

Lenovo  
**ThinkPad**

**Lenovo ThinkPad P16v / Gen 1**  
Bringing Mainstream to the Masses

Lenovo



Built for creators who demand more value, the Lenovo ThinkPad P16v closes the gap in price and performance between entry-level and high-end workstations and offers the power you need to handle large workloads and multitask with ease.

Processor:

**5.4GHz**  
**14 Cores**

Intel vPro® with 13<sup>th</sup> Gen  
Intel® Core™ i5, i7, i9 H-Series

Graphics:

**NVIDIA RTX™**  
**2000 Ada**

Choice of discrete or  
integrated graphics

Memory:

**96GB**  
**DDR5**

2x SoDIMMs  
5600MHz<sup>1</sup>

Storage:

**4TB M.2**  
**PCIe Gen4**

Up to two 2TB NVMe  
Performance SSDs

## Features



**New Modernized Design**  
Built with sustainable materials and certifications



**16" 16:10 Display**  
Four high quality options to suit your budget



**Security**  
The latest security features including dTPM 2.0, an embedded chip dedicated to storing encryption keys



**ISV Certifications**  
Certified by many of the leading industry software applications

# Lenovo ThinkPad P16v / Gen 1 Product Specifications<sup>^</sup>

## Performance

### Processor

Intel vPro<sup>®</sup> with 13<sup>th</sup> Gen Intel<sup>®</sup> Core™ i5, i7, i9 H-Series (up to 14 cores, up to 5.4GHz)<sup>^</sup>

### Graphics

Discrete: up to NVIDIA RTX™ 2000 Ada 8GB GDDR6 VRAM

Processor Integrated: Intel Iris<sup>®</sup> Xe<sup>2</sup>

### Total Memory

Up to 96GB DDR5 5600MHz<sup>1</sup>

### Memory DIMM Capacity

8GB / 16GB / 32GB / 48GB  
2 SoDIMM slots

### Total Storage

Up to 4TB M.2 PCIe Gen4 NVMe Performance SSD

Up to 2 x 2TB drives

### RAID

0/1

### Camera

FHD Camera with ThinkPad Webcam Privacy Shutter

5MP+IR Hybrid<sup>3</sup> Camera with ThinkPad Webcam Privacy Shutter

### Battery

90Whr

### Power Supply

135W Slim

170W Slim

## Design

### Dimensions (WxDxH)

(mm): 365 x 261.92 x 24.66

(inches): 14.37 x 10.31 x .97

### Weight

Starting at 2.20kg / 4.85lbs

Maximum 2.45kg / 5.40lbs

### Keyboard

ThinkPad Keyboard with Numeric Keypad, Backlit, Spill Resistant

## Display

### 16" 16:10 Display

#### WQUXGA (UHD+) (3840x2400)

- IPS, 800nit, 100% DCI-P3, Anti-Glare, Low Blue Light, HDR400, Dolby Vision, X-Rite FCC, TÜV, Eyesafe<sup>®</sup>

#### WUXGA (FHD+) (1920 x 1200)

- IPS, 300nit, 100% sRGB, Anti-Glare, Low Blue Light, TÜV

- IPS Touch, 300nit, 45% NTSC, Anti-Glare, LCLW

- IPS, 300nit, 45% NTSC, Anti-Glare

## Connectivity

### Ports

(2) USB-A 3.2 Gen 1 (5Gbps)<sup>\*</sup>,  
1 Always On

(2) USB-C<sup>®</sup> Thunderbolt 4

(1) HDMI 2.1<sup>^</sup>

(1) Mic/Headphone Combo Jack

(1) SD Express 7.0 Card Reader

(1) Smart Card Reader<sup>3</sup>

### WLAN

Intel AX211 Garfield Peak 2 Wi-Fi 6E + Bluetooth™ 5.3 vPro<sup>4,5</sup>

### WWAN

Fibocom L860-GL-16 4G LTE CAT16 with eSIM<sup>5</sup>

Near Field Communication (NFC)<sup>3</sup>

### Media Card Reader

SD Express 7.0 Card Reader

1 Memory spec frequency listed; system support frequency may vary by configuration

2 Dual RAM channel required

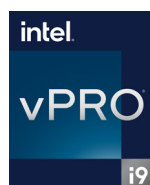
3 Optional

4 6GHz channel of Wi-Fi 6E is only available with Windows 11

5 Bluetooth 5.3 is hardware ready but may run at a lower version due to OS limitation

<sup>^</sup> For a full list of configuration details please visit: <https://psref.lenovo.com>

\* USB port transfer speeds are approximate and depend on many factors, such as processing capability of host/peripheral devices, file attributes, system configuration and operating environments; actual speeds will vary and may be less than expected.



