

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® RTX A2000 4GB 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® 4.0x4 NVMe® Opal 2.0

Storage Support^[1]

Up to two drives, 2x M.2 SSD

- M.2 2280 SSD up to 4TB, 2TB each
- RAID 0/1 support

Storage Slot

Two M.2 2280 PCIe® 4.0 x4 slots

RAID Preset

None

Card Reader

SD Reader

Optical

None

Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

Speakers

Stereo speakers, 2W x2, Dolby Audio™ Premium

Camera

HD 720p + IR with Privacy Shutter

Microphone

2x, Array

Battery

Integrated 68Wh

Power Adapter

135W Slim Tip (3-pin)

DESIGN

Display^[2]

15.6" FHD (1920x1080) IPS 300nits Anti-glare, 45% NTSC

Touchscreen

None

Color Calibration

None

Keyboard

Backlit, German

Case Color

Black

Case Material

PC-ABS (Top), PC-ABS (Bottom)

Dimensions (WxDxH)^[3]

366.5 x 250 x 22.7 mm (14.43 x 9.84 x 0.89 inches)

Weight^[4]

Starting at 2.226 kg (4.91 lbs)

SOFTWARE

Operating System

Windows® 11 DG Windows® 10 Pro 64, German

Bundled Software

None

CONNECTIVITY

Ethernet

100/1000M (RJ-45)

WLAN + Bluetooth^[5]

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

WWAN

WWAN Upgradable to 4G

SIM Card

None

NFC

None

Standard Ports^[6]

- 2x USB 3.2 Gen 1 (one Always On)
- 1x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)
- 1x SD card reader
- 1x Power connector

Optional Ports (configured)

- 1x Nano-SIM Card Slot
- 1x Smart Card Reader

Docking

Various docking solutions supported via Thunderbolt™, USB-C®, or USB-A.

For more compatible docking solutions, please visit [Docking for ThinkPad® P15v Gen 3 \(Intel®\)](#)

SECURITY & PRIVACY

Smart Card Reader

Smart Card Reader

Security Chip

Discrete TPM 2.0 Enabled

Fingerprint Reader

Touch Style, Match-on-Chip, on Palm Rest

Physical Locks

Kensington® Security Slot™, 3 x 7 mm

Other Security

- Camera privacy shutter (camera models)
- IR camera for Windows® Hello (facial recognition)
- Bottom cover tamper detection

MANAGEABILITY

System Management^[7]

Intel® vPro® Enterprise

SERVICE

Base Warranty

3-year, Courier or Carry-in

Included Upgrade

1Y Premier Support from 3Y Depot Windchill bundles (CPN), CO2 Offset 2 ton

ACCESSORIES

Bundled Accessories^[8]

None

CERTIFICATIONS

Green Certifications^[9]

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

Mil-Spec Test

MIL-STD-810H military test passed

ISV Certifications

Please visit [ISV certifications for Lenovo® Workstations](#)

MODEL

TopSeller	: Yes	Announce Date	: 2022-10-25
EAN / UPC / JAN	: 0196803401172	End of Support	: 2028-10-08

Note:

[1] The storage capacity supported is based on the test results with current Lenovo storage offerings.

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

[3] The system dimensions may vary depending on configurations.

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

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to

<https://psref.lenovo.com/Detail/2003?M=21D8005FGE>

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 upgrade from 1Y Premier Support (5WS1H31745)
BETTER	2Y Premier Support upgrade from 1Y Premier Support (5WS1H31781)
GOOD	3Y Sealed Battery Add On (5WS1H31713)

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



PSREF
Product Specifications
Reference