

Lenovo  
**ThinkPad**

## Lenovo ThinkPad P16v Gen 3

Affordable Power, Maximum Potential.

Lenovo



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That's the power of Intel Inside®

Experience top-tier performance at an accessible price point with the Lenovo ThinkPad P16v. This workstation boasts a sleek, new chassis design with a 16:10 display, narrow bezels, and a high screen-to-body ratio, combining style and durability. Built for speed and precision, the P16v is powered by the latest Intel® Core™ Ultra processors (Series 2) with Intel vPro® technology and an integrated NPU for superior performance and power efficiency. With professional graphics options, including the NVIDIA RTX PRO™ 2000 Blackwell Generation Laptop GPU, creators, designers, and engineers can harness the latest neural rendering, ray tracing, and AI technology—anytime, anywhere.

**Processor:**

**5.4GHz  
16 Cores**

Intel Core Ultra  
Processors (Series 2)

**Graphics:**

**RTX PRO 2000  
Blackwell**

High-performance professional  
graphics and AI acceleration

**Memory:**

**96GB  
DDR5**

6400MT/s  
2x CSODIMMS

**AI:**

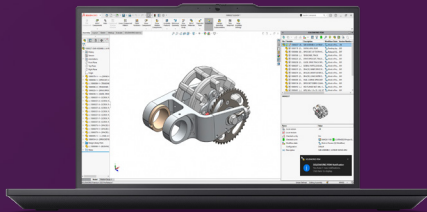
**671  
TOPS**

CPU Package: up to 99 TOPS  
GPU: up to 572 TOPS  
Total: up to 671 TOPS

## Features



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



**16" 16:10 Display**  
Three high quality options including new OLED Touch panel for vibrant colors and deep blacks.



**Accelerate Creativity with AI**  
Optimized for machine learning and generative AI workflows, empowering creators to build, iterate, and innovate faster.



**Reliable Wireless Connectivity**  
Intel Wi-Fi 7 (5G) delivers enhanced bandwidth and reduced latency for seamless streaming, gaming, and productivity.

# Lenovo ThinkPad P16v Gen 3 Product Specifications<sup>^</sup>

## Performance

### Processor

Intel Core Ultra Processors (Series 2)  
H-Series (up to 16 cores, up to 5.4GHz)<sup>1</sup>

### Graphics

Discrete:  
Up to NVIDIA RTX PRO 2000 Blackwell  
Generation Laptop GPU

### AI

CPU: up to 9 TOPS  
NPU: 13 TOPS  
iGPU: up to 77 TOPS  
dGPU: up to 572 TOPS  
Total: up to 671 TOPS

### Total Memory<sup>1</sup>

Up to 64GB DDR5 5600MT/s  
Up to 96GB DDR5 6400MT/s

### Memory DIMM Capacity

16GB / 32GB SODIMM  
32GB / 48GB CSODIMM  
2 SODIMM slots

### Total Storage

Up to 4TB M.2 PCIe<sup>®</sup> Gen5 NVMe  
Performance SSD

Up to 2 x 2TB drives

### RAID

0/1

### Camera

5MP RGB Camera with ThinkPad  
Webcam Privacy Shutter

5MP RGB + IR Camera with ThinkPad  
Webcam Privacy Shutter and Human  
Presence Detection

### Battery

90Whr, Customer Replaceable

### Power Supply

140W PD 3.1 Type-C

## Design

### Dimensions

 (Width x Depth x Front / Rear, Max)

361.5 x 248.6 x 12.8 / 19.55, 26.3mm

14.23 x 9.79 x 0.50 / 0.77, 1.04in

### Weight

Starting at 2.1kg / 4.6lbs

### Keyboard

ThinkPad Keyboard with Numeric  
Keypad, Backlit, Spill Resistant

## Display

### 16" 16:10 Display

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

- OLED Touch, 400nit, 100% DCI-P3,  
Anti-Glare/Anti-Reflective/Anti-  
Smudge, Dolby Vision<sup>®</sup>, X-Rite FCC,  
TÜV Eyesafe<sup>®</sup> Low Blue Light

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

- IPS, Low Power, 500nit, 100% sRGB,  
Anti-Glare, AICCP FCC, TÜV Eyesafe  
Low Blue Light

- IPS, 400nit, 45% NTSC, Anti-Glare,  
AICCP FCC, Low Blue Light

## Connectivity

### Ports

(2) USB-A (10Gbps)<sup>\*</sup>

(2) USB-C<sup>®</sup> (Thunderbolt™ 5)

