

## PERFORMANCE

### Processor<sup>(11)</sup>

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

### Graphics<sup>(12)(13)</sup>

NVIDIA® GeForce RTX™ 3080 Ti 16GB GDDR6

### 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<sup>(14)</sup>

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<sup>(15)</sup>

16" WQXGA (3840x2400) IPS 600nits Anti-reflection / Anti-smudge, 100% Adobe® RGB, DisplayHDR™ 400, Dolby Vision™, TÜV Low Blue Light, Touch

### Touchscreen

OGM, 10-point Multi-touch

### Color Calibration

Factory Color Calibration

### Keyboard

Backlit, English

### Case Color

Black, Weave

### Case Material

CFRP / GFRP (top), Aluminium (bottom)

### Pen

Pen Upgradable (Purchase Separately)

### Dimensions (WxDxH)<sup>(16)</sup>

359.5 x 253.8 x 18.2 mm (14.15 x 9.99 x 0.72 inches)

### Weight<sup>(17)</sup>

Starting at 1.86 kg (4.1 lbs)

## SOFTWARE

### Operating System

Windows® 11 Pro, English

## CONNECTIVITY

### Ethernet<sup>(18)</sup>

No onboard Ethernet

### WLAN + Bluetooth<sup>(19)</sup>

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<sup>(20)</sup>

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<sup>(21)(22)</sup>

- 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** : 197528680477 **End of Support** : 2028-11-26

To see more note information, please link to

[https://psref.lenovo.com/Detail/ThinkPad\\_P1\\_Gen\\_5?M=21DC006PUS](https://psref.lenovo.com/Detail/ThinkPad_P1_Gen_5?M=21DC006PUS).

· 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

Lenovo may not offer the products, services or features discussed in this document in all regions. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area. Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. Lenovo provides this publication "as is" without warranty of any kind, either express or implied, including the implied warranties of merchantability or fitness for a particular purpose.

## 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