

ThinkPad P16v Gen 1 (Intel)



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.

Up to 13th generation Intel Core i9 processor, powerful graphics that include up to NVIDIA RTX 2000 Ada Generation Laptop GPU graphics and memory up to 96GB 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 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

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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

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.

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

²The storage capacity supported is based on the test results with current Lenovo storage offerings. The system may support larger storage as the technology develops.

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

³IPS (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)

⁴The system dimensions may vary depending on configurations.

Weight ⁵
Starting at 2.2 kg (4.85 lbs)

⁵The 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

⁶Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitations.

⁷Wi-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*

⁸Intel 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

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

¹⁰EPEAT 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

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