

# ThinkPad P16v Gen 1 (Intel)

Power through resource-heavy tasks with this ThinkPad, featuring a 13th Gen Intel Core i9 processor, designed for experts like data analysts, graphic designers, editors and merchandisers. Benefit from up to 96GB memory for seamless multi-tasking across applications, even with multi-monitor setups. Accommodate sizable data sets easily with up to 4TB storage. Experience crisp, precise visuals with WQUXGA (3840x2400) display, anti-glare surface, ideal for product managers working on media files or statistical data.



## 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.

Experience superior audio quality with High-Definition Audio chip and Dolby Premium speakers, perfect for sound engineers working on their next tracks. The Dolby Voice Dual-array, far-field microphone captures clear audio, essential for professionals attending virtual meetings, conferences or events.

Up to 14 core-Intel Core i9 processors and onboard Intel Iris Xe graphics, with discrete NVIDIA RTX GPU graphics, means it's designed to handle data-heavy and complex spreadsheets or statistical software.

Powerful NVIDIA RTX 2000 Laptop GPU graphics (discrete) in a 16" screen, plus with a strong 13th gen Intel Core i9 processor, make it ideal for graphic designing and illustration.

## 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 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 Universal USB-C Smart Dock

- Access to multiple 4K monitors, and blazing-fast data transfers with USB-C and USB-A
- Supports both Thunderbolt™ 3 and 4, USB 4™ and USB-C, and extended compatibility with a wide range of brands and Multi-OS notebooks
- 11+ expansion possibilities in a single quick-release cable for maximum efficiency



PN: 40B20135XX





# ThinkPad P16v Gen 1 (Intel)

## Performance

**Processor**  
13th Generation H series Intel Core i5 / i7 / i9 processor

**Operating System**  
Windows 11 Pro  
Windows 11 Home  
Windows 11 Home Single Language  
Windows 11 DG Windows 10 Pro 64  
Ubuntu Linux  
Red Hat Enterprise Linux (certified only)

**Graphics <sup>1</sup>**  
Intel Iris Xe Graphics eligible (integrated)  
NVIDIA RTX A500 Laptop GPU  
NVIDIA RTX A1000 Laptop GPU  
NVIDIA RTX 2000 Ada Generation Laptop GPU

<sup>1</sup>Intel Iris Xe Graphics capability requires system to be configured with dual-channel memory. On the system with single-channel memory, Intel Iris Xe Graphics will function as Intel UHD Graphics.

**Memory**  
Up to 96GB DDR5-5600, 2x SO-DIMM

**Storage <sup>2</sup>**  
Up to 2x 2TB M.2 2280 PCIe NVMe SSD  
RAID 0/1 support

<sup>2</sup>The storage capacity supported is based on the test results with current Lenovo storage offerings.

**Audio**  
High Definition (HD) Audio  
Dolby Premium 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

**Battery**  
90Wh battery, Rapid Charge

**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>**  
Intel Wi-Fi 6E AX211, 802.11ax, Bluetooth 5.3

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

<sup>7</sup>Bluetooth 5.3 operation requires Windows 11.

**WWAN\***  
Up to 4G LTE CAT16 with embedded eSIM\*

**NFC**  
Near Field Communication\*

**Ports**  
1x HDMI  
1x USB 3.2 Gen 1  
1x USB 3.2 Gen 1 (one Always On)  
2x Thunderbolt 4 / 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\* <sup>8</sup>**  
Intel vPro Enterprise\*

<sup>8</sup>Intel vPro offers a superset of DASH's defined capabilities

## Certifications

**Green Certifications <sup>9 10 11</sup>**  
EPEAT Gold Registered  
ENERGY STAR 8.0  
TCO Certified 9.0  
RoHS compliant

<sup>9</sup>The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

<sup>10</sup>EPEAT registration and ENERGY STAR certification are dependent on system OS.

<sup>11</sup>EPEAT is registered where applicable, please see [epeat.net](https://www.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.