

## PERFORMANCE

### Processor

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

### Graphics

NVIDIA® GeForce® RTX™ 3080 Ti 16GB GDDR6

### Chipset

Intel SoC Platform

### Memory

1x 32GB SO-DIMM DDR5-4800

### 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® Opal2

### Storage Support

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

### Card Reader

SD Express 7.0 card reader

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

### Speakers

Stereo speakers, 2W x2, Dolby® Audio™ Premium

### Camera

IR & FHD 1080p with Privacy Shutter

### Microphone

2x, Array

### Battery

Integrated 90Wh

### Power Adapter

230W Slim Tip (3-pin)

## DESIGN

### Display

16" WQUXGA (3840x2400) IPS 600nits Anti-glare, 100% Adobe® RGB, Low Blue Light, HDR 400, Dolby Vision™

### Color Calibrator

Factory Color Calibration

### Keyboard

Backlit, Italian

### Case Color

Black, Weave

### Case Material

Carbon Fiber (Top), Aluminium (Bottom)

### Pen

No Support

### Dimensions (WxDxH)

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

### Weight

Around 1.88 kg (4.14 lbs)

## SOFTWARE

### Operating System

Windows® 11 Pro 64, WE (EN/FR/DE/NL/IT)

### Bundled Software

Intel Connectivity Performance Suite

## CONNECTIVITY

### WLAN + Bluetooth®

Intel AX211 Wi-Fi® 6E, 2x2 + BT5.2

### 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®, up to 8K/60Hz
- 1x SD card reader
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Power connector
- 1x SD Express 7.0 card reader

### 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

### 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

- IR camera for Windows® Hello
- Camera privacy shutter
- Mirametrix Glance
- Tile ready

## MANAGEABILITY

### System Management

Intel® vPro Enterprise

## SERVICE

### Base Warranty

3-year, Depot

### Included Upgrade

3Y Premier TP Halo WHB (CPN) (5WS1B09495), CO2 Offset 2 ton (5WS1C41957)

## CERTIFICATIONS

### Green Certifications

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

### Other Certifications

TÜV Rheinland® Low Blue Light Method 2

### Mil-Spec Test

MIL-STD-810H military test passed

## MODEL

<b>TopSeller</b>	: Yes	<b>Announce Date</b>	: 2022-05-03
<b>EAN / UPC / JAN</b>	: 0196800272935	<b>End of Support</b>	: 2028-12-05



intel

## 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	5Y Premier Support upgrade from 3Y Premier Support (5WS0W86745)
BETTER	4Y Premier Support upgrade from 3Y Premier Support (5WS0W86716)

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

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**PSREF**  
Product Specifications  
Reference