

ThinkPad P16v Gen 3 (Intel) 21RS001QUS

PERFORMANCE

- Processor
Intel® Core™ Ultra 7 255H, 16C (6P + 8E + 2LPE) / 16T, Max Turbo up to 5.1GHz, 24MB
- AI PC Category
AI-Ready Workstations
- NPU
Integrated Intel® AI Boost, up to 13 TOPS
- Graphics
NVIDIA® RTX PRO 500 Blackwell Generation 6GB GDDR7 Laptop GPU
- Chipset
Intel® SoC Platform
- Memory
2x 16GB 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 400nits Anti-glare, 45% NTSC, 60Hz, TÜV Low Blue Light
- Screen-to-Body Ratio
87.7%

- Color Calibration
AICC Color Calibration
- Pen
Pen Not Supported
- Keyboard
Backlit, English
- 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, English (US) / English (UK)
- Bundled Software
Lenovo® AI Now
- CONNECTIVITY
- WLAN + Bluetooth®
Intel® Wi-Fi® 7 BE201, 802.11be 2x2 + BT5.4
- WWAN
Non-WWAN
- Ethernet
100/1000M (RJ-45)
- NFC
NFC
- Standard Ports
 - 2x Thunderbolt™ 4, with USB PD 3.1, 140W input / 15W output
 - 1x USB-A (USB 10Gbps / USB 3.2 Gen 2), Always On
 - 1x USB-A (USB 10Gbps / USB 3.2 Gen 2)
 - 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
- 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
Non-vPro®
- SERVICE
- Base Warranty
1-year, Courier or Carry-in
- Included Upgrade
1Y Premier Support Upgrade from 1Y Courier/Carry-in

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
TÜV Rheinland® Low Blue Light

MODEL

- TopSeller : Yes
- Announce Date : 2025-08-26
- EAN / UPC / JAN : 199272158301
- End of Support : 2032-03-28



Product image is a sample, it may not match the real color of this model

· Lenovo reserves the right to change specifications without notice.
· California Electronic Waste Recycling Fee In California, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product. For more information, go to:

<https://www.calrecycle.ca.gov/Electronics/Consumer>

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

Lenovo may not offer the products, services or features discussed in this document in all regions. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area. Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. Lenovo provides this publication "as is" without warranty of any kind, either express or implied, including the implied warranties of merchantability or fitness for a particular purpose.

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.

Lenovo

PSREF
Product Specifications
Reference