# ThinkPad P16v Gen 2 (Intel) 21KX001MPB

PSREF
Product Specifications Reference

## PERFORMANCE

**Processor**
Intel® Core™ Ultra 7 165H, 16C (6P + 8E + 2LPE) / 22T, Max Turbo up to 5.0GHz, 24MB

**AI PC Category**
AI-Ready Workstations

**NPU**
Integrated Intel® AI Boost, up to 11 TOPS

**Graphics**
NVIDIA® RTX 2000 Ada Generation 8GB GDDR6

**Chipset**
Intel® SoC Platform

**Memory**
2x 16GB SO-DIMM DDR5-5600 Non-ECC

**Memory Slots**
Two DDR5 SO-DIMM slots, dual-channel capable

**Max Memory**
Up to 96GB (2x 48GB DDR5 SO-DIMM)

**Storage**
1TB SSD M.2 2280 PCIe® 4.0x4 Performance NVMe® Opal 2.0

**Storage Support**[1]
Up to two drives, 2x M.2 SSD
• M.2 2280 SSD up to 4TB, 2TB each

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

**Card Reader**
SD Express 7.0 Card Reader

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

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

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

**Microphone**
2x, Array

**Battery**
Integrated 90Wh

**Power Adapter**
170W Slim Tip (3-pin)

## DESIGN

**Display**
16" WUXGA (1920x1200) IPS 400nits Anti-glare, 100% sRGB, TÜV Low Blue Light

**Keyboard**
Backlit, English (EU)

**Case Color**
Black

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

**Pen**
Pen Not Supported

**Dimensions (WxDxH)**[2]
365 x 262 x 24.66 mm (14.37 x 10.32 x 0.97 inches)

**Weight**[3]
Starting at 2.22 kg (4.90 lbs)

## SOFTWARE

**Operating System**
Windows® 11 Pro, Polish / English

**Bundled Software**
Intel® Connectivity Performance Suite

## CONNECTIVITY

**Ethernet**
100/1000M (RJ-45)

**WLAN + Bluetooth®**[4]
Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 + BT5.3

**WWAN**
Non-WWAN

**Standard Ports**
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 2x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1
- 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (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 2

## SECURITY & PRIVACY

**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**
- Camera privacy shutter (camera models)
- IR camera for Windows® Hello (facial recognition)
- Ultrasonic Human Presence Detection for IR camera

## MANAGEABILITY

**System Management**
Intel® vPro® Enterprise

## SERVICE

**Base Warranty**
3-year, Courier or Carry-in

**Included Upgrade**
3Y Premier Support Upgrade from 3Y Courier/Carry-In WHB(CPN), CO2 Offset 0.5 ton (2nd Generation Carbon Offset Projects)

## CERTIFICATIONS

**Green Certifications**[5]
- ENERGY STAR® 8.0
- EPEAT™ Gold Registered
- RoHS compliant
- TCO Certified 9.0

**Other Certifications**
TÜV Rheinland® Low Blue Light

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

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

## MODEL

| | | | |
|---|---|---|---|
| **TopSeller** | : Yes | **Announce Date** | : 2024-04-23 |
| **EAN / UPC / JAN** | : 0198153180585 | **End of Support** | : 2030-11-23 |



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

Note:
[1] The storage capacity supported is based on the test.....
· Lenovo reserves the right to change specifications without notice.
To see more note information, please link to

https://psref.lenovo.com/Detail/2485?M=21KX001MPB

## 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...

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

Lenovo **PSREF**
**Product Specifications Reference**