PERFORMANCE

Processor
Intel® Core™ i7-14700HX, 20C (8P + 12E) / 28T, P-core 2.1 / 5.5GHz, E-core 1.5 / 3.9GHz, 33MB

AI PC Category
AI-Ready Workstations

Graphics
NVIDIA® RTX 1000 Ada Generation 6GB GDDR6

Chipset
Intel® WM790 Chipset

Memory[1]
2x 16GB SO-DIMM DDR5-5600 Non-ECC

Memory Slots
Four DDR5 SO-DIMM slots, dual-channel capable

Max Memory
Models with Non-ECC memory: Up to 192GB (4x 48GB SO-DIMM DDR5-5600 Non-ECC)

Storage
1TB 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
170W Slim Tip (3-pin)

DESIGN

Display
16" WQXGA (2560x1600) IPS 500nits Anti-glare, 100% sRGB, 165Hz, Eyesafe®

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
No Support

Dimensions (WxDxH)[3]
364 x 266 x 30.23 mm (14.3 x 10.5 x 1.2 inches)

Weight[4]
Starting at 2.95 kg (6.5 lbs)

SOFTWARE

Operating System
Windows® 11 Pro, German

CONNECTIVITY

Ethernet
No Onboard Ethernet

WLAN + Bluetooth®[5]
Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 + BT5.3

WWAN
WWAN Upgradable to 4G

Standard Ports[6]
• 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)
• 1x Headphone / microphone combo jack (3.5mm)
• 1x SD Express 7.0 card reader

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)
• IR camera for Windows® Hello (facial recognition)
• Ultrasonic Human Presence Detection for IR camera
• 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[7]
• 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**	: 2024-03-26
EAN / UPC / JAN	: 0198153483075	**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] 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/2323?M=21FA004RGE