ThinkPad P16 Gen 1 21D6009FUS

PSREF
Product Specifications Reference

PERFORMANCE

Processor
Intel® Core™ i9-12950HX, 16C (8P + 8E) / 24T, P-core 2.3 / 5.0GHz, E-core 1.7 / 3.6GHz, 30MB

Graphics
NVIDIA® RTX A5500 16GB GDDR6 ECC

Chipset
Intel WM690 Chipset

Memory
2x 8GB SO-DIMM DDR5-4800 Non-ECC

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

Max Memory
Up to 128GB (4x 32GB DDR5 SO-DIMM)

Storage
512GB 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 8TB, 4TB each
• RAID 0/1 support

Storage Slot
Two M.2 2280 PCIe 4.0 x4 slots

Card Reader
SD 7.0 Card Reader

Audio Chip
High Definition (HD) Audio, Realtek® ALC3306 codec

Speakers
Stereo speakers, 2W x2, Dolby® Atmos®

Camera
FHD 1080p + IR with Privacy Shutter

Microphone
2x, Array

Battery
Integrated 94Wh

Power Adapter
230W Slim Tip (3-pin)

DESIGN

Display[2]
16" WQUXGA (3840x2400) IPS 600nits Anti-glare, 100% Adobe® RGB, DisplayHDR™ 400, Dolby Vision™, TÜV Low Blue Light

Color Calibration
Factory Color Calibration

Keyboard
Backlit, English

Case Color
Storm Grey (Top), Villi Black (Bottom)

Case Material
Aluminium (Top), PPS + 50% GF (Bottom)

Pen
No Support

Dimensions (WxDxH)[3]
364 x 266 x 30.23 mm (14.3 x 10.5 x 1.2 inches)

Weight[4]
Starting at 2.95 kg (6.5 lbs)

SOFTWARE

Operating System
Windows® 11 DG Windows 10 Pro 64, English

CONNECTIVITY

Ethernet
No Onboard Ethernet

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

Standard Ports[6]
- Models with NVIDIA graphics: 1x HDMI® 2.1, up to 8K/60Hz
- 2x USB 3.2 Gen 1 (one Always On)
- 1x USB-C® 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 2x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort 1.4)
- 1x Headphone / microphone combo jack (3.5mm)
- 1x SD Express 7.0 card reader

Docking
Various docking solutions supported via Thunderbolt or USB-C.
For more compatible docking solutions, please visit Docking for ThinkPad® P16 Gen 1

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
- Bottom cover tamper detection

MANAGEABILITY

System Management[7]
Intel® vPro® Enterprise

SERVICE

Base Warranty
3-year, Courier or Carry-in

Included Upgrade
3Y Sealed Battery Add On, 3Y Premier Support Upgrade from 3Y Courier/Carry-in

CERTIFICATIONS

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

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	: 2022-05-31
EAN / UPC / JAN	: 196801261921	End of Support	: N/A



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 link to

https://psref.lenovo.com/Detail/2024?M=21D6009FUS

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...

Recommended Services

BEST	4Y Premier Support Plus upgrade from 3Y Premier Support (5WS1L39452)
BETTER	3Y Premier Support Plus upgrade from 3Y Premier Support (5WS1L39135)
GOOD	4Y Premier Support upgrade from 3Y Premier Support (5WS0W86674)

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

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