Lenovo
ThinkPad

Lenovo ThinkPad P16v Gen 3

Affordable Power, Maximum Potential.

Lenovo

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)

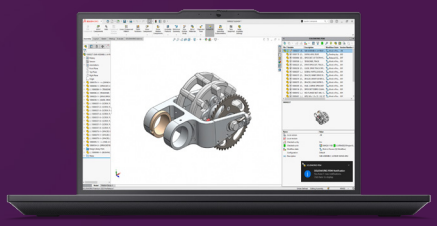
Graphics:
RTX PRO 2000 Blackwell
High-performance professional graphics and AI acceleration

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 Memory[1]
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 Reader[2]

Wireless Connectivity
Intel Wi-Fi® 7 BE201 (2x2) + Bluetooth® 5.4[3]

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

Smarter technology for all

Lenovo

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 CORE ULTRA

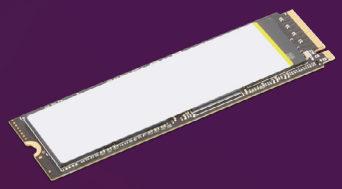
intel vPRO

That's the power of Intel Inside®

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

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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 Detection[3]

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[4]

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 CO_2 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**

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