ThinkPad P1 Gen 5 21DC0046US

Lenovo PSREF Product Specifications Reference

PERFORMANCE

Processor
Intel® Core™ i7-12800H, 14C (6P + 8E) / 20T, P-core 2.4 / 4.8GHz, E-core 1.8 / 3.7GHz, 24MB

Graphics
NVIDIA® RTX A3000 12GB GDDR6 ECC

Chipset
Intel SoC Platform

Memory
2x 16GB 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
Models with NVIDIA GeForce/RTX A3000/A4500/A5500: one drive, up to 4TB M.2 2280 SSD

Storage Slot
Models with NVIDIA GeForce/RTX A3000/A4500/A5500: one M.2 2280 PCIe 4.0 x4 slot

Card Reader
SD 7.0 Card Reader

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

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

Camera
FHD 1080p + IR with Privacy Shutter

Microphone
2x, Array

Battery
Integrated 90Wh

Power Adapter
230W Slim Tip (3-pin)

DESIGN

Display
16" WQXGA (2560x1600) IPS 500nits Anti-glare, 100% sRGB, 165Hz, TÜV Low Blue Light

Color Calibration
Factory Color Calibration

Keyboard
Backlit, English

Case Color
Black

Case Material
CFRP / GFRP hybrid (top), Aluminium (bottom)

Pen
No Support

Dimensions (WxDxH)
359.5 x 253.8 x 17.7 mm (14.15 x 9.99 x 0.7 inches)

Weight[2]
1.81 kg (3.99 lbs)

SOFTWARE

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

Bundled Software
Lenovo® Security Assurance 48-month

CONNECTIVITY

Ethernet
No onboard Ethernet

WLAN + Bluetooth®
Intel Wi-Fi® 6E AX211, 11ax 2x2 + BT 5.1

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

Optional Ports (configured)
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® P1 Gen 5

SECURITY & PRIVACY

Security Chip
Discrete TPM 2.0

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

MANAGEABILITY

System Management
Intel® vPro® Enterprise

SERVICE

Base Warranty
3-year, Courier or Carry-in

Included Upgrade
3Y Sealed Battery Add On (5WS0V07085), 3Y Premier Support Upgrade from 3Y Courier/Carry-in (5WS0V07092)

CERTIFICATIONS

Green Certifications
- EPEAT™ Gold
- ENERGY STAR® 8.0
- 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**	: 2022-04-26
EAN / UPC / JAN	: 196800767899	**End of Support**	: 2028-11-26



To see more note information, please link to https://psref.lenovo.com/Detail/ThinkPad_P1_Gen_5?M=21DC0046US .

· Lenovo reserves the right to change specifications or other product information without notice.
· Battery life is an estimated maximum. Actual battery life may vary by hardware or system settings, active applications, battery conditioning, etc.
· 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

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 Professional 15.6-inch Backpack

4X40Q26383

The Lenovo ThinkPad Professional Backpack is a streamlined yet versatile backpack for the on-the-go professional. This clean, modern design carries, protects, and organizes your mobile office, while premium, lightweig...

Recommended Services

BEST	4Y Lenovo Protect (Premier Support + ADP + KYD + 3Y SBTY + International Upg) (5PS1D67024)
BETTER	3Y Lenovo Protect (ADP + KYD + SBTY + International Upg) (5PS1D67023)
GOOD	3Y Lenovo Support (KYD + SBTY + International Upg) (5PS1D67026)

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

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Product Specifications Reference