

## PERFORMANCE

### Processor

Intel® Core™ i7-13850HX, 20C (8P + 12E) / 28T, P-core 2.1 / 5.3GHz, E-core 1.5 / 3.8GHz, 30MB

### Graphics

NVIDIA® RTX 3500 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<sup>(12)</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<sup>(13)</sup>

230W Slim Tip (3-pin)

## DESIGN

### Display<sup>(14)(15)</sup>

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)<sup>(16)</sup>

364 x 266 x 30.23 mm (14.3 x 10.5 x 1.2 inches)

### Weight<sup>(17)</sup>

Starting at 2.95 kg (6.5 lbs)

## SOFTWARE

### Operating System<sup>(18)</sup>

Windows® 11 Pro, WE (EN/FR/DE/NL/IT)

## CONNECTIVITY

### Ethernet<sup>(19)(20)</sup>

No Onboard Ethernet

### WLAN + Bluetooth<sup>(21)(22)</sup>

Intel Wi-Fi® 6E AX211, 11ax 2x2 + BT5.1

### WWAN

WWAN Upgradable to 4G

### Standard Ports<sup>(23)</sup>

- Models with NVIDIA graphics: 1x HDMI®, 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

- Camera privacy shutter
- Human Presence Detection
- IR camera for Windows® Hello
- Ultrasonic Human Presence Detection for IR camera
- Bottom cover tamper detection

## MANAGEABILITY

### System Management

Intel® vPro® Enterprise

## SERVICE

### Base Warranty

3-year, Courier or Carry-in

### Included Upgrade

CO2 Offset 0.5 ton (5WSOZ74930), 3Y Premier TP WS WHB (CPN) (5WSIB09494)

## CERTIFICATIONS

### Green Certifications<sup>(24)</sup>

- EPEAT™ Gold Registered
  - ENERGY STAR® 8.0
  - 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** : 0197529529768 **End of Support** : 2029-12-30

To see more note information, please link to

[https://psref.lenovo.com/Detail/ThinkPad\\_P16\\_Gen\\_2?M=21FA000TMZ](https://psref.lenovo.com/Detail/ThinkPad_P16_Gen_2?M=21FA000TMZ).

· Lenovo reserves the right to change specifications or other product information without notice.

· Product image on this page is a sample, it may not match the real color of this model

· Battery life is an estimated maximum. Actual battery life may vary based on many factors, including screen brightness, active applications, features, power management settings, battery age and conditioning, and other customer preferences

## 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

Lenovo may not offer the products, services or features discussed in this document in all regions. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area. Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. Lenovo provides this publication "as is" without warranty of any kind, either express or implied, including the implied warranties of merchantability or fitness for a particular purpose.

## Recommended Accessories



### ThinkPad Hybrid USB-C with USB-A Dock (American Standard Plug Type B)

40AF0135US

The ThinkPad Hybrid USB-C with USB-A Dock expands the capabilities of most any laptop, new or old, making it perfect for enterprise customers with mixed-PC or shared-desk environments. Featuring enterprise-class manag...

## 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>



**PSREF**  
Product Specifications  
Reference