

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.

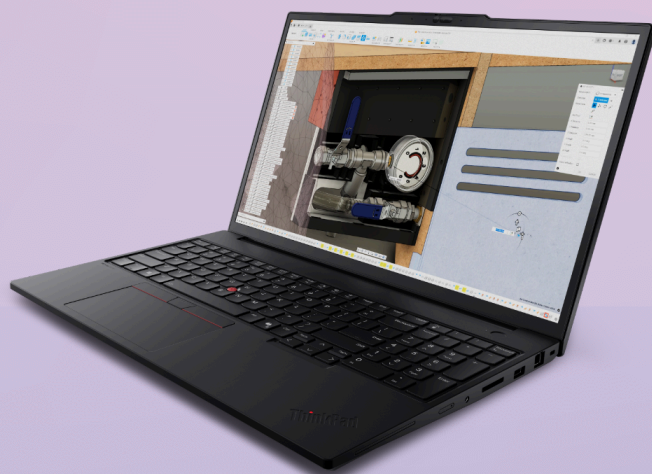
This workstation boasts a sleek, new chassis design with a stunning 16" WQUXGA display option. With ultra-narrow bezels and an exceptional 100,000:1 contrast ratio, it delivers both elegance and durability. For professionals requiring precise visuals, it also offers an optional 100% DCI-P3 color gamut, 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
Storage¹ Up to two M.2 2280 Gen 5 Performance SSD; up to 4TB total, 2TB each
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

Battery² 90Wh battery, Rapid Charge
Power Adapter* 140W USB-C GaN adapter, PD 3.1
Design
Display³ 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" WQUXGA (3840x2400) OLED AGARAS, - 400nits, 100% DCI-P3, 60Hz, Dolby Vision, Eyesafe, TÜV Low Blue Light, Touch
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)
Dimensions⁴ 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
Weight⁵ Around 2.1 kg (4.6 lbs)

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 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*
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)

Environmental

Certifications

Green Certifications^{6 7 8} ENERGY STAR 9.0 EPEAT Gold Registered TCO Certified, generation 10 RoHS compliant
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. © 2025 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.