

## 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® GeForce RTX™ 3060 6GB GDDR6

### Chipset

Intel® SoC Platform

### Memory

1x 32GB SO-DIMM DDR5-4800

### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

### Max Memory<sup>[1]</sup>

Up to 64GB DDR5-4800

### Storage

512GB SSD M.2 2280 PCIe® 4.0x4 Performance NVMe® Opal 2.0

### Storage Support<sup>[2]</sup>

Models with RTX 3060/3070 Ti/3080 Ti graphics: one drive, up to 4TB M.2 2280 SSD

### Storage Slot

One M.2 2280 PCIe® 4.0 x4 slot (models with RTX 3060/3070 Ti/3080 Ti graphics)

### RAID Preset

None

### Card Reader

SD Express 7.0 Card Reader

### Optical

None

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

### Speakers

Stereo speakers, 2W x2, Dolby Atmos®

### Camera

FHD 1080p + IR Hybrid with Privacy Shutter

### Microphone

2x, Array

### Battery

Integrated 90Wh

### Power Adapter

230W Slim Tip (3-pin)

## DESIGN

### Display<sup>[3][4]</sup>

16" WQUXGA (3840x2400) IPS 600nits Anti-glare, 100% Adobe® RGB, 60Hz, DisplayHDR™ 400, Dolby Vision®

### Touchscreen

None

### Color Calibration

Factory Color Calibration

### Keyboard

Backlit, French

### Case Color

Deep Black, Weave

### Case Material

Carbon Fiber (Top), Aluminium (Bottom)

### Pen

No Support

### Dimensions (WxDxH)<sup>[5]</sup>

359.5 x 253.8 x 17.9 mm (14.15 x 9.99 x 0.7 inches)

### Weight<sup>[6]</sup>

Starting at 1.88 kg (4.14 lbs)

## SOFTWARE

### Operating System

Windows® 11 DG Windows® 10 Pro 64, French

### Bundled Software

None

## CONNECTIVITY

### Ethernet<sup>[7]</sup>

No Onboard Ethernet

### WLAN + Bluetooth<sup>[8][9]</sup>

Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 + BT5.1

### WWAN

None

### SIM Card

None

### NFC

NFC

### Standard Ports

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 2x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x SD Express 7.0 card reader
- 1x Power connector

### Optional Ports (configured)

None

### Docking

Various docking solutions supported via Thunderbolt™ / USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® X1 Extreme Gen 5](#)

## SECURITY & PRIVACY

### Smart Card Reader

None

### 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

- IR camera for Windows® Hello (facial recognition)
- Camera privacy shutter
- Glance by Mirametrix®
- Tile ready

## MANAGEABILITY

### System Management

Non-vPro®

## SERVICE

### Base Warranty

3-year, Courier or Carry-in

### Included Upgrade

3Y Premier Support WHB (CPN)

## ACCESSORIES

### Bundled Accessories<sup>[10]</sup>

None

## CERTIFICATIONS

### Green Certifications<sup>[11]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered
- ErP Lot 3
- RoHS compliant
- TCO Certified 9.0

### Other Certifications

TÜV Rheinland® Low Blue Light (Hardware Solution)

### Mil-Spec Test

MIL-STD-810H military test passed

## MODEL

|                        |                 |                       |              |
|------------------------|-----------------|-----------------------|--------------|
| <b>TopSeller</b>       | : Yes           | <b>Announce Date</b>  | : 2022-05-31 |
| <b>EAN / UPC / JAN</b> | : 0196801648319 | <b>End of Support</b> | : N/A        |

Note:

<sup>[1]</sup> The max memory is based on the test results with current Lenovo memory offerings.

<sup>[2]</sup> The storage capacity supported is based on the test.....

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to

<https://psref.lenovo.com/Detail/2017?M=21DE003WFR>

## 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 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...

## Recommended Services

|        |                                                                      |
|--------|----------------------------------------------------------------------|
| BEST   | 3Y Premier Support Plus upgrade from 3Y Premier Support (5WS1L39253) |
| BETTER | 3Y Lenovo Support (KYD + SBTY + International Upg) (5PS1D67026)      |

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



**PSREF**  
Product Specifications  
Reference