

# ThinkPad P16 Gen 2

## PSREF

Product Specifications  
Reference

### 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 2000 Ada Generation 8GB GDDR6

**Chipset**  
Intel® WM790 Chipset

**Memory<sup>[1]</sup>**  
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<sup>[2]</sup>**  
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<sup>[3]</sup>**  
16" WQXGA (2560x1600) IPS 500nits Anti-glare, 100% sRGB, 165Hz, Eyesafe®

**Color Calibration**  
Factory Color Calibration

**Keyboard**  
Backlit, Italian

**Case Color**  
Storm Grey (Top), Villi Black (Bottom)

**Case Material**  
Aluminium (Top), PPS + 50% GF (Bottom)

**Pen**  
Pen Not Supported

**Dimensions (WxDxH)<sup>[4]</sup>**  
364 x 266 x 30.23 mm (14.3 x 10.5 x 1.2 inches)

**Weight<sup>[5]</sup>**  
Starting at 2.95 kg (6.5 lbs)

### SOFTWARE

**Operating System**  
Windows® 11 Pro, WE (EN/FR/DE/NL/IT)

### CONNECTIVITY

**Ethernet<sup>[6]</sup>**  
No Onboard Ethernet

**WLAN + Bluetooth<sup>[7]</sup>**  
Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 + BT5.3

**WWAN**  
WWAN Upgradable to 4G

**Standard Ports<sup>[8]</sup>**

- 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**

- Bottom cover tamper detection
- Camera privacy shutter (camera models)
- IR camera for Windows® Hello (facial recognition)
- Ultrasonic Human Presence Detection for IR camera

### 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<sup>[9]</sup>**

- 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

<b>TopSeller</b>	: Yes	<b>Announce Date</b>	: 2023-05-30
<b>EAN / UPC / JAN</b>	: 0197529520765	<b>End of Support</b>	: 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=21FA000AIX>

## 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	3Y Lenovo Support (KYD + SBTY + International Upg) (5PS1D67026)
GOOD	3Y Accidental Damage Protection Add On (5PS0V07049)

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

**PSREF**  
Product Specifications  
Reference