

Lenovo  
**ThinkPad**

**Lenovo ThinkPad P16v Gen 1 AMD**  
Accessible Power

**Lenovo**



The P16v Gen 1 AMD offers a new, stunning design in a price performance system that closes the gap between entry and high-end mobile workstations and features advanced and power-efficient AMD Ryzen™ PRO 7040 Series processors with Ryzen™ AI, and up to NVIDIA RTX™ 2000 Ada professional graphics providing the perfect balance for mainstream workflows.

**Processor:**

**5.2GHz**  
**8 Cores**

AMD Ryzen PRO 7000 Series  
(5 PRO, 7 PRO, 9 PRO)

**Graphics:**

**NVIDIA RTX**  
**2000 Ada**

Choice of discrete or  
integrated graphics

**Memory:**

**64GB**  
**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 AMD Product Specifications<sup>^</sup>

## Performance

### Processor

AMD Ryzen™ PRO 7000 Series (5 PRO, 7 PRO, 9 PRO) (up to 8 cores, up to 5.2GHz)<sup>^</sup>

### Graphics

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

Processor Integrated: AMD Radeon™ 700M, 4GB VRAM, RDNA™ 3 Architecture + AMD PRO Graphics Driver

### Total Memory

Up to 64GB DDR5 5600MHz<sup>1</sup>

### Memory DIMM Capacity

8GB / 16GB / 32GB  
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 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 2.37kg / 5.22lbs

### 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®

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

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

- 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

(1) USB-C 4.0

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

(1) Mic/Headphone Combo Jack

Optional Smart Card Reader

### WLAN

Qualcomm NFA725A Wi-Fi 6E + Bluetooth™ 5.3<sup>3,4</sup>

### WWAN

Fibocom L860-GL-16 4G LTE CAT16 with eSIM<sup>2</sup>

Near Field Communication (NFC)<sup>2</sup>

### Media Card Reader

SD Express 7.0 Card Reader<sup>2</sup>

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

2 Optional

3 6GHz channel of Wi-Fi 6E is only available with Windows 11

4 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>

<sup>\*</sup> 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.

**AMD**  
**RYZEN**  
PRO

 **NVIDIA**

**Lenovo**

## Lenovo Options & Accessories



ThinkVision P32p Display



ThinkPad Workstation  
Thunderbolt™ 4 Dock  
PN: 40B00300xx



Lenovo Professional Wireless  
Rechargeable Combo  
PN: 4X31K039xx



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)

Visit us on social media:  
[#lenovoworkstations](https://twitter.com/lenovoworkstations)



July 2023 ©Lenovo. All rights reserved. Lenovo is not responsible for photographic or typographic errors. Lenovo makes no representation or warranty regarding third-party products or services. LENOVO, ThinkPad are trademarks of Lenovo.

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

### Software

#### Operating System

Windows 11 Pro

Windows 11 Home

Windows 11 Pro (preinstalled with Windows 10 Pro Downgrade)

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  
<http://www.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

30% 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 Motherboard, Memory, 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](http://www.epeat.net) for registration status by country

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

NVIDIA is a trademark and/or registered trademark of NVIDIA Corporation in the U.S. and other countries. AMD, the AMD Arrow logo, AMD Ryzen and combinations thereof are trademarks of Advanced Micro Devices, Inc. in the United States and/or other jurisdictions. Linux is the registered trademark of Linus Torvalds in the U.S. and other countries. Ubuntu is a registered trademark of Canonical Ltd. Microsoft and Windows are registered trademarks of Microsoft Corporation. Other company, product, and service names may be trademarks or service marks of others.



Lenovo