

## PERFORMANCE

### Processor

Intel® Core™ i7-13700H, 14C (6P + 8E) / 20T, P-core 2.4 / 5.0GHz, E-core 1.8 / 3.7GHz, 24MB

### Graphics

NVIDIA® RTX A500 4GB GDDR6

### Chipset

Intel SoC Platform

### Memory

1x 16GB SO-DIMM DDR5-5600 Non-ECC

### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

### Max Memory

Up to 96GB (2x 48GB DDR5 SO-DIMM)

### Storage

512GB SSD M.2 2280 PCIe® 4.0x4 Performance NVMe® Opal 2.0

### Storage Support<sup>(13)</sup>

Up to two drives, 2x M.2 SSD  
• M.2 2280 SSD up to 4TB, 2TB each

### 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® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby® Audio™ Premium

### Camera

5.0MP + IR Hybrid with Privacy Shutter and Human Presence Detection

### Microphone

2x, Array

### Battery

Integrated 90Wh

### Power Adapter<sup>(14)</sup>

170W Slim Tip (3-pin)

## DESIGN

### Display<sup>(15)(16)</sup>

16" WUXGA (1920x1200) IPS 300nits Anti-glare, 45% NTSC

### Keyboard

Backlit, English

### Case Color

Thunder Black

### Case Material

PC-ABS (Top), PC-ABS (Bottom)

### Pen

No Support

### Dimensions (WxDxH)<sup>(17)</sup>

365 x 262 x 24.66 mm (14.37 x 10.31 x 0.97 inches)

### Weight<sup>(18)</sup>

Starting at 2.2 kg (4.85 lbs)

## SOFTWARE

### Operating System<sup>(19)</sup>

Windows® 11 Pro, English

## CONNECTIVITY

### Ethernet<sup>(20)(21)</sup>

No Onboard Ethernet

### WLAN + Bluetooth<sup>(22)(23)</sup>

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

### WWAN

WWAN Upgradable to 4G

### Standard Ports<sup>(24)(25)(26)</sup>

- 2x USB 3.2 Gen 1 (one Always On)
- 2x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x HDMI®, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x SD Express 7.0 card reader
- 1x Security keyhole

### Optional Ports (configured)

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® P16v Gen 1 \(Intel\)](#)

## SECURITY & PRIVACY

### 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
- Ultrasonic Human Presence Detection for IR camera
- IR camera for Windows® Hello
- Bottom cover tamper detection

## MANAGEABILITY

### System Management

Non-vPro®

## SERVICE

### Base Warranty

3-year, Courier or Carry-in

### Included Upgrade

3Y Sealed Battery Add On (5WS1H31713), 3Y Premier Support Upgrade from 3Y Courier/CCI (5WS1H31725)

## CERTIFICATIONS

### Green Certifications<sup>(27)</sup>

- EPEAT™ Gold Registered
- ENERGY STAR® 8.0
- TCO Certified 9.0
- RoHS compliant

### Mil-Spec Test

MIL-STD-810H military test passed

### ISV Certifications

Please visit [ISV certifications for Lenovo® Workstations](#)

## MODEL

TopSeller : Yes      Announce Date : 2023-06-06

EAN / UPC / JAN : 197529681459      End of Support : 2030-01-06



To see more note information, please link to [https://psref.lenovo.com/Detail/ThinkPad\\_P16v\\_Gen\\_1\\_Intel?M=21FC001TUS](https://psref.lenovo.com/Detail/ThinkPad_P16v_Gen_1_Intel?M=21FC001TUS).

· Lenovo reserves the right to change specifications or other product information without notice.  
· Battery life is an estimated maximum. Actual battery life may vary by hardware or system settings, active applications, battery conditioning, etc.  
· California Electronic Waste Recycling Fee In California, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product. For more information, go to: <https://www.calrecycle.ca.gov/Electronics/Consumer>

## 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 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	5Y Lenovo Protect (Premier Support + ADP + KYD + International Service Entitlement) For Embedded MTM (5PS1K54547)
BETTER	4Y Lenovo Support (Premier Support + KYD + International Service Entitlement) For Embedded MTM (5PS1K54545)
GOOD	3Y Lenovo Protect (ADP + KYD + International Service Entitlement) For Embedded MTM (5PS1K54544)

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



**PSREF**  
Product Specifications  
Reference