

PERFORMANCE

Processor

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

Graphics

NVIDIA® RTX A5500 16GB GDDR6 ECC

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® 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" WQXGA (2560x1600) IPS 500nits Anti-glare, 100% sRGB, 165Hz, Low Blue Light, DC Dimming

Color Calibration

Factory Color Calibration

Keyboard

Backlit, English (EU)

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

1.81 kg (3.99 lbs)

SOFTWARE

Operating System

Windows® 11 DG Windows 10 Pro 64, Romanian / English

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	: 0196380261978	End of Support	: 2028-11-26



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, 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>

PSREF

Product Specifications
Reference