

Lenovo
ThinkPad

Lenovo ThinkPad P16v Gen 3

Affordable Power, Maximum Potential.

Lenovo



intel
vPRO

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:

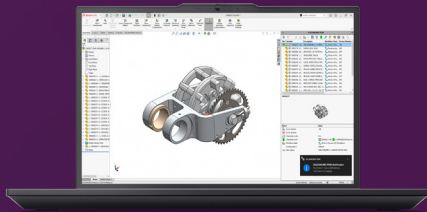
897
TOPS

CPU Package: up to 99 TOPS
GPU: up to 798 TOPS
Total: up to 897 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[^]

Performance

Processor

Intel Core Ultra Processors (Series 2)
H-Series (up to 16 cores, up to 5.4GHz)[^]

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 798 TOPS
Total: up to 897 TOPS

Total Memory¹

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[®] 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[®], X-Rite FCC,
TÜV Eyesafe[®] 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)^{*}
(2) USB-C[®] (Thunderbolt[™] 4)
(1) HDMI[®] 2.1[^]
(1) 1.0Gbps RJ-45
(1) Audio Jack
(1) SD Express 7.0 Card Reader
(1) Smart Card Reader²

Wireless Connectivity

Intel Wi-Fi[®] 7 BE201 (2x2) +
Bluetooth[®] 5.4³

Rolling Wireless RW350R-GL 5G
sub-6GHz CAT19/CAT18 with eSIM^{2,4}
Near Field Communication (NFC)²

Media Card Reader

SD Express 7.0 Card Reader

¹ Memory spec transfer rate listed; system support transfer rate may vary by configuration

² Optional

³ Bluetooth may be limited by OS

⁴ Available in select countries

[^] 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.



intel
vPRO

That's the power of Intel Inside[®]

Smarter
technology
for all

Lenovo

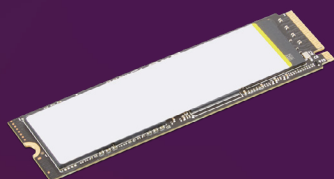
Lenovo Options & Accessories



ThinkVision P34WD-40 Display



ThinkPad Thunderbolt 4 Workstation Dock



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

For more details on ThinkStation and ThinkPad, please visit:
lenovo.com/workstations

Visit us on social media:
#lenovoworkstations



August 2025 ©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**, **ThinkStation**, and **ThinkPad** are trademarks of Lenovo.

Lenovo ThinkPad P16v Gen 3 General Specifications[^]

Software

Operating System

Windows 11 Pro

Windows 11 Home

Ubuntu[®] Linux^{®1}

Red Hat[®] Enterprise Linux^{®2}

Windows Preloads

Lenovo Commercial Vantage

Lenovo View

Lenovo AI Now

Additional Features

Ultra Performance Mode

Self Healing BIOS

ISV Certifications

Including Altair[®], ANSYS[®], AVEVA, Autodesk[®], AVID[®], Barco[®], Bentley[®], Dassault[®], Nemetschek[®], PTC[®], Siemens[®]

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

Security

Intel vPro security

ThinkShield

dTPM 2.0

Touch Fingerprint Reader

Human Presence Detection³

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 Solder⁴

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

Certifications

EPEAT^{®7,8} Gold

ENERGY STAR^{®8}

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 CO₂ 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[®], 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 for registration status by country

8 Certification available on select models

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



That's the power of Intel Inside[®]

NVIDIA[®], and NVIDIA RTX PRO are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries. Intel[®], Intel vPro[®], Core[™], Arc[™], and Thunderbolt[™] are trademarks of Intel Corporation or its subsidiaries. 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