

## PERFORMANCE

### Processor<sup>[1]</sup>

Intel® Core™ i9-12900, 16C (8P + 8E) / 24T, Max Turbo up to 5.6GHz, P-core 2.4 / 5.0GHz, E-core 1.8 / 3.8GHz, 30MB

### Graphics

Integrated Intel® UHD Graphics 770

### Chipset

Intel® Q670 Chipset

### Memory

1x 16GB UDIMM DDR4-3200

### Memory Slots

Four DDR4 DIMM slots, dual-channel capable

### Max Memory<sup>[2]</sup>

Up to 128GB DDR4-3200

### Storage

1TB SSD M.2 2280 PCIe® 4.0x4 NVMe® Opal

### Storage Support<sup>[3][4]</sup>

Up to three drives, 1x 2.5"/3.5" HDD + 1x 2.5" HDD + 1x M.2 SSD

- 2.5" HDD up to 1TB each
- 3.5" HDD up to 2TB
- M.2 SSD up to 2TB

### Card Reader

3-in-1 Card Reader

### Optical

None

### Audio Chip

High Definition (HD) Audio, Realtek® ALC897Q-CG codec

### Speakers

1Wx1

### Power Supply

260W 90%

## DESIGN

### Keyboard

USB Calliope Keyboard, Black, English

### Mouse

USB Calliope Mouse, Black

### Optional Bay

None

### Expansion Slots

- One PCIe® 4.0 x16, low-profile, length ≤ 155mm, height ≤ 70mm
- Two PCIe® 3.0 x1, low-profile, length ≤ 155mm, height ≤ 70mm
- Two M.2 slots (one for WLAN, one for SSD)

### Case Color

Black

### Stand

None

### Dust Filter

None

### Pen

Pen Not Supported

### Form Factor

SFF (8.2L)

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

92.5 x 297.7 x 339.5 mm (3.6 x 11.7 x 13.4 inches)

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

Around 5.3 kg (11.7 lbs)

## CONNECTIVITY

### Ethernet

Integrated 100/1000M

### WLAN + Bluetooth®

None

### WWAN

Non-WWAN

### Front Ports

- 1x USB-C® 3.2 Gen 1 (15W charging)
- 2x USB 3.2 Gen 1
- 2x USB 3.2 Gen 2
- 1x headphone / microphone combo jack (3.5mm)
- 1x microphone (3.5mm)

### Optional Front Ports (configured)

1x card reader

### Rear Ports

- 4x USB 2.0
- 1x HDMI® 2.1 TMDS
- 2x DisplayPort™ 1.4a (HBR2, DSC)
- 1x Ethernet (RJ-45)
- 1x line-out (3.5mm)

### Optional Rear Ports (configured)

None

## SECURITY & PRIVACY

### Security Chip

Discrete TPM 2.0, TCG certified

### Fingerprint Reader

No fingerprint reader

### Physical Locks

- Kensington® Security Slot™, 3 x 7 mm
- Padlock Loop

### Smart Cable Clip

None

### Chassis E-Lock

None

### Chassis Intrusion Switch

None

## MANAGEABILITY

### System Management

Non-vPro®

## SERVICE

### Base Warranty

1-year, Onsite

### Included Upgrade

3Y Premier Support Upgrade from 1Y Onsite

## CERTIFICATIONS

### Green Certifications

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

### Mil-Spec Test

MIL-STD-810H military test passed (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Fungus, Solar Radiation, Contamination by Fluids, Salt Fog)

## SOFTWARE

### Operating System

Windows® 11 DG Windows® 10 Pro 64, English

### Bundled Software

None

## ACCESSORIES

### Bundled Accessories

None

## MODEL

|                        |        |                       |              |
|------------------------|--------|-----------------------|--------------|
| <b>TopSeller</b>       | : No   | <b>Announce Date</b>  | : 2022-05-03 |
| <b>EAN / UPC / JAN</b> | : None | <b>End of Support</b> | : 2029-08-25 |

Note:

<sup>[1]</sup> Intel Max Turbo frequency will vary depending on application workload and the hardware and software configurations, see

<http://www.intel.com/technology/turboboost/> for more information.

<sup>[2]</sup> The max memory is based on the test results with current Lenovo memory offerings.

<sup>[3]</sup> The max capacity of each disk type is based on the test.....

· Lenovo reserves the right to change specifications without notice.

To see more note information, please access the [web page](#).

## 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



### Lenovo Powered USB-C Travel Hub

4X90S92381

Travel-Ready Productivity Powerhouse; One-stop travel docking is finally here. Connect and charge new and legacy devices wherever you happen to be. Sleek and compact, the Lenovo Powered USB-C Travel Hub fits unlimited...

## Recommended Services

|        |                                                                      |
|--------|----------------------------------------------------------------------|
| BEST   | 5Y Premier Support Plus upgrade from 3Y Premier Support (5WS1L39122) |
| BETTER | 4Y Premier Support Plus upgrade from 3Y Premier Support (5WS1L39515) |
| GOOD   | 3Y Premier Support Plus upgrade from 3Y Premier Support (5WS1L39066) |

Please click [here](#) to view the full list of accessories.



**PSREF**  
Product Specifications  
Reference