ThinkPad P1 Gen 5 21DC0016IX

PSREF
Product Specifications Reference

PERFORMANCE

Processor
Intel® Core™ i9-12900H, 14C (6P + 8E) / 20T, P-core 2.5 / 5GHz, E-core 1.8 / 3.8GHz, 24MB

Graphics
NVIDIA® GeForce RTX™ 3080 Ti 16GB GDDR6

Chipset
Intel SoC Platform

Memory
1x 32GB 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® Gen 4x4 Performance NVMe® Opal2

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 Gen 4x4 slot, supports M.2 2280 SSD

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
IR & FHD 1080p with Privacy Shutter

Microphone
2x, Array

Battery
Integrated 90Wh

Power Adapter
230W Slim Tip (3-pin)

DESIGN

Display
16.0" WQUXGA (3840x2400) IPS 600nits Anti-glare, 16:10, 100% Adobe® RGB, Low Blue Light, Dolby Vision™, HDR 400, DC Dimming

Color Calibration
Factory Color Calibration

Keyboard
Backlit, Italian

Case Color
37-degree twill CF Weave

Case Material
CFRP / GFRP (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
1.81 kg (3.99 lbs)

SOFTWARE

Operating System
Windows® 11 DG Windows 10 Pro 64, WE (EN/FR/DE/NL/IT)

CONNECTIVITY

Ethernet
No onboard Ethernet

WLAN + Bluetooth®
Intel AX211 Wi-Fi® 6E, 2x2 + BT5.1

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

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 3 ton (5WS1C41958)

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	: 0196380253898	**End of Support**	: 2028-11-26



· 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 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	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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