ThinkPad P16v Gen 3 (Intel) 21RS0018SP

PSREF
Product Specifications Reference

PERFORMANCE

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

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
2TB 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" WQUXGA (3840x2400) OLED 400nits Anti-glare / Anti-reflection / Anti-smudge, 100% DCI-P3, 60Hz, Dolby Vision®, Eyesafe®, TÜV Low Blue Light, Touch

Touchscreen
Add-on Film Touch, 10-point Multi-touch

Screen-to-Body Ratio
87.7%

Color Calibration
X-Rite® Factory Color Calibration

Pen
Pen Not Supported

Keyboard
Backlit, Spanish

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, Spanish / Mexican Spanish / English

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

CONNECTIVITY

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

WWAN
WWAN Upgradable to 5G

SIM Card
No physical SIM card inbox

Ethernet
100/1000M (RJ-45), vPro®

NFC
No NFC

Standard Ports
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 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 Kensington Nano Security Slot™

Optional Ports (configured)
1x Nano-SIM Card Slot

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

Smart Card Reader
No Smart Card Reader

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

ACCESSORIES

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	**EAN / UPC / JAN**	: 0199271930410
Announce Date	: 2025-08-26	**End of Support**	: 2032-03-28

- Please refer to the official Lenovo store website or contact a local Lenovo sales representative or authorized business partner for current inventory and purchase options.
- 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
- Comprehensive hardware & OEM software support
- Single point of contact for simplified end-to-end case management
- Technical Account Managers for proactive relationship and escalation management
- Priority on service delivery and repair parts
- 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

United Kingdom



Lenovo Dual-Mode Wireless ANC Headset 6550 (USB-C, Teams) 4XD1S19778



Lenovo 350 Bluetooth Silent Mouse (Fan Edition - Argentina) GY51U71763



Lenovo 16" Laptop Everyday Backpack B510 4X41U80414

Please click here to view the full list of accessories.

Lenovo PSREF Product Specifications Reference