

PERFORMANCE

Processor
Intel® Core i7-14700K, 20C (8P + 12E) / 28T, Max Turbo up to 5.6GHz, P-core 3.4 / 5.5GHz, E-core 2.5 / 4.3GHz, 33MB Intel Smart Cache

AI PC Category^[1]
AI-Ready Workstations

Processor Sockets
1x FCLGA1700

Integrated Graphics
Integrated Intel® UHD Graphics 770

Discrete Graphics
1x NVIDIA® RTX 2000 Ada Generation 16GB

Chipset
Intel® W680 Chipset

Memory
2x 16GB 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 1TB SSD M.2 2280 PCIe® 4.0x4 Performance NVMe® Opal

SATA Controller
Onboard Intel® RSTe SATA RAID

SATA/SAS Drive
1x 2TB HDD 7200rpm 3.5" SATA6Gb/s

Optical
None

Audio Chip
High Definition (HD) Audio, Realtek® ALC897Q-CG codec

Power Supply
750W Platinum Fixed

DESIGN

Keyboard
USB Calliope Keyboard, Black, English

Mouse
USB Calliope Mouse, Black

Dimensions (WxDxH)^[3]
180 x 370 x 415 mm (7.09 x 14.57 x 16.34 inches)

Weight^[4]
13.61 kg (30.00 lbs, maximum configuration)

CONNECTIVITY

Onboard Ethernet
Intel® I219-LM, 1x GbE RJ-45

Optional Ethernet
None

WLAN + Bluetooth
Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 + BT5.3, vPro®

Card Reader
None

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^[5]
• 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 (GbE 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^[6]
Intel® vPro® Enterprise with Intel AMT 16

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 **EAN / UPC / JAN:** 198156643681
Announce Date: 2024-12-31 **End of Support** : 2031-01-31



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


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

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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



Technical Account Managers for proactive relationship and escalation management



Priority on service delivery and repair parts



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 Professional Wireless Keyboard and Mouse Combo - US English 4X31R64316



Lenovo Analog In-Ear Headphones Gen II Bulk Package (20pcs) 4XD1T54899



Lenovo 310 FHD Webcam Black GXC1S15024

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



PSREF
Product Specifications
Reference