

## PERFORMANCE

### Processor

Intel® Xeon® w5-2455X, 12C (12P + 0E) / 24T, 3.2 / 4.6GHz, 30MB

### Processor Sockets

1x FCLGA4677

### Discrete Graphics

1x NVIDIA® RTX A4000 16GB

### Chipset

Intel W790 Chipset

### Memory

4x 16GB RDIMM DDR5-4800 ECC

### Memory Slots

8 DDR5 DIMM slots, 4 channels capable

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

Up to 512GB (8x 64GB RDIMM)

### PCIe® NVMe® Controller

Integrated NVMe Controller, non-RAID

### PCIe NVMe Drive

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

### SATA Controller

Onboard Intel RSTe SATA

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

Up to ten drives (3x 3.5" SATA HDD + 7x M.2 SSD)

- 3.5" HDD up to 12TB each
- M.2 SSD up to 4TB or 2TB each (see Storage Type)

### Audio Chip

High Definition (HD) Audio, Realtek® ALC897-Q codec

### Power Supply

1000W Platinum Fixed

## DESIGN

### Keyboard

USB Traditional Keyboard, Black, English

### Mouse

USB Calliope Mouse, Black

### Expansion Slots

Supports 6 PCIe slots with 2x PCIe 5.0 slots and 4x PCIe 4.0 slots.

- Slot 1: PCIe 5.0 x16, full height, full length, 75W, double-width, by CPU
- Slot 2: PCIe 4.0 x4, full height, full length, 25W, by PCH
- Slot 3: PCIe 5.0 x16, full height, full length, 75W, double-width, by CPU
- Slot 4: PCIe 4.0 x4, full height, full length, 25W, by PCH
- Slot 5: PCIe 4.0 x8, full height, full length, 25W, by CPU
- Slot 6: PCIe 4.0 x4, full height, full length, 25W, by PCH

### M.2 Slots

Up to 7x M.2 SSD:

- 2 via onboard slots, PCIe 4.0 x4
- • 4 via Quad M.2 to PCIe Gen 5 adapter (PCIe 5.0 x4) or Quad M.2 to PCIe Gen 3 (PCIe 3.0 x4) adapter
- 1 via front access M.2 bay, PCIe 4.0 x4

### Bays

Three internal disk bays plus one front access M.2 bay:

- Bay 1 supports one 3.5" HDD, standard
- Bay 2 supports one 3.5" HDD, standard
- Bay 3 supports one 3.5" HDD, optional
- Front access M.2 bay supports one M.2 SSD, optional

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

165 x 453.9 x 446 mm (6.5 x 17.9 x 17.6 inches, with feet)

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

19 kg (41.9 lbs, maximum configuration)

## CONNECTIVITY

### Onboard Ethernet

Intel I219-LM, 1x GbE RJ-45

### WLAN + Bluetooth<sup>[5]</sup>

Intel Wi-Fi® 6E AX211, 11ax 2x2 + BT5.1, vPro®

### Card Reader

15-in-1 Card Reader

### Front Ports

1x headphone / microphone combo jack (3.5mm)

### Optional Front Ports (configured)

- 2x USB-C® 3.2 Gen 2
- 2x USB 3.2 Gen 2

### Rear Ports

- 2x USB-A (Hi-Speed USB / USB 2.0)
- 1x USB-C® (USB 20Gbps / USB 3.2 Gen 2x2), data transfer only
- 3x USB-A (USB 10Gbps / USB 3.2 Gen 2)
- 1x Ethernet (GbE RJ-45)
- 1x line-in (3.5mm)
- 1x line-out (3.5mm)

## SECURITY & PRIVACY

### Security Chip

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

### Physical Locks

- Access panel lock kit with common key
- Kensington® Security Slot™, 3 x 7 mm

### Cover Lock

Lock Kit with Common Key

### Chassis Intrusion Switch

Chassis Intrusion Switch

## MANAGEABILITY

### System Management<sup>[6]</sup>

Intel® vPro® Enterprise with Intel AMT 16

### Diagnostic

Front Diagnostic Panel with QR code

## 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
- RoHS compliant
- TCO Certified 9.0

### ISV Certifications

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

## SOFTWARE

### Operating System

Windows® 11 Pro for Workstations, English

## MODEL

**TopSeller** : Yes **Announce Date** : 2023-12-14

**EAN / UPC / JAN** : 197531631121 **End of Support** : 2031-05-03

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to <https://psref.lenovo.com/Detail/2159?M=30GA0068US>

## 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 (5WS1L39074)
GOOD	4Y Premier Support upgrade from 3Y Premier Support (5WS0W86673)

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



**PSREF**  
Product Specifications  
Reference