

PERFORMANCE

Processor

Intel® Core™ i7-14700, 20C (8P + 12E) / 28T, Max Turbo up to 5.4GHz, P-core 2.1 / 5.3GHz, E-core 1.5 / 4.2GHz, 33MB

AI PC Category^[1]

AI-Ready Workstations

Processor Sockets

1x FCLGA1700

Integrated Graphics

Integrated Intel® UHD Graphics 770

Discrete Graphics

1x NVIDIA® RTX A1000 8GB

Chipset

Intel® W680 Chipset

Memory^[2]

1x 32GB SO-DIMM DDR5-4800 Non-ECC

Memory Slots

Four DDR5 SO-DIMM slots, dual-channel capable

Max Memory^[3]

Up to 192GB (4x 48GB DDR5 SO-DIMM)

PCIe® NVMe® Controller

Integrated NVMe® controller

PCIe® NVMe® Drive

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

SATA Controller

Integrated SATA controller

SATA/SAS Drive

None

Audio Chip

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

Power Supply

300W 90% Adapter

DESIGN

Keyboard

USB Calliope Keyboard, Black, Portuguese

Mouse

USB Calliope Mouse, Black

Expansion Slots

- Two PCIe® slots with one PCIe® 4.0 x16 and one PCIe® 3.0 x8.
- Slot 1: PCIe® 4.0 x16 (via MXM to PCIe® riser card), low profile, 75W, double-width
 - Slot 2: PCIe® 3.0 x8 (x4 lanes), low profile, 25W

Dust Filter

None

Dimensions (WxDxH)^[4]

87 x 223 x 202 mm (3.43 x 8.78 x 7.95 inches)

Weight^[5]

3.6 kg (7.94 lbs, maximum configuration)

CONNECTIVITY

Onboard Ethernet

Intel® I225-LM + I210-AT, 2x RJ-45, 2.5GbE + GbE

Optional Ethernet

None

WLAN + Bluetooth^[6]

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

Front Ports

- 2x Thunderbolt™ 4
- 1x USB-A (USB 10Gbps / USB 3.2 Gen 2)
- 1x headphone / microphone combo jack (3.5mm)

Rear Ports^[7]

- 4x USB-A (USB 10Gbps / USB 3.2 Gen 2)
- 3x DisplayPort™ 1.2
- 1x Ethernet (2.5GbE RJ-45)
- 1x Ethernet (GbE RJ-45)

Optional Rear Ports (configured)

4x miniDP 1.4a on NVIDIA® RTX A1000

SECURITY & PRIVACY

Security Chip

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

Physical Locks

Kensington® Security Slot™, 3 x 7 mm

Chassis Intrusion Switch

Chassis Intrusion Switch

MANAGEABILITY

System Management^[8]

Intel® vPro® Enterprise with Intel® AMT 16

SERVICE

Base Warranty

3-year, Onsite

Included Upgrade

1Y Premier Support from 3Y Onsite Windchill bundles (CPN)

CERTIFICATIONS

ISV Certifications

Please visit [ISV certifications for Lenovo® Workstations](https://psref.lenovo.com/Detail/2235?M=30HA00A1PG)

Mil-Spec Test

MIL-STD-810H military test passed

SOFTWARE

Operating System

Windows® 11 Pro, Portuguese / English

Bundled Software

None

MODEL

TopSeller	: Yes	Announce Date	: 2025-01-14
EAN / UPC / JAN	: 0198156808721	End of Support	: 2031-05-24

Product image is a sample, it may not match the real color of this model

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] System comes with DDR5-4800 memory and will run at lower speed due to platform limitations:

4x 32GB configuration runs at 3600 MT/s;
other configurations run at 4000 MT/s.

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

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

[5] 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.

[6] Bluetooth 5.3 is hardware ready but may run at a lower version due to OS limitations.

Wi-Fi 6E is only enabled on Windows 11 and operates as Wi-Fi 6 with Windows 10.

[7] For video ports on discrete graphics, please see graphics section.

[8] Intel vPro offers a superset of DASH's defined capabilities.

• Lenovo reserves the right to change specifications without notice.

To see more note information, please link to
<https://psref.lenovo.com/Detail/2235?M=30HA00A1PG>

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

BETTER	5Y Lenovo Support (Premier Support + KYD + International Upg) (5PS1D67028)
GOOD	4Y Lenovo Support (Premier Support + KYD + International Upg) (5PS1D67027)

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



PSREF
Product Specifications
Reference