

## 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, Czech / Slovak

### 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, Czech / Slovak / 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** : 0196380262012 **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

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...

### ThinkPad USB-C Dock Gen 2

40AS0090US

- Lenovo understands that modern business depends on a wide variety of PC's and even brands to meet their business needs. To make this easier Lenovo USB-C dock is compatible with Lenovo notebooks as well as note...

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

**PSREF**

Product Specifications  
Reference