

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

The ThinkPad P1 Series is an ultraportable workstation; thin and light, yet packed with professional graphics, processing and storage technologies.

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

13th Generation HX series Intel Core i5 / i7 / i9

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

Storage¹

Up to two drives, 2x M.2 SSD
• M.2 2280 SSD up to 8TB, 4TB each
• RAID 0/1 support

¹The 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

Display²

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

²IPS (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)

Dimensions³

364 x 266 x 30.23 mm (14.3 x 10.5 x 1.2 inches)

³The system dimensions may vary depending on configurations.

Weight⁴

Starting at 2.95 kg (6.5 lbs)

⁴The 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

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

⁶Bluetooth 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*
Human Presence Detection*

Manageability

System Management^{* 7}

Intel vPro Enterprise*

⁷Intel vPro offers a superset of DASH's defined capabilities

Certifications

Green Certifications^{8 9}

EPEAT Gold Registered
ENERGY STAR 8.0
TCO Certified 9.0
RoHS compliant

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

⁹EPEAT is registered where applicable, please see <https://www.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. © 2023 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.