

ThinkPad P16 Gen 2

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 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 <ul style="list-style-type: none">• 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, Spanish
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, Spanish
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]
<ul style="list-style-type: none">• 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)
<ul style="list-style-type: none">• 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

• Bottom cover tamper detection

• Camera privacy shutter (camera models)

• Ultrasonic Human Presence Detection for IR camera

• IR camera for Windows® Hello (facial recognition)

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^[9]

• 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

: 0198153483853

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=21FA004TSP>

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

- 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 upgrade from 3Y Premier Support (5WS1L39135)
BETTER	5Y Premier Support upgrade from 3Y Premier Support (5WS0W86655)
GOOD	3Y Lenovo Support (KYD + SBTY + International Upg) (5PS1D67026)

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

PSREF
Product Specifications
Reference