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[1]

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 5600MHz[1]

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 eSIM[2]

Near Field Communication (NFC)[2]

Media Card Reader
SD Express 7.0 Card Reader[2]

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

Visit us on social media:
#lenovoworkstations

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 Solder[2]
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.

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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**