

**PERFORMANCE****Processor**

Intel® Core™ i7-13700, 16C (8P + 8E) / 24T, Max Turbo up to 5.2GHz, P-core 2.1 / 5.1GHz, E-core 1.5 / 4.1GHz, 30MB

**Processor Sockets**

1x FCLGA1700

**Integrated Graphics**

Integrated Intel® UHD Graphics 770

**Discrete Graphics**

1x NVIDIA® RTX 4000 Ada Generation 20GB

**Chipset**

Intel® W680 Chipset

**Memory<sup>[1]</sup>**

2x 32GB UDIMM DDR5-4400 Non-ECC

**Memory Slots**

4 DDR5 DIMM slots, 2 channels capable

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

Up to 128GB (4x 32GB DDR5 UDIMM)

**PCIe® NVMe® Controller**

Integrated NVMe® Controller

**PCIe® NVMe® Drive**

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

**SATA Controller**

Onboard Intel® RSTe SATA RAID

**SATA/SAS Drive**

None

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

Up to five drives (4x HDD + 1x M.2 SSD) or six drives (3x HDD + 3x M.2 SSD)

- 3.5" HDD up to 6TB each
- 2.5" HDD up to 1TB each
- M.2 SSD up to 4TB or 2TB each (see Storage Type)

**Optical**

None

**Audio Chip**

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

**Power Supply**

1100W Platinum Fixed

**DESIGN****Keyboard**

USB Traditional Keyboard, Black, English

**Mouse**

USB Calliope Mouse, Black

**Expansion Slots**

Supports four PCIe® slots with two PCIe® 4.0 x16 and two PCIe® 3.0 x1.

- Slot 1: PCIe® 4.0 x16, full height, full length, 75W, double-width
- Slot 2: PCIe® 3.0 x1, full height, half length, 25W
- Slot 3: PCIe® 4.0 x16 (x4 lanes), full height, half length, 25W
- Slot 4: PCIe® 3.0 x1, full height, half length, 25W

**Bays**

Up to four disk bays:

- Bay 1 supports one 3.5" / 2.5" drive, standard
- Bay 2 supports one 3.5" / 2.5" drive, optional
- Bay 3 supports one 3.5" / 2.5" drive, optional
- Bay 4 supports one 3.5" / 2.5" drive, optional
- Front Access HDD Bay supports one 3.5" / 2.5" drive, optional, occupies Bay 3 location

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

180 x 370 x 415 mm (7.09 x 14.57 x 16.34 inches)

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

13.61 kg (30.0. lbs, maximum configuration)

**CONNECTIVITY****Onboard Ethernet**

Intel® I219-LM, 1x GbE RJ-45

**Optional Ethernet**

None

**WLAN + Bluetooth®<sup>[7]</sup>**

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

**Card Reader**

SD Card Reader

**Front Ports**

- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), data transfer only
- 2x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 2x USB-A (USB 10Gbps / USB 3.2 Gen 2)
- 1x headphone / microphone combo jack (3.5mm)
- 1x microphone (3.5mm)

**Rear Ports<sup>[8]</sup>**

- 4x USB-A (USB 5Gbps / USB 3.2 Gen 1), one supports Smart Power On
- 1x HDMI® 2.1 TMDS
- 2x DisplayPort™ 1.4
- 1x Ethernet (RJ-45)
- 1x line-out (3.5mm)

**Optional Rear Ports (configured)**

None

**SECURITY & PRIVACY****Security Chip**

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

**Physical Locks**

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

**Cover Lock**

None

**Cable Lock**

No Cable

**Chassis Intrusion Switch**

None

**MANAGEABILITY****System Management<sup>[9]</sup>**

Intel® vPro® Enterprise with Intel® AMT 16

**SERVICE****Base Warranty**

3-year, Onsite

**Included Upgrade**

3Y Premier Support Upgrade from 3Y Onsite

**CERTIFICATIONS****Green Certifications**

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

**ISV Certifications**

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

**SOFTWARE****Operating System**

Windows® 11 Pro, English

**Bundled Software**

None

**MODEL**

**TopSeller** : Yes

**Announce Date** : 2024-01-16

**EAN / UPC / JAN** : 197530261473

**End of Support** : 2031-05-25

**Note:**

<sup>[1]</sup> 4400 MT/s is maximum operating speed, memory operating.....

• Lenovo reserves the right to change specifications without notice.

To see more note information, please link to  
<https://psref.lenovo.com/Detail/2236?M=30GS0089US>

## Premier Support - A direct 24x7x365 line to our most elite technicians.



Advanced technical support, 24x7x365, in more than 100 markets



Comprehensive hardware & OEM software support



Single point of contact for simplified end-to-end case management



Technical Account Managers for proactive relationship and escalation management



Priority on service delivery and repair parts



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.

## Recommended Services

BEST	4Y Premier Support Plus upgrade from 3Y Premier Support (5WS1L39058)
BETTER	3Y Premier Support Plus upgrade from 3Y Premier Support (5WS1L39322)
GOOD	4Y Premier Support upgrade from 3Y Premier Support (5WS0W86700)

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



**PSREF**  
Product Specifications  
Reference