

# ThinkPad P16v Gen 3 (Intel)

Experience top-tier performance with the new-gen workstation, powered by the latest Intel® H Series Core Ultra 9 Processor (Series 2) with Intel vPro® technology and an integrated NPU for superior performance and power efficiency. With discrete graphics options including the NVIDIA RTX PRO™ 500, 1000, and 2000 Blackwell Generation Laptop GPUs, creators, designers, and engineers can harness the latest neural rendering, ray tracing, and AI technology – anytime, anywhere. Supporting up to 96GB (2x 48GB DDR5 CSODIMM) memory enables seamless execution of complex workflows, including 8K video editing, large-scale 3D rendering, CAD simulations, and multi-application environments.



## Elevate Professional Endeavors with Powerhouse Workstations

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.

This workstation boasts a sleek, new chassis design with a stunning 16" WQUXGA display option. With ultra-narrow bezels and an exceptional 100,000:1 contrast ratio, it delivers both elegance and durability. For professionals requiring precise visuals, it also offers an optional 100% DCI-P3 color gamut, ensuring unmatched color accuracy and vibrancy.

With up to 96GB of memory (2x48GB DDR5 CSODIMM), users can seamlessly handle large datasets, complex spreadsheets, and multiple resource-intensive applications simultaneously, without noticeable slowdowns or performance bottlenecks. Additionally, up to 4TB SSD storage ensures faster loading times for statistical and other demanding software applications.

NVIDIA® RTX PRO 500, 1000, and 2000 discrete graphics deliver the performance creative professionals need for demanding tasks. From rendering 3D models to applying advanced filters and handling high-resolution imagery, these GPUs provide the processing power to keep workflows smooth and efficient.

## 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..



## Accessories

### ThinkPad Thunderbolt 4 Workstation Dock

- Power delivery up to 230W to support ultra-performance mode on 2021 ThinkPad mobile workstations
- 2\*DP1.4, 1\*HDMI2.1, 1\*TBT4 downstream video port, 1 x 8K@60Hz, or 4 x 4K@60Hz external displays
- 4 \* USB A Gen 2 10Gbps data, 1 always-on charging port, 1 x USB C data port, 10Gbps, 5V x 3A power for mobile charging



PN: 40B00300xx

### ThinkVision P34WD-40 Monitor

- Adaptive refresh rates for seamless visuals and efficiency
- Effortless multitasking with advanced split-screen technology
- Streamlined monitor management for IT professionals



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## Performance

### Processor

Intel H Series Core Ultra 5 / 7 / 9 Processor (Series 2)

### AI PC Category\*

AI-Ready Workstations

### Operating System\*

Windows 11 Pro  
Windows 11 Home  
Windows 11 Home Single Language  
Ubuntu Linux  
Red Hat Enterprise Linux (certified only)

### NPU\*

Integrated Intel AI Boost, up to 13 TOPS

### Graphics

NVIDIA RTX PRO 500 Blackwell Generation Laptop GPU  
NVIDIA RTX PRO 1000 Blackwell Generation Laptop GPU  
NVIDIA RTX PRO 2000 Blackwell Generation Laptop GPU

### Memory

Up to 96GB DDR5-5600, 2x CSODIMM / SODIMM slots

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

Up to two M.2 2280 Gen 5 Performance SSD; up to 4TB total, 2TB each

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

### Audio\*

High Definition (HD) Audio  
Dolby Audio speakers  
Dual-microphone array, Dolby Voice\*

### Camera\*

5.0MP + IR, with privacy shutter and optional Ultrasonic Human Presence Detection, temporal noise reduction  
5.0MP with privacy shutter, temporal noise reduction

### 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\*

140W USB-C GaN adapter, PD 3.1

## Design

### Display<sup>3</sup>

16" WUXGA (1920x1200) IPS Anti-glare,  
- 400nits, 45% NTSC, 60Hz, TÜV Low Blue Light  
16" WUXGA (1920x1200) IPS Anti-glare, 100% sRGB,  
60Hz, Low Power,  
- 500nits, Eyesafe, TÜV Low Blue Light  
16" WQXGA (3840x2400) OLED AGARAS,  
- 400nits, 100% DCI-P3, 60Hz, Dolby Vision, Eyesafe, TÜV Low Blue Light, Touch

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

### Keyboard

6-row, spill-resistant, numeric keypad, Copilot key, backlight

### Touchpad

TrackPoint and Mylar surface TrackPad  
67 x 115 mm (2.64 x 4.53 inches)

### Dimensions<sup>4</sup>

361.5 x 248.6 x 12.8 / 19.55 (front / rear), 26.3 (maximum) mm  
14.23 x 9.79 x 0.50 / 0.77 (front / rear), 1.04 (maximum) inches

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

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

Around 2.1 kg (4.6 lbs)

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

### Color

Black

### Case material

Aluminium (top), PC-ABS (bottom)

## Connectivity

### Ethernet\*

Gigabit onboard Ethernet

### WLAN + Bluetooth\*

Intel Wi-Fi 7 BE201, 802.11be, Bluetooth 5.4

### WWAN\*

5G with embedded eSIM\*

### NFC

Near Field Communication\*

### Ports

2x Thunderbolt 4 (PD 3.1)  
1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On  
1x USB-A (USB 5Gbps / USB 3.2 Gen 1)  
1x HDMI 2.1, up to 8K/60Hz  
1x Headphone / microphone combo jack (3.5mm)  
1x Ethernet (GbE RJ-45)  
1x SD Express 7.0 card reader  
1x Security keyhole  
1x Nano-SIM card slot (WWAN support models)\*  
1x Smart card reader\*

## 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\*

## Environmental

### Material

75% Recycled Aluminum A Cover  
30% PCC Plastic C Cover  
30% PCC Plastic D Cover  
90% PCC Plastic 140W AC Adapter  
Plastic free packaging with 90% recycled and/or FSC certified content (standard/bulk)

## Certifications

### Green Certifications<sup>6 7 8</sup>

ENERGY STAR 9.0  
EPEAT Gold Registered  
TCO Certified, generation 10  
RoHS compliant

<sup>6</sup>The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

<sup>7</sup>EPEAT registration and ENERGY STAR certification are optional and only available on the models with preloaded OS.

<sup>8</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