

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.



Professional machines for advanced users

Designed for business users who tackle compute-intensive workflows. With professional-grade graphics and powerful, multi-core processors, Lenovo sets the standard for mobile workstations and ensures best-in-class reliability even when you're away from the office.

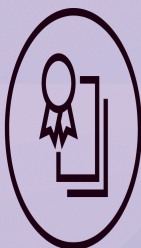
Featuring a 16.0", WQUXGA screen with an anti-glare surface, this device renders animation videos, financial charts, workflows that are perfectly scaled and detailed. Its 800nits brightness ensures optimal visibility, whereas the Low Blue Light and Eye Safe certification reduces eye strain during longer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

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



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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

Storage¹
Up to 2x 2TB M.2 2280 PCIe NVMe SSD

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 discrete, with privacy shutter and Ultrasonic Human Presence Detection

Battery²
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

Display³
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" WQUXGA (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)

Dimensions⁴
365 x 262 x 24.66 mm
(14.37 x 10.31 x 0.97 inches)

⁴The system dimensions may vary depending on configurations.

Weight⁵
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 5.3

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

⁷Bluetooth 5.3 operation requires Windows 11.

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

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

Manageability

System Management^{*}
AMD PRO Manageability 2.0*

Certifications

Green Certifications^{8 9 10}
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 registration and ENERGY STAR certification are dependent on system OS.

¹⁰EPEAT is registered where applicable, please see epeat.net for registration status by country.

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

Items with * are optional and only available on selected models. Information presented here may represent the maximum possible configurations for this product, but it does not necessarily reflect what is available in your region. Please ask your rep or check the specifications for specific Part Numbers in your region. © 2024 Lenovo. Products are available while supplies last. Lenovo is not responsible for photographic or typographic errors. Lenovo, the Lenovo logo, ThinkPad, ThinkCentre, ThinkBook, ThinkStation and ThinkVision are trademarks or registered trademarks of Lenovo. 3rd party product and service names may be trademarks of others. Depending on factors such as the processing capability of peripheral devices, file attributes, system configuration and operating environments, the actual data transfer rate of USB connectors will vary and is typically slower than published standards.