

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

This 16" thin and light mobile workstation is equipped with professional graphics, powerful processors, and ultra-fast SSD storage.

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

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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 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

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

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

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)

Dimensions ³

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

³The system dimensions may vary depending on configurations.

Weight ⁴

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 5.1 (Bluetooth 5.3 hardware ready)

⁵Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitations.

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

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

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

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