

## PERFORMANCE

### Processor

Intel® Core™ i5-13400, 10C (6P + 4E) / 16T, P-core 2.5 / 4.6GHz, E-core 1.8 / 3.3GHz, 20MB

### Graphics

Integrated Intel® UHD Graphics 730

### Chipset

Intel® B760 Chipset

### Memory

1x 8GB UDIMM DDR5-4800

### Memory Slots

Two DDR5 UDIMM slots, dual-channel capable

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

Up to 64GB DDR5-5600

### Storage

256GB SSD M.2 2280 PCIe® 4.0x4 NVMe® Opal 2.0

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

- Up to two drives, 1x 3.5" HDD + 1x M.2 SSD
  - 3.5" HDD up to 2TB
  - M.2 SSD up to 1TB
- For installing HDD storage, 3.5" HDD screw and grommet kit is needed.

### Card Reader

3-in-1 Card Reader

### Optical

None

### Audio Chip

High Definition (HD) Audio, Realtek® ALC623-CG codec

### Speakers

1Wx1

### Power Supply

180W 85%

## DESIGN

### Keyboard

USB Calliope Keyboard, Black, Portuguese

### Mouse

USB Calliope Mouse, Black

### Expansion Slots

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

### Case Color

Chassis: Black, Bezel: Grey

### Stand

None

### Pen

Pen Not Supported

### Form Factor

SFF (8.2L)

### Dimensions (WxDxH)<sup>[3]</sup>

92.5 x 291.4 x 339.5 mm (3.6 x 11.5 x 13.4 inches)

### Weight<sup>[4]</sup>

Around 4.2 kg (9.3 lbs)

## CONNECTIVITY

### WLAN + Bluetooth®

None

### WWAN

Non-WWAN

### Ethernet

Integrated 100/1000M

### Front Ports

- 1x USB-C® (USB 5Gbps / USB 3.2 Gen 1), with 15W charging
- 2x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x headphone / microphone combo jack (3.5mm)
- 1x microphone (3.5mm)

### Rear Ports<sup>[5]</sup>

- 4x USB-A (Hi-Speed USB / USB 2.0), one supports Smart Power On
- 1x HDMI® 2.1 TMDS
- 1x DisplayPort™ 1.4
- 1x VGA
- 1x Ethernet (RJ-45)
- 1x line-out (3.5mm)

### Monitor Cable

None

## SECURITY & PRIVACY

### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

### Fingerprint Reader

No fingerprint reader

### Physical Locks

Kensington® Security Slot™, 3 x 7 mm

### Smart Cable Clip

None

### Chassis Intrusion Switch

Chassis Intrusion Switch

### Additional Security

None

## SERVICE

### Base Warranty

1-year, Onsite

### Included Upgrade

CO2 Offset 0.5 ton (2nd Generation Carbon Offset Projects)

## CERTIFICATIONS

### Green Certifications

- RoHS / WEEE / REACH
- TCO Certified 9.0

## SOFTWARE

### Operating System

Windows® 11 Pro, Portuguese / English

### Bundled Software

None

## ACCESSORIES

### Bundled Accessories

Slim ODD Bracket Kit

## MODEL

Machine Type	: 12XF	TopSeller	: Yes
Announce Date	: 2025-02-01	EAN / UPC / JAN	: 0198157129504
End of Support	: 2031-04-30		



Product image is a sample, it may not match the real color of this model

Note:

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

[2] The max capacity of each disk type is based on the test results with current Lenovo storage offerings.

[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 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 USB-C to Ethernet Adapter

4X90S91831

The Lenovo USB-C to Ethernet Adapter is quick and easy way to connect your USB-C enabled notebook to Ethernet connections. It's ideal for imaging of systems or transferring large files quickly.



### Kensington MicroSaver 2.0 Cable Lock from Lenovo

4XE0N80914

Protect your device. Lenovo offers the latest standard in device security – the MicroSaver 2.0 Cable Lock From Lenovo. Engineered to be the smallest, strongest lock for laptops and other devices, the MicroSaver 2.0 re...

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



**PSREF**  
Product Specifications  
Reference