ThinkPad P16 Gen 2

13th Gen HX Series Intel Core i9 Processors and NVIDIA RTX 5000 Laptop GPU graphics, means it is designed to handle data-heavy and complex spreadsheets or statistical software.

Up to NVIDIA RTX 5000 Laptop GPU graphics in a 16" screen, plus a strong 13th Gen HX Series Intel Core i9 Processor, make it ideal for graphic designing and illustration.

Up to 13th Gen HX Series Intel Core i9 Processor, powerful graphics that include up to NVIDIA RTX 5000 Laptop GPU graphics, and memory up to 192GB DDR5 make it an excellent work device for video or animation work.

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.

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 Portable Aluminum Laptop Stand

- The foldable frame easily fits into a backpack of any size.
- 18° tilt offers a comfortable viewing position for pain-free productivity.
- Silicone footing protects your device from accidental slips and slides.

PN: 4XF1B03657

ThinkPad Essential Wireless Mouse

- Full-size wireless mouse suitable for both left-handed and right-handed users
- Plug-and-forget 2.4 GHz wireless USB connection
- Optical sensor and 12000 DPI resolution for smooth tracking experience

PN: 4X30M56887

ThinkPad P16 Gen 2

Performance

Processor
Intel HX series Core i5 / i7 / i9 (13th Gen) or Core i7 (14th Gen) processor

Operating System
Windows 11 Pro
Windows 11 Home
Windows 11 Home Single Language
Windows 11 DG Windows 10 Pro 64
Fedora Linux
Ubuntu Linux
Red Hat Enterprise Linux (certified only)

Graphics
Intel UHD graphics (integrated)
Intel Arc Pro A30M Graphics
NVIDIA RTX A1000 Laptop GPU
NVIDIA RTX 2000 Ada Generation Laptop GPU
NVIDIA RTX 3500 Ada Generation Laptop GPU
NVIDIA RTX 4000 Ada Generation Laptop GPU
NVIDIA RTX 5000 Ada Generation Laptop GPU

Chipset
Intel WM790 chipset

Memory
Up to 192GB DDR5 Non-ECC or 128GB DDR5 ECC, 4x SO-DIMM

Storage [1]
Up to two drives, 2x M.2 SSD
• M.2 2280 SSD up to 8TB, 4TB 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
Stereo speakers, 2W x2, Dolby Atmos
Dual-microphone array, far-field, Dolby Voice

Camera*
FHD 1080p + IR hybrid, with privacy shutter and Ultrasonic Human Presence Detection
FHD 1080p, with privacy shutter, fixed focus

Battery
94Wh battery, Rapid Charge

Power Adapter*
170W slim tip adapter
230W slim tip adapter

Design

Display [2]
16.0" WUXGA (1920x1200) IPS Anti-glare 16:10
- 300nits, 100% sRGB, TÜV Low Blue Light, Eyesafe Certified 2.0, X-Rite Factory Color Calibration

16.0" WQXGA (2560x1600) IPS Anti-glare 16:10
- 500nits, 100% sRGB, 165Hz, TÜV Low Blue Light, Eyesafe Certified 2.0, X-Rite Factory Color Calibration

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

16.0" WQUXGA (3840x2400) OLED ARAS 16:10
- 400nits, 100% DCI-P3, X-Rite Factory Color Calibration, TÜV Low Blue Light, Eyesafe Certified 2.0, Dolby Vision, HDR 500 True Black, OGM multi-touch

[2]IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

Keyboard
6-row, spill-resistant, numeric keypad, backlight

Touchpad
TrackPoint and glass-like Mylar surface touchpad
67.6 x 115 mm (2.66 x 4.53 inches)

Dimensions [3]
364 x 266 x 30.23 mm (14.3 x 10.5 x 1.2 inches)

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

Weight [4]
Starting at 2.95 kg (6.5 lbs)

[4]The system weight is approximate and may vary depending on configurations

Color
Storm grey (top), villi black (bottom)

Case material
AL5052 (top), PPS + 50% GF (bottom)

Connectivity

Ethernet
Ethernet support via optional Lenovo USB-C to Ethernet Adapter
USB-C to GbE RJ-45 Dongle*
USB-C to 2.5GbE RJ-45 Dongle*

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

[5]Wi-Fi 6E is only enabled on Windows 11 and operates as Wi-Fi 6 with Windows 10.

[6]Bluetooth 5.3 operation requires Windows 11.

WWAN*
Up to 4G LTE CAT16 with embedded eSIM*

NFC
Near Field Communication*

Ports
1x HDMI
1x USB 3.2 Gen 1
1x USB 3.2 Gen 1 (one Always On)
1x USB-C 3.2 Gen 2 (data, PD 3.0, DP 1.4)
2x Thunderbolt 4 / USB4 40Gbps (data, PD 3.0, DP 1.4)
1x SD Express 7.0 card reader
1x Headphone / microphone combo jack (3.5mm)
1x GbE RJ-45, via USB-C to RJ-45 dongle*
1x 2.5GbE RJ-45, via USB-C to RJ-45 dongle*
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)*
Human Presence Detection*

Manageability

System Management* [7]
Intel vPro Enterprise*

[7]Intel vPro offers a superset of DASH's defined capabilitie

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 self-declaration.

[9]EPEAT registration and ENERGY STAR certification are dependent on system 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.