

# ThinkPad P16v Gen 1 (Intel)

## PERFORMANCE

|                                      |                                                                                                                 |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Processor</b>                     | Intel® Core™ i7-13800H, 14C (6P + 8E) / 20T, P-core 2.5 / 5.2GHz, E-core 1.8 / 4.0GHz 24MB                      |
| <b>Graphics</b>                      | NVIDIA® RTX A500 4GB GDDR6                                                                                      |
| <b>Chipset</b>                       | Intel® SoC Platform                                                                                             |
| <b>Memory<sup>[1]</sup></b>          | 2x 16GB SO-DIMM DDR5-5600 Non-ECC                                                                               |
| <b>Memory Slots</b>                  | Two DDR5 SO-DIMM slots, dual-channel capable                                                                    |
| <b>Max Memory</b>                    | Up to 64GB (2x 32GB DDR5 SO-DIMM)                                                                               |
| <b>Storage</b>                       | 1TB SSD M.2 2280 PCIe® 4.0x4 Performance NVMe® Opal 2.0                                                         |
| <b>Storage Support<sup>[2]</sup></b> | Up to two drives, 2x M.2 SSD <ul style="list-style-type: none"><li>• M.2 2280 SSD up to 4TB, 2TB each</li></ul> |
| <b>Storage Slot</b>                  | Two M.2 2280 PCIe® 4.0 x4 slots                                                                                 |
| <b>RAID Preset</b>                   | None                                                                                                            |
| <b>Card Reader</b>                   | SD 7.0 Card Reader                                                                                              |
| <b>Audio Chip</b>                    | High Definition (HD) Audio, Realtek® ALC3287 codec                                                              |
| <b>Speakers</b>                      | Stereo speakers, 2W x2, Dolby Audio™ Premium                                                                    |
| <b>Camera</b>                        | 5.0MP + IR with Privacy Shutter and Human Presence Detection                                                    |
| <b>Microphone</b>                    | 2x, Array                                                                                                       |
| <b>Battery</b>                       | 90Wh                                                                                                            |
| <b>Power Adapter</b>                 | 170W Slim Tip (3-pin)                                                                                           |

## DESIGN

|                              |                                                        |
|------------------------------|--------------------------------------------------------|
| <b>Display<sup>[3]</sup></b> | 16" WUXGA (1920x1200) IPS 300nits Anti-glare, 45% NTSC |
| <b>Touchscreen</b>           | None                                                   |
| <b>Color Calibration</b>     | None                                                   |
| <b>Keyboard</b>              | Backlit, English                                       |

|                                         |                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Case Color</b>                       | Thunder Black                                                                                                                                                                                                                                                                                                                                                     |
| <b>Case Material</b>                    | PC-ABS (Top), PC-ABS (Bottom)                                                                                                                                                                                                                                                                                                                                     |
| <b>Pen</b>                              | Pen Not Supported                                                                                                                                                                                                                                                                                                                                                 |
| <b>Dimensions (WxDxH)<sup>[4]</sup></b> | 365 x 262 x 24.66 mm (14.37 x 10.32 x 0.97 inches)                                                                                                                                                                                                                                                                                                                |
| <b>Weight<sup>[5]</sup></b>             | Starting at 2.2 kg (4.85 lbs)                                                                                                                                                                                                                                                                                                                                     |
| <b>SOFTWARE</b>                         |                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Operating System<sup>[6]</sup></b>   | Windows® 11 Pro, English                                                                                                                                                                                                                                                                                                                                          |
| <b>Bundled Software</b>                 | Intel® Connectivity Performance Suite                                                                                                                                                                                                                                                                                                                             |
| <b>CONNECTIVITY</b>                     |                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Ethernet<sup>[7]</sup></b>           | No Onboard Ethernet                                                                                                                                                                                                                                                                                                                                               |
| <b>WLAN + Bluetooth<sup>[8]</sup></b>   | Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 + BT5.3                                                                                                                                                                                                                                                                                                                      |
| <b>WWAN</b>                             | Non-WWAN                                                                                                                                                                                                                                                                                                                                                          |
| <b>SIM Card</b>                         | None                                                                                                                                                                                                                                                                                                                                                              |
| <b>NFC</b>                              | None                                                                                                                                                                                                                                                                                                                                                              |
| <b>Standard Ports<sup>[9]</sup></b>     | <ul style="list-style-type: none"><li>• 2x USB 3.2 Gen 1 (one Always On)</li><li>• 2x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)</li><li>• 1x HDMI® 2.1, up to 8K/60Hz</li><li>• 1x Headphone / microphone combo jack (3.5mm)</li><li>• 1x SD Express 7.0 card reader</li><li>• 1x Security keyhole</li></ul> |
| <b>Optional Ports (configured)</b>      | None                                                                                                                                                                                                                                                                                                                                                              |
| <b>Docking</b>                          | Various docking solutions supported via Thunderbolt™ or USB-C®.<br>For more compatible docking solutions, please visit , <a href="#">Docking for ThinkPad® P16v Gen 1 (Intel®)</a>                                                                                                                                                                                |