**Smarter  
technology  
for all**

**Lenovo**

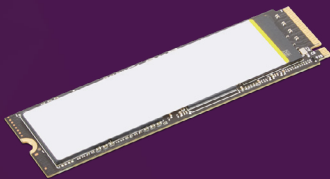
# Lenovo Options & Accessories



ThinkVision P32p-30 Display



ThinkPad Workstation Thunderbolt™ 4 Dock



2TB Performance PCIe Gen4 NVMe OPAL2 M.2 2280 SSD



Scan for system overview, supported components, and technical specifications.

For a full list of accessories and options, please visit: [accsmartfind.lenovo.com](https://accsmartfind.lenovo.com)

For more details on ThinkStation and ThinkPad, please visit: [lenovo.com/workstations](https://lenovo.com/workstations)

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# Lenovo ThinkPad P16v / Gen 1 General Specifications<sup>^</sup>

## Software

### Operating System

Windows 11 Pro

Windows 11 Home

Windows 10 Pro (preinstalled Through downgrade rights in Windows 11 Pro)

Ubuntu<sup>®</sup> Linux<sup>®</sup>1

Red Hat<sup>®</sup> Enterprise Linux<sup>®</sup> (certified)

### Windows Preloads

Lenovo Commercial Vantage

### Additional Features

Ultra Performance Mode

Self Healing BIOS

### ISV Certifications

Including ArcGIS<sup>®</sup>, AutoCAD<sup>®</sup>, CATIA<sup>®</sup>, Creo<sup>®</sup>, Inventor<sup>®</sup>, Microstation<sup>®</sup>, NX<sup>®</sup>, Solid Edge<sup>®</sup>, SOLIDWORKS<sup>®</sup>, Vectorworks<sup>®</sup>, Petrel<sup>®</sup>, Decision Space<sup>®</sup>, 3dsMax<sup>®</sup>, Maya<sup>®</sup>

For a complete list of ISV certifications visit <https://thinkworkstations.com/>

## Security

### ThinkShield

dTPM 2.0

Touch Fingerprint Reader

ThinkPad Webcam Privacy Shutter

Kensington Lock Slot

## Sustainability

### Materials

90% Recycled Magnesium C Cover

85% PCC Plastic Key Caps on Keyboard

90% PCC Plastic Speaker Enclosure

90% PCC Plastic Battery Pack Enclosure

90% PCC Plastic SIM Tray

30% PCC Plastic 135W Slim AC Adapter

30% PCC Plastic 170W Slim AC Adapter

Low Temperature Solder<sup>2</sup>

Plastic free packaging with 90% recycled and/or FSC certified content (standard/bulk)<sup>3</sup>

### Certifications

EPEAT<sup>®4</sup> Gold

ENERGY STAR<sup>®5</sup>

RoHS Compliant

TCO 9.0

## Recommended Services

Lenovo offers a comprehensive portfolio of services to support and protect your ThinkPad investment—so you can focus on your business, not your IT.

### Premier Support

Bypass phone menus and scripted troubleshooting to access advanced-level technicians with the expertise needed to quickly diagnose and solve problems.

### Warranty Extensions

#### (1 to 5 years total duration)

This fixed-term, fixed-cost service helps you accurately budget for PC expenses, protect your valuable investment, and potentially lower the cost of ownership over time.

### Warranty Upgrades—

#### Onsite and Next Business Day

Maximizes PC uptime and productivity by providing convenient, fast repair service the next business day.

1 Select versions available via preload

2 SSD, fingerprint reader module, ClickPad

3 Product packaging shall contain, on average, a minimum total percentage of 90% by weight of any combination of the following materials: Recycled content, biobased plastic, non-wood biobased fiber material, and/or sustainably forested material.

4 Certification available on select models

5 Certification available on select models; EPEAT registered where applicable. EPEAT registration varies by country. See [www.epeat.net](https://www.epeat.net) for registration status by country

<sup>^</sup> For a full list of configuration details please visit: <https://psref.lenovo.com>



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