

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
5600MHz¹

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[^]

Performance

Processor

AMD Ryzen™ PRO 7000 Series (5 PRO, 7 PRO, 9 PRO) (up to 8 cores, up to 5.2GHz)[^]

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 5600MHz¹

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)^{*},
1 Always On

(1) USB-C 4.0

(1) HDMI 2.1[^]

(1) Mic/Headphone Combo Jack

Optional Smart Card Reader

WLAN

Qualcomm NFA725A Wi-Fi 6E + Bluetooth™ 5.3^{3,4}

WWAN

Fibocom L860-GL-16 4G LTE CAT16 with eSIM²

Near Field Communication (NFC)²

Media Card Reader

SD Express 7.0 Card Reader²

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

[^] 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.

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

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

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[#lenovoworkstations](https://twitter.com/lenovoworkstations)



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Lenovo ThinkPad P16v Gen 1 AMD General Specifications[^]

Software

Operating System

Windows 11 Pro

Windows 11 Home

Windows 11 Pro (preinstalled with Windows 10 Pro Downgrade)

Ubuntu[®] Linux[®]1

Red Hat[®] Enterprise Linux[®] (certified)

Windows Preloads

Lenovo Commercial Vantage

Additional Features

Ultra Performance Mode

Self Healing BIOS

ISV Certifications

Including ArcGIS[®], AutoCAD[®], CATIA[®], Creo[®], Inventor[®], Microstation[®], NX[®], Solid Edge[®], SOLIDWORKS[®], Vectorworks[®], Petrel[®], Decision Space[®], 3dsMax[®], Maya[®]

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 Solder²

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

Certifications

EPEAT^{®4} Gold

ENERGY STAR^{®5}

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 for registration status by country

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

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