## SECURITY & PRIVACY

Smart Card Reader

None

Security Chip

Discrete TPM 2.0 Enabled

Fingerprint Reader

Touch Style, Match-on-Chip, Integrated in Power Button

Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

Other Security

- Bottom cover tamper detection
- Camera privacy shutter (camera models)
- Ultrasonic Human Presence Detection for IR camera
- IR camera for Windows® Hello (facial recognition)

MANAGEABILITY

System Management<sup>[10]</sup>

Intel® vPro® Enterprise

SERVICE

Base Warranty

3-year, Courier or Carry-in

Included Upgrade

3Y Sealed Battery Add On, 3Y Premier Support Upgrade from 3Y Courier/Carry-in

ACCESSORIES

Bundled Accessories<sup>[11]</sup>

None

CERTIFICATIONS

Green Certifications

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered
- RoHS compliant
- TCO Certified 9.0

Mil-Spec Test

MIL-STD-810H military test passed

ISV Certifications

Please visit [ISV certifications for Lenovo® Workstations](#)

MODEL

|                 |                |                |              |
|-----------------|----------------|----------------|--------------|
| TopSeller       | : Yes          | Announce Date  | : 2023-07-11 |
| EAN / UPC / JAN | : 197532094161 | End of Support | : 2030-01-06 |

Note:

[1] System comes with DDR5-5600 memory and will run at 5200.....

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## Accidental Damage Protection - Protection of your PC from the unexpected.

Experience shows that a significant portion of devices may be damaged (and not covered under warranty) in the first three years. Lenovo's Accidental Damage Protection service covers accidents beyond the system warranty such as drops, spills, bumps and even electrical surges. Make sure your new device has maximum protection, avoid unplanned costs and get peace of mind.

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## Warranty Extensions & Upgrades - Service and protection that's right for your circumstances.

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- Technician Installed Customer
- Replaceable Unit Service
- International Warranty Upgrade

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## Recommended Accessories

### ThinkPad Universal USB-C Dock

THE SMARTER WAY TO WORK Introducing the ThinkPad Universal USB-C Dock. This advanced, universally compatible one-cable docking solution lets you work smarter, not harder. It comes with a vast array of ports, next-gen ...

### ThinkPad Hybrid USB-C with USB-A Dock (American Standard Plug Type B)

- The ThinkPad Hybrid USB-C with USB-A dock is a productivity solution for any USB-C or USB-A laptop, including non-Lenovo laptops from Dell, HP, and Apple, providing power, display, and port expansion in any m...

For a full list of accessories and services, please visit:  
<https://smartfind.Lenovo.com>

**PSREF**  
Product Specifications  
Reference