ThinkPad P16v Gen 1 (Intel)

Power through resource-heavy tasks with this ThinkPad, featuring a 13th Gen Intel Core i9 processor, designed for experts like data analysts, graphic designers, editors and merchandisers. Benefit from up to 96GB memory for seamless multi-tasking across applications, even with multi-monitor setups. Accommodate sizable data sets easily with up to 4TB storage. Experience crisp, precise visuals with WQUXGA (3840x2400) display, anti-glare surface, ideal for product managers working on media files or statistical data.

Experience superior audio quality with High-Definition Audio chip and Dolby Premium speakers, perfect for sound engineers working on their next tracks. The Dolby Voice Dual-array, far-field microphone captures clear audio, essential for professionals attending virtual meetings, conferences or events.

Up to 14 core-Intel Core i9 processors and onboard Intel Iris Xe graphics, with discrete NVIDIA RTX GPU graphics, means it's designed to handle data-heavy and complex spreadsheets or statistical software.

Powerful NVIDIA RTX 2000 Laptop GPU graphics (discrete) in a 16" screen, plus with a strong 13th gen Intel Core i9 processor, make it ideal for graphic designing and illustration.

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 Essential Wireless Keyboard & Mouse Combo

Simple design that is comfortable for all day use and tough enough to handle spills
Convenient and easy to use wireless connection
Quality typing experience with quiet key strokes and a full-size number pad

PN: 4X30M39458 - US English

Thinkpad Universal USB-C Smart Dock

Access to multiple 4K monitors, and blazing-fast data transfers with USB-C and USB-A
Supports both Thunderbolt™ 3 and 4, USB 4™ and USB-C, and extended compatibility with a wide range of brands and Multi-OS notebooks
11+ expansion possibilities in a single quick-release cable for maximum efficiency

PN: 40B20135XX

ThinkPad P16v Gen 1 (Intel)

Performance

Processor
13th Generation H series Intel Core i5 / i7 / i9 processor

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

Graphics [1]
Intel Iris Xe Graphics eligible (integrated)
NVIDIA RTX A500 Laptop GPU
NVIDIA RTX A1000 Laptop GPU
NVIDIA RTX 2000 Ada Generation Laptop GPU

[1]Intel 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.

Memory
Up to 96GB DDR5-5600, 2x SO-DIMM

Storage [2]
Up to 2x 2TB M.2 2280 PCIe NVMe SSD
RAID 0/1 support

[2]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
FHD 1080p, with privacy shutter
5.0MP + IR hybrid, with privacy shutter and Ultrasonic Human
Presence Detection

Battery
90Wh battery, Rapid Charge

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, touch

16.0" WUXGA (1920x1200) IPS Anti-glare 16:10
- 300nits, 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, optional backlight

Touchpad
TrackPoint and Mylar surface touchpad
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 2.2 kg (4.85 lbs)

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

Color
Thunder black

Case material
PC-ABS (top), PC-ABS (bottom)

Connectivity

WLAN + Bluetooth [6] [7]
Intel Wi-Fi 6E AX211, 802.11ax, Bluetooth 5.1

[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
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)
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 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*

[8]Intel vPro offers a superset of DASH's defined capabilities.

Certifications

Green Certifications [9] [10]
EPEAT Gold Registered
ENERGY STAR 8.0
TCO Certified 9.0
RoHS compliant

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

[10]EPEAT 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.