

PERFORMANCE

Processor

AMD Ryzen™ Threadripper PRO 7945WX (12C / 24T, 4.7 / 5.3GHz, 12MB L2 / 64MB L3)

AI PC Category^[1]

AI-Ready Workstations

Processor Sockets

1x sTR5

Discrete Graphics

1x NVIDIA® RTX 4000 Ada Generation 20GB

Chipset

AMD WRX90 chipset

Memory

2x 16GB RDIMM DDR5-4800 ECC

Memory Slots

8 DDR5 DIMM slots, 8 channels capable

Max Memory^[2]

Up to 1TB (8x 128GB 3DS-RDIMM)

PCIe® NVMe® Controller

Integrated NVMe® Controller with RAID 0/1/10/5

PCIe® NVMe® Drive

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

SATA Controller

Integrated SATA Controller with RAID 0/1/5

SATA/SAS Drive

None

Audio Chip

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

Power Supply

1400W Platinum Fixed

DESIGN

Keyboard

USB Traditional Keyboard, Black, English

Mouse

USB Calliope Mouse, Black

Expansion Slots

Supports 7 PCIe® slots with 6x PCIe® 5.0 slots and 1x PCIe® 4.0 slot.

- Slot 1: PCIe® 5.0 x16, full height, full length, 75W, double-width
- Slot 2: PCIe® 5.0 x8, full height, full length, 25W
- Slot 3: PCIe® 5.0 x16, full height, full length, 75W, double-width
- Slot 4: PCIe® 5.0 x8, full height, full length, 25W
- Slot 5: PCIe® 5.0 x16, full height, full length, 75W, double-width
- Slot 6: PCIe® 5.0 x16, full height, full length, 75W
- Slot 7: PCIe® 4.0 x8, full height, half length, 25W

Dimensions (WxDxH)^[3]

175 x 508 x 434.4 mm (6.9 x 20 x 17.1 inches, with feet)

Weight^[4]

22.7 kg (50.0 lbs, maximum configuration)

CONNECTIVITY

Onboard Ethernet

Realtek® RTL8111EP + Marvell AQtion AQC-113, 2x RJ-45, GbE + 10GbE

Optional Ethernet

None

WLAN + Bluetooth^[5]

AMD Wi-Fi® 6E RZ616, 802.11ax 2x2 + BT5.3

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^[6]

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

Optional Rear Ports (configured)

None

SECURITY & PRIVACY

Security Chip

Discrete TPM 2.0, TCG 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

AMD PRO Manageability

Diagnostic

Front Diagnostic Panel with QR code

SERVICE

Base Warranty

3-year, Onsite

Included Upgrade

3Y Premier Support Upgrade from 3Y Onsite

CERTIFICATIONS

ISV Certifications

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

SOFTWARE

Operating System

Windows® 11 Pro, English

Bundled Software

None

MODEL

TopSeller	: Yes	Announce Date	: 2025-04-29
EAN / UPC / JAN	: 198158863957	End of Support	: 2032-01-25

Note:

[1] With scalable configurations of higher-performance CPUs and professional NVIDIA RTX GPUs, in addition to advantage of the same modern AI PC technology, AI-Ready workstation power the demanding AI consumption & development workflows.

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

[3] The system dimensions may vary depending on configurations.

[4] The system weight is approximate and based on results in Lenovo lab, which varies depending on the source of component, variance of the distribution of each component, and manufacturing process. It may not be the exact weight for each specific model.

[5] Wi-Fi 6E full features might be limited by country-level.....

· 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.

Recommended Services

BEST	4Y Premier Support Plus upgrade from 3Y Premier Support (5WS1L39074)
BETTER	3Y Premier Support Plus upgrade from 3Y Premier Support (5WS1L39415)
GOOD	4Y Premier Support upgrade from 3Y Premier Support (5WS0W86673)

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

Lenovo

PSREF
Product Specifications
Reference