

# ThinkPad P16v Gen 1 (Intel)

## PSREF

Product Specifications  
Reference

### 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<sup>[1]</sup>

2x 8GB SO-DIMM DDR5-5600 Non-ECC

#### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

#### Max Memory

Up to 64GB (2x 32GB DDR5 SO-DIMM)

#### Storage

512GB 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 4TB, 2TB each

#### Storage Slot

Two M.2 2280 PCIe® 4.0 x4 slots

#### RAID Preset

None

#### 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 with Privacy Shutter and Human Presence Detection

#### Microphone

2x, Array

#### Battery

90Wh

#### Power Adapter

170W Slim Tip (3-pin)

### DESIGN

#### Display<sup>[3]</sup>

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

#### Touchscreen

None

#### Color Calibration

None

#### Keyboard

Backlit, French

#### Case Color

Thunder Black

#### Case Material

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

#### Pen

Pen Not Supported

#### Dimensions (WxDxH)<sup>[4]</sup>

365 x 262 x 24.66 mm (14.37 x 10.32 x 0.97 inches)

#### Weight<sup>[5]</sup>

Starting at 2.2 kg (4.85 lbs)

### SOFTWARE

#### Operating System<sup>[6]</sup>

Windows® 11 Pro, French

#### Bundled Software

None

### CONNECTIVITY

#### WLAN + Bluetooth<sup>[7]</sup>

Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 + BT5.3

#### WWAN

Non-WWAN

#### SIM Card

None

#### Ethernet<sup>[8]</sup>

No Onboard Ethernet

#### NFC

None

#### Standard Ports

- 2x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with DisplayPort™ 1.4
- 2x USB 3.2 Gen 1 (one Always On)
- 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x SD Express 7.0 card reader
- 1x Security keyhole

#### Optional Ports (configured)

None

#### 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

#### Smart Card Reader

None

#### 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

3Y Sealed Battery Add On, 3Y Premier Support Upgrade from 3Y Courier/Carry-in

### ACCESSORIES

#### Bundled Accessories<sup>[9]</sup>

None

### CERTIFICATIONS

#### Green Certifications

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

#### Mil-Spec Test

MIL-STD-810H military test passed

#### ISV Certifications

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

### MODEL

TopSeller	: Yes	Announce Date	: 2023-08-22
EAN / UPC / JAN	: 197532679283	End of Support	: 2030-01-06

Note:

[1] System comes with DDR5-5600 memory and will run at 5200 MT/s due to platform limitations.

[2] The storage capacity supported is based on the test.....

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to

<https://psref.lenovo.com/Detail/2328?M=21FC0036CA>

## 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 Universal USB-C Dock

THE SMARTER WAY TO WORK Introducing the ThinkPad Universal USB-C Dock. This advanced, universally compatible one-cable docking solution lets you work smarter, not harder. It comes with a vast array of ports, next-gen ...

## Recommended Services

BEST	4Y Premier Support Plus upgrade from 3Y Premier Support (5WS1M86981)
BETTER	3Y Premier Support Plus upgrade from 3Y Premier Support (5WS1L39490)
GOOD	4Y Premier Support upgrade from 3Y Premier Support (5WS1H31743)

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

**PSREF**  
Product Specifications  
Reference