

ThinkPad P16v Gen 1 (AMD)

This high-performance device features an AMD Ryzen PRO processor and up to 64GB DDR5 memory to cater to the needs of CAD designers, engineers, and big data analysts. With up to 2x 2TB storage, multi-monitor support, and advanced application compatibility, it's perfect for handling complex workflows and workloads. Plus, the 90Wh battery provides a longer runtime, while the Rapid Charge feature allows for quick recharging, ensuring minimal downtime for professionals on the go.



Featuring a 16.0", WQUXGA screen with an anti-glare surface, this device renders animation videos, financial charts, workflows that are perfectly scaled and detailed. Its 800nits brightness ensures optimal visibility, whereas the Low Blue Light and Eye Safe certification reduces eye strain during longer hours of work.

Trust the powerful AMD Ryzen 9 PRO processors and Windows 11 PRO OS to tackle heavy data analysis, complex spreadsheets and statistical workflows with ease.

The AMD Ryzen 9 PRO OS and AMD Radeon NVIDIA RTX 2000 graphic features help graphic designers and editors to run heavy files and software applications with ease.

Professional machines for advanced users

This 16" thin and light mobile workstation is equipped with professional graphics, powerful processors, and ultra-fast SSD storage.

Lenovo services

Lenovo delivers tailored sustainability services, devices, and infrastructure solutions from our broad portfolio, working closely with you to support your target outcomes across the IT lifecycle..



Return To Depot Repair Warranty



No-hassle repair process at a Lenovo service center
Lenovo pays for all shipping between the customer and service facility
Avoid unplanned operational expense with a simple annual fee

Accessories

Lenovo USB-C Wired In-Ear Headphones

Hear every detail with the impressive 9mm audio drivers that produce rich, natural tones.
Designed to be business-ready on any USB-C device, at any time.
Play and pause media via a single convenient button.



PN: 4XD1J77351

Lenovo Essential Wireless Keyboard & Mouse Combo

Simple design that is comfortable for all day use and tough enough to handle spills
Convenient and easy to use wireless connection
Quality typing experience with quiet key strokes and a full-size number pad



PN: 4X30M39458 - US English

ThinkPad P16v Gen 1 (AMD)

Performance

Processor

Up to AMD Ryzen PRO 7040HS Series Processors

Operating System

Windows 11 Pro
Windows 11 Home
Windows 11 Home Single Language
Windows 11 DG Windows 10 Pro 64
Ubuntu Linux LTS

Graphics

AMD Radeon 760M Graphics (integrated)
AMD Radeon 780M Graphics (integrated)
NVIDIA RTX A500 Laptop GPU
NVIDIA RTX A1000 Laptop GPU
NVIDIA RTX 2000 Ada Generation Laptop GPU

Memory

Up to 64GB DDR5-5600, 2x SO-DIMM

Storage ¹

Up to 2x 2TB M.2 2280 PCIe NVMe SSD
RAID 0/1 support

¹The storage capacity supported is based on the test results with current Lenovo storage offerings.

Audio

High Definition (HD) Audio
Stereo speakers
Dual-microphone array, far-field, Dolby Voice

Camera

FHD 1080p, with privacy shutter
5.0MP + IR hybrid, with privacy shutter and Ultrasonic Human Presence Detection

Battery ²

90Wh battery, Rapid Charge

²Battery life claims are approximate maximum. Actual result will vary depending on many factors and the maximum battery capacity will decrease with time and use.

Power Adapter

135W slim tip adapter
170W slim tip adapter

Design

Display ³

16.0" WUXGA (1920x1200) IPS Anti-glare 16:10
- 300nits, 45% NTSC
- 300nits, 45% NTSC, touch

16.0" WUXGA (1920x1200) IPS Anti-glare 16:10
- 300nits, 100% sRGB, TÜV Low Blue Light

16.0" WUXGA (3840x2400) IPS Anti-glare 16:10
- 800nits, 100% DCI-P3, TÜV Low Blue Light,
Eyesafe Certified 2.0, X-Rite Factory Color
Calibration, Dolby Vision, DisplayHDR 400

³IPS (in-plane switching) technology may refer to IPS, PLS,
ADS, AHVA, AAS.

Keyboard

6-row, spill-resistant, numeric keypad, optional
backlight

Touchpad

TrackPoint and Mylar surface touchpad
67.6 x 115 mm (2.66 x 4.53 inches)

Dimensions ⁴

365 x 262 x 24.66 mm
(14.37 x 10.31 x 0.97 inches)

⁴The system dimensions may vary depending on
configurations.

Weight ⁵

Starting at 2.2 kg (4.85 lbs)

⁵The system weight is approximate and may vary
depending on configurations

Color

Thunder black

Case material

PC-ABS (top), PC-ABS (bottom)

Connectivity

WLAN + Bluetooth ⁶ ⁷

Qualcomm NFA-725A Wi-Fi 6E, 802.11ax, Bluetooth 5.1

⁶Bluetooth 5.2 is hardware ready but may run at a lower
version due to OS limitations.

⁷Wi-Fi 6E is only enabled on Windows 11 and operates as
Wi-Fi 6 with Windows 10.

WWAN

Up to 4G LTE CAT16*

NFC

Near Field Communication*

Ports

1x HDMI
1x USB 3.2 Gen 1
1x USB 3.2 Gen 1 (one Always On)
2x USB4 40Gbps (data, PD 3.0, DP 1.4)
1x SD Express 7.0 card reader
1x Headphone / microphone combo jack (3.5mm)
1x GbE RJ-45, via USB-C to RJ-45 dongle*
1x Smart card reader*
1x Nano-SIM card slot*

Docking

Docking support via Thunderbolt or USB-C

Security & Privacy

Discrete TPM 2.0
Kensington Nano Security Slot
Smart card reader*
Touch style MOC fingerprint reader
Camera privacy shutter*
IR camera for Windows Hello*
Human Presence Detection*

Manageability

AMD Pro Manageability 2.0*

Certifications

Green Certifications ⁸ ⁹

EPEAT Gold Registered
ENERGY STAR 8.0
TCO Certified 9.0
RoHS compliant

⁸The items listed under the "Green Certifications" section
may not only refer to certification but also registration or
self-declaration.

⁹EPEAT is registered where applicable, please see
<https://www.epeat.net> for registration status by country

Other Certifications

Eyesafe Certified 2.0*
TÜV Rheinland Low Blue Light*
MIL-STD-810H