bottom cover tamper detection

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

- 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	: 2024-10-18
EAN / UPC / JAN	: 0198155743542	End of Support	: 2029-12-30

Note:

[1] System comes with DDR5-5600 memory and will run at lower speed due to platform limitations:

4x 32GB / 4x 48GB configurations run at 3600 MT/s.

Other configurations run at 4000 MT/s.

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

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

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

[5] 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.

[6] Ethernet support via optional docking or Lenovo USB-C to Ethernet Adapter, up to 2.5GbE.

[7] 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/2323?M=21FA005QGE>