ThinkPad P1 Gen 5 21DC000EFR

Lenovo PSREF Product Specifications Reference

PERFORMANCE

Processor[1]
Intel® Core™ i7-12700H, 14C (6P + 8E) / 20T, P-core 2.3 / 4.7GHz, E-core 1.7 / 3.5GHz, 24MB

Graphics
NVIDIA® RTX A2000 8GB GDDR6

Chipset
Intel® SoC Platform

Memory
1x 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
512GB SSD M.2 2280 PCIe® 4.0x4 Performance NVMe® Opal 2.0

Storage Support[2]
Models with integrated graphics or NVIDIA® RTX A1000/A2000: up to two drives, 2x M.2 SSD
• M.2 2280 SSD up to 8TB, 4TB each
• RAID 0/1 support

Storage Slot
Models with Intel® integrated graphics or NVIDIA® RTX A1000/A2000: two M.2 2280 PCIe® 4.0 x4 slots

RAID Preset
None

Card Reader
SD 7.0 Card Reader

Optical
None

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
170W Slim Tip (3-pin)

DESIGN

Display[3]
16" WQXGA (2560x1600) IPS 500nits Anti-glare, 100% sRGB, 165Hz

Touchscreen
None

Color Calibration
Factory Color Calibration

Keyboard
Backlit, French

Case Color
Black

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

Pen
No Support

Dimensions (WxDxH)[4]
359.5 x 253.8 x 17.7 mm (14.15 x 9.99 x 0.7 inches)

Weight[5]
Starting at 1.81 kg (3.99 lbs)

SOFTWARE

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

Bundled Software
None

CONNECTIVITY

Ethernet[6]
No Onboard Ethernet

WLAN + Bluetooth®[7]
Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 + BT5.1

WWAN
None

SIM Card
None

NFC
None

Standard Ports
- 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)
- 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
- 1x Power connector

Optional Ports (configured)
None

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

Smart Card Reader
No 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
- Camera privacy shutter (camera models)
- IR camera for Windows® Hello (facial recognition)
- Bottom cover tamper detection

MANAGEABILITY

System Management[8]
Non-vPro®

SERVICE

Base Warranty
3-year, Courier or Carry-in

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

ACCESSORIES

Bundled Accessories[9]
None

CERTIFICATIONS

Green Certifications[10]
- ENERGY STAR® 8.0
- EPEAT™ Gold Registered
- 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**	: 2022-04-26
EAN / UPC / JAN	: 0196380260131	**End of Support**	: 2028-11-26

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to
https://psref.lenovo.com/Detail/2002?M=21DC000EFR

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	3Y Premier Support Plus upgrade from 3Y Premier Support (5WS1L39135)
BETTER	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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