

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.



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.

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..



Accessories

Lenovo 15.6-inch Laptop Casual Backpack B210 Grey

- 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

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Performance

Processor Intel H Series Core Ultra 7 / 9 Processor
AI PC Category* AI-Ready Workstations
Operating System* Windows 11 Pro Windows 11 Home Windows 11 Single Language Windows 11 DG Windows 10 Pro 64 Ubuntu Linux LTS
NPU* Integrated Intel AI Boost, up to 11 TOPS
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 SODIMM
Storage Up to two drives, 2x M.2 SSD · M.2 2280 SSD up to 4TB, 2TB each · RAID 0/1 support
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, temporal noise reduction FHD 1080p with privacy shutter, fixed focus, temporal noise reduction
Battery 90Wh battery, Rapid Charge
Power Adapter* 135W slim tip adapter 170W slim tip adapter

Design

Display 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
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 365 x 262 x 24.66 mm (14.37 x 10.31 x 0.97 inches)
Weight Starting at 2.22 kg (4.90 lbs)
Color Black
Case material PC-ABS (top), PC-ABS (bottom)

Connectivity

Ethernet* Gigabit onboard Ethernet
WLAN + Bluetooth* Intel Wi-Fi 6E AX211, 802.11ax 2x2 Wi-Fi + Bluetooth 5.3
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*
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Docking Docking support via Thunderbolt / USB-C

Security & Privacy

Security Discrete TPM 2.0 Kensington Nano Security Slot Smart card reader, supports ISO 7816 and EMV* Touch style MOC fingerprint reader* Camera privacy shutter* IR camera for Windows Hello (facial recognition)* Ultrasonic Human Presence Detection*
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Manageability

System Management* Intel vPro Enterprise*

Environmental

Material 85% PCC recycled plastic used in key caps 90% PCC recycled plastic used in speaker enclosure 90% PCC recycled plastic used in the battery 30% PCC recycled plastic used in SIM tray 30% PCC recycled plastic used in 135W and 170W adapters Plastic free packaging with 90% recycled and/or FSC certified content (retail / standard / bluk packaging)
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Certifications

Green Certifications EPEAT Gold Registered ENERGY STAR 9.0 TCO Certified 9.0 RoHS compliant
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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. © 2026 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.