

PERFORMANCE

Processor⁽¹⁰⁾

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

Graphics

NVIDIA® RTX A1000 4GB 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⁽¹¹⁾

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

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

170W Slim Tip (3-pin)

DESIGN

Display⁽¹²⁾

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)⁽¹³⁾

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

Weight⁽¹⁴⁾

Starting at 1.81 kg (3.99 lbs)

SOFTWARE

Operating System

Windows® 11 Pro, English

CONNECTIVITY

Ethernet⁽¹⁵⁾

No onboard Ethernet

WLAN + Bluetooth⁽¹⁶⁾

Intel Wi-Fi® 6E AX211, 11ax 2x2 + BT5.1

Standard Ports

- Models with NVIDIA graphics: 1x HDMI® 2.1, 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

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
- Bottom cover tamper detection

MANAGEABILITY

System Management⁽¹⁷⁾

Intel® vPro® Enterprise

SERVICE

Base Warranty

3-year, Courier or Carry-in

Included Upgrade

3Y Sealed Battery Add On, 3Y Premier Support Upgrade from 3Y Courier/Carry-in

CERTIFICATIONS

Green Certifications⁽¹⁸⁾⁽¹⁹⁾

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered
- 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** : 2023-06-13

EAN / UPC / JAN : 197528680392 **End of Support** : 2028-11-26

To see more note information, please link to

https://psref.lenovo.com/Detail/ThinkPad_P1_Gen_5?M=21DC006KUS.

· 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, lightweight...

Recommended Services

BEST	5Y Lenovo Protect (Premier Support + ADP + KYD + International Service Entitlement) For Embedded MTM (5PS1K54547)
BETTER	4Y Lenovo Support (Premier Support + KYD + International Service Entitlement) For Embedded MTM (5PS1K54545)
GOOD	3Y Lenovo Protect (ADP + KYD + International Service Entitlement) For Embedded MTM (5PS1K54544)

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



PSREF
Product Specifications
Reference