(1) HDMI<sup>®</sup> 2.1<sup>†</sup>

(1) 1.0Gbps RJ-45

(1) Audio Jack

(1) SD Express 7.0 Card Reader

(1) Smart Card Reader<sup>2</sup>

### Wireless Connectivity

Intel Wi-Fi<sup>®</sup> 7 BE201 (2x2) +  
Bluetooth<sup>®</sup> 5.4<sup>3</sup>

Rolling Wireless RW350R-GL 5G  
sub-6GHz CAT19/CAT18 with eSIM<sup>2,4</sup>

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

### Media Card Reader

SD Express 7.0 Card Reader

<sup>1</sup> Memory spec transfer rate listed; system support transfer rate may vary by configuration

<sup>2</sup> Optional

<sup>3</sup> Bluetooth may be limited by OS

<sup>4</sup> Available in select countries

<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.



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Smarter  
technology  
for all

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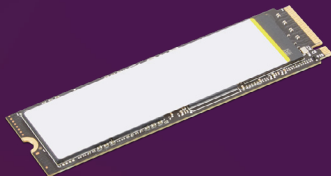
## Lenovo Options & Accessories



**ThinkVision P34WD-40 Display**



**ThinkPad Thunderbolt 5 Smart Dock 7500**



**2TB Performance PCIe Gen5 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 3 General Specifications<sup>^</sup>

### Software

#### Operating System

Windows 11 Pro

Windows 11 Home

Ubuntu<sup>®</sup> Linux<sup>®1</sup>

Red Hat<sup>®</sup> Enterprise Linux<sup>®2</sup>

#### Windows Preloads

Lenovo Commercial Vantage

Lenovo View

Lenovo AI Now

#### Additional Features

Ultra Performance Mode

Self Healing BIOS

#### ISV Certifications

Including Altair<sup>®</sup>, ANSYS<sup>®</sup>, AVEVA, Autodesk<sup>®</sup>, AVID<sup>®</sup>, Barco<sup>®</sup>, Bentley<sup>®</sup>, Dassault<sup>®</sup>, Nemetschek<sup>®</sup>, PTC<sup>®</sup>, Siemens<sup>®</sup>

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

### Security

Intel vPro security

#### ThinkShield

dTPM 2.0

Touch Fingerprint Reader

Human Presence Detection<sup>3</sup>

Kensington Lock Slot

### Sustainability

#### Materials

75% Recycled Aluminum A Cover

30% PCC Plastic C Cover

30% PCC Plastic D Cover

90% PCC Plastic 140W Slim AC Adapter

Low Temperature Solder<sup>4</sup>

Plastic free packaging with 90% recycled and/or FSC certified content (standard/bulk)<sup>5</sup>

#### Certifications

EPEAT<sup>®7,8</sup> Gold

ENERGY STAR<sup>®8</sup>

RoHS Compliant

TCO 10.0

## Recommended Services

### Lenovo's Premier Support Plus

delivers advanced anywhere, anytime seamless support with AI-powered, proactive and preventative services. Also includes Accidental Damage Protection, extended battery warranty (for eligible devices) and Keep Your Drive. You'll minimize downtime, boost productivity, enhance the experience, and free up in-house IT resources from break/fix maintenance.

### Warranty Extensions & Upgrades

Lenovo offers a range of warranty upgrades to suit your business needs, such as next business day upgrades. Warranty extensions allow you to control your device budget, protect your investment and potentially lower the cost of ownership over time.

### Lenovo's Asset Recovery Services

(ARS) enables secure destruction of data, helps reduce e-waste, and offers a fair market value for your end-of-life IT assets. The service also supports equipment from any manufacturer including PCs & tablets, monitors, servers, phones, printers, copiers and networking equipment.

**Lenovo CO<sub>2</sub> Offset Service** makes offsetting carbon emissions simple and within the control of the customer. We offset the carbon emissions across the average lifecycle associated with each of our devices by providing the option at point of purchase. These offsets help support climate action projects verified by United Nations, Gold Standard<sup>®</sup>, and Climate Action Reserve.

1 Available as preload with select OS versions

2 Certified with select OS versions

3 Optional

4 SSD, fingerprint reader module, motherboard and FHD+

5 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

6 Standard / bulk

7 EPEAT registered where applicable. EPEAT registration varies by country. See [www.epeat.net](http://www.epeat.net) for registration status by country

8 Certification available on select models

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



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