ThinkPad P15v Gen 3 (Intel) 21D80069MZ

PSREF
Product Specifications Reference

PERFORMANCE

Processor
Intel® Core™ i9-12900H, 14C (6P + 8E) / 20T, P-core 2.5 / 5GHz, E-core 1.8 / 3.8GHz, 24MB

Graphics
NVIDIA® RTX A2000 4GB GDDR6

Chipset
Intel SoC Platform

Memory
1x 32GB SO-DIMM DDR5-4800 Non-ECC

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

Max Memory
Up to 64GB DDR5-4800

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
• RAID 0/1 support

Storage Slot
Two M.2 2280 PCIe 4.0 x4 slots

Card Reader
SD Reader

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

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

Camera
HD 720p + IR with Privacy Shutter

Microphone
2x, Array

Battery
Integrated 68Wh

Power Adapter
135W Slim Tip (3-pin)

DESIGN

Display[2]
15.6" UHD (3840x2160) IPS 600nits Anti-glare, 100% Adobe® RGB, DisplayHDR™ 400, Dolby Vision™

Keyboard
Backlit, Swiss

Case Color
Black

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

Dimensions (WxDxH)[3]
366.5 x 250 x 22.7 mm (14.43 x 9.84 x 0.89 inches)

Weight[4]
Starting at 2.226 kg (4.91 lbs)

SOFTWARE

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

CONNECTIVITY

Ethernet
100/1000M (RJ-45)

WLAN + Bluetooth®[5]
Intel Wi-Fi® 6E AX211, 11ax 2x2 + BT5.1

WWAN
WWAN Upgradable to 4G

Standard Ports[6]
- 2x USB 3.2 Gen 1 (one Always On)
- 1x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x SD card reader
- 1x Ethernet (RJ-45)
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Power connector

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

Docking
Various docking solutions supported via Thunderbolt, USB-C®, or USB-A.
For more compatible docking solutions, please visit Docking for ThinkPad® P15v Gen 3 (Intel)

SECURITY & PRIVACY

Smart Card Reader
Smart Card Reader

Security Chip
Discrete TPM 2.0 Enabled

Fingerprint Reader
Touch Style, Match-on-Chip, on Palm Rest

Physical Locks
Kensington® Security Slot™, 3 x 7 mm

Other Security
- Camera privacy shutter
- Bottom cover tamper detection

MANAGEABILITY

System Management[7]
Intel® vPro® Enterprise

SERVICE

Base Warranty
3-year, Courier or Carry-in

Included Upgrade
3Y Premier TP WS WHB (CPN), CO2 Offset 2 ton

CERTIFICATIONS

Green Certifications[8]
- ENERGY STAR® 8.0
- EPEAT™ Gold Registered
- TCO Certified 9.0
- RoHS compliant

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

ISV Certifications
Please visit ISV certifications for Lenovo® Workstations

MODEL

TopSeller	: Yes	**Announce Date**	: 2023-03-14
EAN / UPC / JAN	: 0196804996943	**End of Support**	: 2028-10-08



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 results with current Lenovo storage offerings. The system may support larger storage as the technology develops.
[2] IPS (in-plane switching) technology may refer to IPS,.....
· Lenovo reserves the right to change specifications without notice.
To see more note information, please link to
https://psref.lenovo.com/Detail/2003?M=21D80069MZ

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 USB-C Dock Gen 2

40AS0090US

- Lenovo understands that modern business depends on a wide variety of PC's and even brands to meet their business needs. To make this easier Lenovo USB-C dock is compatible with Lenovo notebooks as well as note...



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

40AF0135US

The ThinkPad Hybrid USB-C with USB-A Dock expands the capabilities of most any laptop, new or old, making it perfect for enterprise customers with mixed-PC or shared-desk environments. Featuring enterprise-class manag...

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

Lenovo **PSREF**
Product Specifications Reference