ThinkPad P16 Gen 1 21D6001FGE

PSREF
Product Specifications Reference

PERFORMANCE

Processor
Intel® Core™ i7-12850HX, 16C (8P + 8E) / 24T, P-core 2.1 / 4.8GHz, E-core 1.5 / 3.4GHz, 25MB

Graphics
NVIDIA® RTX A3000 12GB GDDR6 ECC

Chipset
Intel® WM690 Chipset

Memory
2x 16GB 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
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 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" WQXGA (2560x1600) IPS 400nits Anti-glare, 100% sRGB, TÜV Low Blue Light

Color Calibration
Factory Color Calibration

Keyboard
Backlit, German

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, German

CONNECTIVITY

Ethernet
No onboard Ethernet

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 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)
- Models with NVIDIA® graphics: 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x SD Express 7.0 card reader

Optional Ports (configured)
- 1x Smart Card Reader
- 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® P16 Gen 1

SECURITY & PRIVACY

Smart Card Reader
Smart Card Reader

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
- IR camera for Windows® Hello (facial recognition)
- 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
- 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**	: 2022-05-31
EAN / UPC / JAN	: 0196800505309	**End of Support**	: N/A

Note:
[1] The storage capacity supported is based on the test results with current Lenovo storage offerings.
[2] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.
[3] The system dimensions may vary depending on configurations.
[4] The system weight is approximate and based on results in Lenovo lab, which varies depending on the source of component, variance of the distribution of each component, and manufacturing process. It may not be the exact weight for each specific model.
[5] Bluetooth 5.3 is hardware ready but may run at a lower version due to OS limitations.
[6] Power Delivery only supports power-out for charging peripherals.
[7] Intel vPro offers a superset of DASH's defined capabilities.
[8] EPEAT is registered where applicable, please see.....

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to
https://psref.lenovo.com/Detail/2024?M=21D6001FGE

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 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...

Recommended Services

BEST	3Y Prermier Support Plus (5WS1L39135)
BETTER	3Y Keep Your Drive (5PS0V07097)
GOOD	3Y Sealed Battery (5WS0V07085)

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

Lenovo **PSREF**
Product Specifications Reference