

## 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 A4500 20GB

### Chipset

Intel W680 Chipset

### Memory

2x 32GB UDIMM DDR5-4400 Non-ECC

### Memory Slots

4 DDR5 DIMM slots, 2 channels capable

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

### Storage Support<sup>[2][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)

### 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

### M.2 Slots

- Up to 3x M.2 SSD:
  - 2 via onboard slot, can't be available when 4th HDD is selected
  - 1 via Single M.2 to PCIe adapter
- One M.2 slot (for WLAN)

### 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

### WLAN + Bluetooth<sup>[7]</sup>

Intel Wi-Fi® 6E AX211, 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)

2x PS/2

## 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

### Cable Lock

No Cable

## 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<sup>[10]</sup>

- 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

## MODEL

<b>TopSeller</b>	: Yes	<b>Announce Date</b>	: 2023-12-12
<b>EAN / UPC / JAN</b>	: 197531618962	<b>End of Support</b>	: 2031-05-25

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to <https://psref.lenovo.com/Detail/2236?M=30GS0077US>

## 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



### Kensington MicroSaver 2.0 Cable Lock from Lenovo

4XEON80914

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...

## 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