# ThinkPad P16 Gen 2 21FA0005MZ

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

**Graphics**
NVIDIA® RTX 4000 Ada Generation 12GB GDDR6 ECC

**Chipset**
Intel WM790 Chipset

**Memory**
2x 16GB SO-DIMM DDR5-5600 Non-ECC

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

**Max Memory**
Up to 192GB (4x 48GB DDR5 SO-DIMM)

**Storage**
1TB SSD M.2 2280 PCIe® 4.0x4 Performance NVMe® Opal 2.0

**Storage Support**[1]
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**
16" WQXGA (2560x1600) IPS 500nits Anti-glare, 100% sRGB, 165Hz, Eyesafe®

**Color Calibration**
Factory Color Calibration

**Keyboard**
Backlit, Swiss

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

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

**Pen**
No Support

**Dimensions (WxDxH)**[2]
364 x 266 x 30.23 mm (14.3 x 10.5 x 1.2 inches)

**Weight**[3]
Starting at 2.95 kg (6.5 lbs)

## SOFTWARE

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

## CONNECTIVITY

**Ethernet**
No Onboard Ethernet

**WLAN + Bluetooth®**[4]
Intel Wi-Fi® 6E AX211, 11ax 2x2 + BT5.1

**WWAN**
WWAN Upgradable to 4G

**Standard Ports**[5]
- Models with NVIDIA graphics: 1x HDMI® 2.1, up to 8K/60Hz
- 2x USB 3.2 Gen 1 (one Always On)
- 1x USB-C® 3.2 Gen 2 (support data transfer and Power Delivery 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**
- Ultrasonic Human Presence Detection for IR camera
- Camera privacy shutter
- Bottom cover tamper detection
- IR camera for Windows® Hello

## 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**[6]
- ENERGY STAR® 8.0
- EPEAT™ Gold Registered
- TCO Certified 9.0
- RoHS compliant

**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** | : 2023-05-30 |
| **EAN / UPC / JAN** | : 0197529530375 | **End of Support** | : 2029-12-30 |

Note:
[1] The storage capacity supported is based on the test results with current Lenovo storage offerings.
[2] The system dimensions may vary depending on configurations.
[3] 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.
[4] Bluetooth 5.3 is hardware ready but may run at a lower.....
· Lenovo reserves the right to change specifications without notice.
To see more note information, please link to

https://psref.lenovo.com/Detail/2323?M=21FA0005MZ

## 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 | 4Y Lenovo Support (Premier Support + KYD + 3Y SBTY + International Upg) (5PS1D67029) |
| BETTER | 4Y Premier Support upgrade from 3Y Premier Support (5WS0W86674) |
| GOOD | 3Y Sealed Battery Add On (5WS0V07085) |

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

Lenovo **PSREF**
**Product Specifications Reference**