# ThinkPad P16v Gen 3 (Intel) 21RS001BMB

PSREF
Product Specifications Reference

## PERFORMANCE

**Processor**
Intel® Core™ Ultra 9 285H, 16C (6P + 8E + 2LPE) / 16T, Max Turbo up to 5.4GHz, 24MB

**AI PC Category**
AI-Ready Workstations

**NPU**
Integrated Intel® AI Boost, up to 13 TOPS

**Graphics**
NVIDIA® RTX PRO 2000 Blackwell Generation 8GB GDDR7 Laptop GPU

**Chipset**
Intel® SoC Platform

**Memory**
2x 32GB SODIMM DDR5-5600 Non-ECC

**Memory Slots**
Two DDR5 SODIMM / CSODIMM slots, dual-channel capable

**Max Memory**
Up to 96GB (2x 48GB DDR5 CSODIMM)

**Storage**
1TB SSD M.2 2280 PCIe® 5.0x4 Performance NVMe® Opal 2.0

**Storage Slot**
Two M.2 2280 PCIe® 4.0 x4 slots

**Max Storage Support**[1]
Up to two M.2 2280 Gen 5 Performance SSD; up to 4TB total, 2TB each

**Card Reader**
SD Express 7.0 Card Reader

**Audio Chip**
High Definition (HD) Audio, Realtek® ALC3287 codec

**Speakers**
Stereo speakers, 2W x2, Dolby Audio™

**Microphone**
2x, Array

**Camera**
5.0MP + IR with Privacy Shutter and Human Presence Detection

**Battery**
90Wh

**Power Adapter**
140W USB-C® GaN (3-pin)

## DESIGN

**Display**
16" WUXGA (1920x1200) IPS 500nits Anti-glare, 100% sRGB, 60Hz, Low Power, Eyesafe®, TÜV Low Blue Light

**Screen-to-Body Ratio**
87.7%

**Color Calibration**
AICCP Color Calibration

**Pen**
Pen Not Supported

**Keyboard**
Backlit, Belgian

**Dimensions (WxDxH)**[2]
361.5 x 248.6 x 12.8 / 19.55 (front / rear), 26.3 (maximum) mm
14.23 x 9.79 x 0.50 / 0.77 (front / rear), 1.04 (maximum) inches

**Weight**[3]
Around 2.1 kg (4.6 lbs)

**Case Color**
Black

**Case Material**
Aluminium (Top), PC-ABS (Bottom)

## SOFTWARE

**Operating System**
Windows® 11 Pro, WE (EN/FR/DE/NL/IT)

**Bundled Software**
Intel® Connectivity Performance Suite + Lenovo® AI Now

## CONNECTIVITY

**WLAN + Bluetooth®**
Intel® Wi-Fi® 7 BE201, 802.11be 2x2 + BT5.4, vPro®

**WWAN**
Non-WWAN

**Ethernet**
100/1000M (RJ-45), vPro®

**Standard Ports**
- 1x USB-A (USB 10Gbps / USB 3.2 Gen 2), Always On
- 1x USB-A (USB 10Gbps / USB 3.2 Gen 2)
- 2x Thunderbolt™ 4, with USB PD 3.1, 140W input / 15W output
- 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (GbE RJ-45)
- 1x SD Express 7.0 card reader
- 1x Security keyhole

**Docking**
Various docking solutions supported via Thunderbolt™ or USB-C®.
For more compatible docking solutions, please visit Docking for ThinkPad® P16v Gen 3 (Intel®)

## SECURITY & PRIVACY

**Security Chip**
Discrete TPM 2.0 Enabled

**Physical Locks**
Kensington® Nano Security Slot™, 2.5 x 6 mm

**Fingerprint Reader**
Touch Style, Match-on-Chip, Integrated in Power Button

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

## MANAGEABILITY

**System Management**
Intel® vPro® Enterprise

## SERVICE

**Base Warranty**
3-year, Courier or Carry-in with 1-year Battery

**Included Upgrade**
1Y Premier Support from 3Y Depot Windchill bundles (CPN), CO2 Offset 0.5 ton (2nd Generation Carbon Offset Projects)

## CERTIFICATIONS

**ISV Certifications**
Please visit ISV certifications for Lenovo® Workstations

**Green Certifications**
- ENERGY STAR® 9.0
- EPEAT™ Gold Registered
- RoHS compliant
- TCO Certified, generation 10

**Mil-Spec Test**
MIL-STD-810H military test passed

**Other Certifications**
- Eyesafe® Certified 2.0
- TÜV Rheinland® Low Blue Light

## MODEL

| | | | |
|---|---|---|---|
| **TopSeller** | : Yes | **Announce Date** | : 2025-08-26 |
| **EAN / UPC / JAN** | : 0199271930946 | **End of Support** | : 2032-03-28 |

Note:
[1] The storage capacity supported is based on the test results with current Lenovo storage offerings.
[2] The system dimensions may vary depending on configurations.
[3] The system weight is approximate and based on results in.....

· Lenovo reserves the right to change specifications without notice.

To see more note information, please access the web page.

## Premier Support - **A direct 24x7x365 line to our most elite technicians.**

- Advanced technical support, 24x7x365, in more than 100 markets
- Technical Account Managers for proactive relationship and escalation management
- Comprehensive hardware & OEM software support
- Priority on service delivery and repair parts
- Single point of contact for simplified end-to-end case management
- Lenovo Service Connect Portal for customized reporting and product support

## 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.

## Base Warranty - **Included with the systems you purchase, default 1- or 3-year coverage window.**

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

- Pick Up & Return Courier
- Onsite Support
- Technician Installed Customer
- Replaceable Unit Service
- International Warranty Upgrade

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## Recommended Accessories



### ThinkPad Universal USB-C Dock

40AY0090US

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)

40AF0135US

- 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...

Please click here to view the full list of accessories.

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