

PERFORMANCE

Processor

Intel® Core™ i7-12800H, 14C (6P + 8E) / 20T, P-core 2.4 / 4.8GHz, E-core 1.8 / 3.7GHz, 24MB

Graphics

NVIDIA® GeForce RTX™ 3070 Ti 8GB GDDR6

Chipset

Intel SoC Platform

Memory

2x 8GB SO-DIMM DDR5-4800

Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

Max Memory^[1]

Up to 64GB DDR5-4800

Storage

1TB SSD M.2 2280 PCIe® x4 NVMe® Opal 2.0

Storage Support^[2]

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)

Card Reader

SD Express 7.0 Card Reader

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^{[3][4]}

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

Touchscreen

OGM, 10-point Multi-touch

Color Calibration

Factory Color Calibration

Keyboard

Backlit, English

Case Color

Deep Black, Weave

Case Material

Carbon Fiber (Top), Aluminium (Bottom)

Pen

Pen Upgradable (Purchase Separately)

Dimensions (WxDxH)^[5]

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

Weight^[6]

Starting at 1.88 kg (4.14 lbs)

SOFTWARE

Operating System

Windows® 11 Pro, English

Bundled Software

Lenovo® Security Assurance 48-month + Intel Connectivity Performance Suite

CONNECTIVITY

Ethernet^[7]

No Onboard Ethernet

WLAN + Bluetooth^{[8][9]}

Intel Wi-Fi® 6E AX211, 11ax 2x2 + BT5.1

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 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 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

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

MANAGEABILITY

System Management^[10]

Intel® vPro® Enterprise

SERVICE

Base Warranty

3-year, Courier or Carry-in

Included Upgrade

3Y Sealed Battery Add On, 3Y Premier Support Upgrade from 3Y Courier/Carry-in

CERTIFICATIONS

Green Certifications^[11]

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered
- 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

TopSeller : Yes **Announce Date** : 2023-06-27

EAN / UPC / JAN : 197528887821 **End of Support** : 2028-12-05

Note:

^[1] The max memory is based on the test results with current Lenovo memory offerings. The system may support more memory as the technology develops.

^[2] The storage capacity supported is based on the test results with current Lenovo storage offerings. The system may support larger storage as the technology develops.

^[3] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

^[4] Dolby Vision and DisplayHDR 400 are only supported under hybrid graphics mode.

^[5] The system dimensions may vary depending on configurations.

^[6] The system weight is approximate and based on results in.....

· Lenovo reserves the right to change specifications without notice.

· California Electronic Waste Recycling Fee In California, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product. For more information, go to:

<https://www.calrecycle.ca.gov/Electronics/Consumer>

To see more note information, please link to

<https://psref.lenovo.com/Detail/2017?M=21DE004RUS>

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	4Y Premier Support Plus upgrade from 3Y Premier Support (5WS1L39208)
BETTER	3Y Premier Support Plus upgrade from 3Y Premier Support (5WS1L39253)
GOOD	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