

ThinkPad P1 Gen 5

Combining performance with portability, this 16" device is preferred by advanced users looking for more from their devices. Featuring the latest 12th Gen Intel core i9 H-Series processors with 14 core and up to NVIDIA RTX A5500 GPU graphics, it can take on compute-intensive tasks like data analysis or production editing easily. 2XThunderbolt 4 and USB 3.2 ports enable uninterrupted data transfers, and provide easy connection to monitors and peripherals. Choose the 16:10 IPS display with Dolby Vision HDR for lifelike colour and clarity.



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.

Working remotely or from home has never been easier thanks to the device's Wi-Fi 6E support. The optimized IR 1080p camera, far-field microphone, and 2 built-in Dolby Atmos stereo speakers amplify audio and visual clarity during meetings and calls.

Certified or recommended for use with: Adobe Premiere Pro, Adobe Photoshop, Adobe After Effects

Comes with up to 14-core Intel Core i9 processor and onboard Intel Iris® Xe Graphics as well as discrete NVIDIA® RTX graphics, which means it can handle large complex spreadsheets and statistical software and data with ease.

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..



Premier Support

- Talk directly with advanced technical support agents
- Support for software & hardware
- Next business day onsite repairs

Accessories

Lenovo Go USB-C Wireless Mouse

- Ergonomically designed ambidextrous mouse with Villi painted grip and wireless connection via USB-C dongle
- Silent buttons with 2-way scroll wheel (up/down), programmable Utility Button on the side
- Default functions optimized for Teams calls, can be configured through Lenovo Go Central Software



PN: 4Y51C21216

ThinkPad Thunderbolt 4 Workstation Dock

- Power delivery up to 230W to support ultra-performance mode on 2021 ThinkPad mobile workstations
- 2*DP1.4, 1*HDMI2.1, 1*TBT4 downstream video port, 1 x 8K@60Hz, or 4 x 4K@60Hz external displays
- 4 * USB A Gen 2 10Gbps data, 1 always-on charging port, 1 x USB C data port, 10Gbps, 5V x 3A power for mobile charging



PN: 40B00300xx

ThinkPad P1 Gen 5



Performance

Processor

12th Gen Intel H Series Core 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 ¹

Intel Iris Xe Graphics eligible (integrated)
NVIDIA RTX A1000 / A2000 / A3000 / A4500 / A5500
NVIDIA GeForce RTX 3070 Ti / 3080 Ti

¹Intel Iris Xe Graphics capability requires system to be configured with dual-channel memory. On the system with single-channel memory, Intel Iris Xe Graphics will function as Intel UHD graphics.

Chipset

Intel WM690 chipset

Memory

Up to 64GB DDR5-4800, 2x SO-DIMM

Storage ²

Up to 2x 4TB M.2 2280 PCIe NVMe SSD
RAID 0/1 support*

²The storage capacity supported is based on the test results with current Lenovo storage offerings.

Audio

High Definition (HD) Audio
Stereo speakers, 2W x2, optimized with Dolby Atmos
Dual-microphone array, far-field, Dolby Voice

Camera ^{*}

FHD 1080p, with privacy shutter
FHD 1080p + IR hybrid, with privacy shutter

Battery

90Wh battery, Rapid Charge

Power Adapter ^{*}

135W / 170W / 230W USB-C adapter, PD3.0

Design

Display ³

16.0" WUXGA (1920x1200) IPS Anti-glare 16:10
- 300nits, 100% sRGB, X-Rite Factory Color Calibration

16.0" WQXGA (2560x1600) IPS Anti-glare 16:10
- 500nits, 100% sRGB, X-Rite Factory Color Calibration, 165Hz

16.0" WQUXGA (3840x2400) IPS Anti-glare 16:10
- 600nits, 100% Adobe RGB, X-Rite Factory Color Calibration, Dolby Vision, DisplayHDR 400

16.0" WQUXGA (3840x2400) IPS ARAS 16:10
- 600nits, 100% Adobe RGB, X-Rite Factory Color Calibration, Dolby Vision, DisplayHDR 400, OGM touch

³IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

Keyboard

6-row, spill-resistant, backlight

Touchpad

TrackPoint and glass surface touchpad
67.6 x 115 mm (2.66 x 4.53 inches)

Dimensions ^{4 5}

Starting at 359.5 x 253.8 x 17.7 mm
(14.15 x 9.99 x 0.7 inches)

⁴The system dimensions may vary depending on configurations.

⁵The system dimensions may vary depending on configurations.

Weight ⁶

Starting at 1.81 kg (3.99 lbs)

⁶The system weight is approximate and may vary depending on configurations

Color

Black, paint
Black, weave

Case material

CFRP + GFRP (top), aluminium (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 ^{*} 7 8

Intel Wi-Fi 6E AX211, 802.11ax, Bluetooth 5.1

⁷Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitations.

⁸Wi-Fi 6E is only enabled on Windows 11 and operates as Wi-Fi 6 with Windows 10.

WWAN ^{*}

5G Sub-6 GHz with embedded eSIM*

NFC

Near Field Communication*

Ports

2x Thunderbolt 4 / USB4 40Gbps (data, PD 3.0, DP 1.4)
1x USB 3.2 Gen 1
1x USB 3.2 Gen 1 (one Always On)
1x Headphone / microphone combo jack (3.5mm)
1x Power connector
1x SD Express 7.0 card reader
1x HDMI
1x GbE RJ-45*
1x 2.5GbE RJ-45*
1x Nano-SIM card slot*

Docking

Docking support via Thunderbolt or USB-C

Security & Privacy

Security

Discrete TPM 2.0
Kensington Nano Security Slot
Touch style MOC fingerprint reader
Camera privacy shutter*
IR camera for Windows Hello (facial recognition)*

Manageability

System Management ^{*} 9

Intel vPro Enterprise*

⁹Intel vPro offers a superset of DASH's defined capabilities

Certifications

Green Certifications ^{10 11 12}

ENERGY STAR 8.0
EPEAT Gold Registered
RoHS compliant

¹⁰The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

¹¹EPEAT registration and ENERGY STAR certification are dependent on system OS.

¹²EPEAT is registered where applicable, please see epeat.net for registration status by country.

Other Certifications

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.