

# ThinkPad P16v Gen 2

The all-new ThinkPad P16v Gen 2 balances extreme power, optimum portability and seamless user experience to accelerate workflows. The Intel® Core™ Ultra H Series processor marries productivity and experiential wow of AI without the worry of performance lags and battery drain. The optional NVIDIA® RTX graphics boosts your creation- from editing high-resolution videos to running complex AI simulations. An impressive 90Wh battery and Rapid Charge support elevates productivity, while the MIL-SPEC durability shields it from the everyday knocks and bumps.



## 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.

Let your imagination run wild on the stunning WUXGA IPS screen that presents clear, pixel-sharp images every time without fail. The cinema-grade 100% DCI-P3 color gamut makes your visuals appear vivid, color-corrected and more life-like. The TÜV Low Blue Light certification ensures flicker-free display and reduced eye strain during long hours at work.

With ample up to 96GB DDR5 memory, users can run heavy datasets, spreadsheets and multiple resource-intensive applications simultaneously without experiencing significant slowdowns or performance bottlenecks. Plus, the up to 4TB SSD storage offers quicker loading times for statistical software applications.

Intel® Arc Graphics and NVIDIA RTX Graphics offer substantial graphics processing power, which is crucial for tasks such as rendering 3D models, applying complex filters and effects, and handling high-resolution images. This enables Photoshop users to work with intricate designs and detailed images without experiencing lag or slowdowns.

## 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 15.6" Laptop Casual Backpack

- Extra cushioning and padding for maximum comfort
- Waterproof fabric to keep your gadgets dry and safe
- Conveniently placed compartments and pockets for easy access.



PN: GX40Q17225

### Lenovo 400 Wireless Mouse

- Ergonomic mouse designed for both right-hand and left-hand use, 2.4 GHz wireless connection
- Comes with responsive and clear tracking with 1200 DPI resolution, up to 8 million clicks for left and right buttons
- Lightweight for travel at 65g (2.29oz) with a battery that lasts up to 12 months



PN: GY50R91293



# ThinkPad P16v Gen 2

## Performance

### Processor

Intel H Series Core Ultra 7 / 9 Processor

### Operating System

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

### Graphics

Intel Arc Graphics eligible (integrated)  
 NVIDIA RTX 500 Ada Generation Laptop GPU  
 NVIDIA RTX 1000 Ada Generation Laptop GPU  
 NVIDIA RTX 2000 Ada Generation Laptop GPU  
 NVIDIA RTX 3000 Ada Generation Laptop GPU

### Memory

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

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

Up to two drives, 2x M.2 SSD  
 • M.2 2280 SSD up to 4TB, 2TB each  
 • 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  
 Dolby Premium speakers  
 Dual-microphone array, far-field, Dolby Voice\*

### Camera \*

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

### 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, TÜV Low Blue Light, Eyesafe Certified 2.0, touch

16.0" WUXGA (1920x1200) IPS Anti-glare 16:10  
 - 400nits, 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, backlight

### Touchpad

TrackPoint and Mylar surface Trackpad,  
 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 2.22 kg (4.90 lbs)

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

### Color

Black

### Case material

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

## Connectivity

### Ethernet

Gigabit onboard Ethernet

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

Intel Wi-Fi 6E AX211, 802.11ax 2x2 Wi-Fi + Bluetooth 5.3

<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\*

4G LTE CAT16 with embedded eSIM  
 5G Sub-6 GHz with embedded eSIM  
 WWAN upgradable to 4G or 5G

### NFC

Near Field Communication\*

### Ports

1x HDMI  
 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On  
 2x USB-C (Thunderbolt 4 / USB4 40Gbps), with USB PD 3.0 and DP 2.1  
 1x SD Express 7.0 card reader  
 1x Headphone / microphone combo jack (3.5mm)  
 1x GbE RJ-45  
 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)\*  
 Ultrasonic Human Presence Detection\*

## Manageability

### System Management\*

Intel vPro Enterprise\*

## Certifications

### Green Certifications <sup>8 9 10</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 registration and ENERGY STAR certification are dependent on system OS.

<sup>10</sup>EPEAT is registered where applicable, please see [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

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