

PERFORMANCE**Processor**

Intel® Core™ i5-13500, 14C (6P + 8E) / 20T, P-core 2.5 / 4.8GHz, E-core 1.8 / 3.5GHz, 24MB

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^[1]

2x 32GB UDIMM DDR5-4400 Non-ECC

Memory Slots

4 DDR5 DIMM slots, 2 channels capable

Max Memory^[2]

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^{[3][4]}

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)^[5]

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

Weight^[6]

13.61 kg (30.0. lbs, maximum configuration)

CONNECTIVITY**Onboard Ethernet**

Intel® I219-LM, 1x GbE RJ-45

Optional Ethernet

None

WLAN + Bluetooth®^[7]

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^[8]

- 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^[9]**

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 CertificationsPlease 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 : 197530261589

End of Support : 2031-05-25

Note:

[1] 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=30GS008KUS>

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

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.

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

Lenovo may not offer the products, services or features discussed in this document in all regions. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area. Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. Lenovo provides this publication "as is" without warranty of any kind, either express or implied, including the implied warranties of merchantability or fitness for a particular purpose.

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