

# 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

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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

### Storage<sup>1</sup>

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

<sup>1</sup>The 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<sup>2</sup>

90Wh battery, Rapid Charge

<sup>2</sup>Battery 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<sup>3</sup>

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

<sup>3</sup>IPS (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<sup>4</sup>

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

<sup>4</sup>The system dimensions may vary depending on configurations.

### Weight<sup>5</sup>

Starting at 2.2 kg (4.85 lbs)

<sup>5</sup>The system weight is approximate and may vary depending on configurations

### Color

Thunder black

### Case material

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

## Connectivity

### WLAN + Bluetooth<sup>6 7</sup>

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

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

<sup>7</sup>Wi-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<sup>8 9</sup>

EPEAT Gold Registered  
ENERGY STAR 8.0  
TCO Certified 9.0  
RoHS compliant

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

<sup>9</sup>EPEAT 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