

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-inch Laptop Casual Backpack B210 Grey



- Extra cushioning and padding for maximum comfort
- Waterproof fabric to keep your gadgets dry and safe
- Conviniently 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

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 SO-DIMM

Storage [1]
Up to two drives, 2x M.2 SSD
• M.2 2280 SSD up to 4TB, 2TB each
• RAID 0/1 support

[1]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, temporal noise reduction
FHD 1080p with privacy shutter, fixed focus, temporal noise reduction

Battery [2]
90Wh battery, Rapid Charge

[2]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 [3]
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

[3]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 [4]
365 x 262 x 24.66 mm (14.37 x 10.31 x 0.97 inches)

[4]The system dimensions may vary depending on configurations.

Weight [5]
Starting at 2.22 kg (4.90 lbs)

[5]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* [6] [7]
Intel Wi-Fi 6E AX211, 802.11ax 2x2 Wi-Fi + Bluetooth 5.3

[6]Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitations.

[7]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, supports ISO 7816 and EMV*
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 [8] [9] [10]
EPEAT Gold Registered
ENERGY STAR 8.0
TCO Certified 9.0
RoHS compliant

[8]The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

[9]EPEAT registration and ENERGY STAR certification are optional and only available on the models with preloaded OS.

[10]EPEAT is registered where applicable, please see 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.