

**PERFORMANCE****Processor**

Intel® Core™ i7-12700H, 14C (6P + 8E) / 20T, P-core 2.3 / 4.7GHz, E-core 1.7 / 3.5GHz, 24MB

**Graphics**

NVIDIA® RTX A2000 8GB 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® Gen 4x4 Performance NVMe®  
Opal2

**Storage Support**

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 Gen 4x4 slots, 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**

170W Slim Tip (3-pin)

**DESIGN****Display**

16.0" WUXGA (1920x1200) IPS 300nits Anti-glare, 100%

sRGB, Low Blue Light, DC Dimming

**Color Calibration**

Factory Color Calibration

**Keyboard**

Backlit, Spanish (LA)

**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, Spanish

**CONNECTIVITY****Ethernet**

No onboard Ethernet

**WLAN + Bluetooth®**

Intel AX211 Wi-Fi® 6E, 2x2 + BT5.2

**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**

Non-vPro

**SERVICE****Base Warranty**

1-year, Depot

**Included Upgrade**

3Y Premier Support Upgrade from 1Y Courier/Carry-in (5WSOV07078)

**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 : No

EAN / UPC / JAN : None

Announce Date : 2022-06-16

End of Support : N/A



## Premier Support - A direct 24x7x365 line to our most elite technicians.



Advanced technical support, 24x7x365, in more than 100 markets



Comprehensive hardware & OEM software support



Single point of contact for simplified end-to-end case management

## 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 Hybrid USB-C with USB-A Dock (American Standard Plug Type B)

40AF0135US

The ThinkPad Hybrid USB-C with USB-A Dock expands the capabilities of most any laptop, new or old, making it perfect for enterprise customers with mixed-PC or shared-desk environments. Featuring enterprise-class manag...



### 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