

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 3500 Ada Generation 12GB GDDR6 ECC

Chipset

Intel® WM790 Chipset

Memory^[1]

2x 32GB 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

230W Slim Tip (3-pin)

DESIGN

Display^[3]

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

Pen Not Supported

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]

- 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 HDMI® 2.1, up to 8K/60Hz or 4K/240Hz (models with discrete graphics)
- 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

- 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	: 2024-08-11
EAN / UPC / JAN	: 0198155124686	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.....

• Lenovo reserves the right to change specifications without notice.

To see more note information, please link to

<https://psref.lenovo.com/Detail/2323?M=21FA005HGE>

Premier Support - A direct 24x7x365 line to our most elite technicians.



Advanced technical support, 24x7x365, in more than 100 markets



Technical Account Managers for proactive relationship and escalation management



Comprehensive hardware & OEM software support



Priority on service delivery and repair parts



Single point of contact for simplified end-to-end case management



Lenovo Service Connect Portal for customized reporting and product support

Accidental Damage Protection - Protection of your PC from the unexpected.

Experience shows that a significant portion of devices may be damaged (and not covered under warranty) in the first three years. Lenovo's Accidental Damage Protection service covers accidents beyond the system warranty such as drops, spills, bumps and even electrical surges. Make sure your new device has maximum protection, avoid unplanned costs and get peace of mind.

Base Warranty - Included with the systems you purchase, default 1- or 3-year coverage window.

Warranty Extensions & Upgrades - Service and protection that's right for your circumstances.

- Pick Up & Return Courier
- Onsite Support
- Technician Installed Customer
- Replaceable Unit Service
- International Warranty Upgrade

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Recommended Accessories



ThinkPad USB-C Dock Gen 2

40AS0090US

- Lenovo understands that modern business depends on a wide variety of PC's and even brands to meet their business needs. To make this easier Lenovo USB-C dock is compatible with Lenovo notebooks as well as note...

Recommended Services

BEST	3Y Premier Support Plus (5WS1L39135)
BETTER	3Y Keep Your Drive (5PS0V07097)
GOOD	3Y Sealed Battery (5WS0V07085)

For a full list of accessories and services, please visit:
<https://smartfind.Lenovo.com>



PSREF
Product Specifications
Reference