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

Memory
2x 16GB SO-DIMM DDR5-4800 non-ECC

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

Max Memory
Up to 128GB

Storage
1TB SSD M.2 2280 PCIe® Gen 4x4 Performance NVMe® Opal2

Storage Support
Up to two drives, 2x M.2 SSD
• M.2 2280 SSD up to 8TB, 4TB each
• RAID 0/1 support

Card Reader
SD 7.0 Card Reader

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

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

Camera
IR & FHD 1080p with Privacy Shutter

Microphone
2x, Array

Battery
Integrated 94Wh

Power Adapter
230W Slim Tip (3-pin)

DESIGN

Display
16.0" WQXGA (2560x1600) IPS 400nits Anti-glare, 16:10, 100% sRGB, Low Blue Light, X-Rite® Pantone® Factory Color Calibration, DC Dimming

Color Calibrator
Factory Color Calibration

Keyboard
Backlit, German

Case Color
Storm Grey

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

Pen
No Support

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

Weight
Starting at 2.95 kg (6.5 lbs)

SOFTWARE

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

CONNECTIVITY

WLAN + Bluetooth®
Intel AX211 Wi-Fi® 6E, 2x2 + BT5.2

WWAN
WWAN Upgradable to 4G

Standard Ports
- Models with NVIDIA graphics: 1x HDMI®, 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 SD Express 7.0 card reader

Optional Ports (configured)
- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

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

Fingerprint Reader
Integrated in Power Button

Physical Locks
Kensington® Nano Security Slot, 2.5 x 6 mm

Other Security
Camera privacy shutter

MANAGEABILITY

System Management
Intel® vPro Enterprise

SERVICE

Base Warranty
3-year, Depot

Included Upgrade
3Y Premier TP WS WHB (CPN) (5WS1B09494), CO2 Offset 2 ton (5WS1C41957)

CERTIFICATIONS

Green Certifications
- EPEAT™ Gold
- ENERGY STAR® 8.0
- 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	: 0196800505309	**End of Support**	: N/A



· Lenovo reserves the right to change specifications or other product information without notice.
· Product image on this page is a sample, it may not match the real color of this model
· Battery life is an estimated maximum. Actual battery life may vary based on many factors, including screen brightness, active applications, features, power management settings, battery age and conditioning, and other customer preferences

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 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...

Recommended Services

BEST	5Y Premier Support upgrade from 3Y Premier Support (5WS0W86655)
BETTER	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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