

PERFORMANCE

Processor

Intel® Core™ i9-12900, 16C (8P + 8E) / 24T, P-core 2.4 / 5.0GHz, E-core 1.8 / 3.8GHz, 30MB

Processor Sockets

1x FCLGA1700

Integrated Graphics

Intel UHD Graphics 770

Discrete Graphics

NVIDIA® RTX A5000 Laptop GPU 16GB

Chipset

Intel W680

Memory

2x 32GB SO-DIMM DDR5-4000 non-ECC

Memory Slots

Four DDR5 SO-DIMM slots, dual-channel capable

Max Memory

Up to 128GB

M.2 SSD RAID Controller

Integrated NVMe® controller

M.2 SSD Drive

1x 1TB SSD M.2 2280 PCIe® Gen 4x4 Performance NVMe Opal

HDD Controller

Integrated SATA controller

SATA/SAS Drive

None

Storage Support

Up to 1x 2.5" HDD + 2x M.2 SSD

- 2.5" HDD up to 1TB
- M.2 SSD up to 4TB each

Audio Chip

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

Power Supply

300W 89% Power Adapter

DESIGN

Keyboard

USB Calliope Keyboard, Black, German

Mouse

USB Calliope Mouse, Black

Expansion Slots

- One PCIe 4.0 x16
- One PCIe 3.0 x8 (x4 lanes)

M.2 Slots

- Two M.2 PCIe Gen 4x4 slots (for SSD)
- One M.2 slot (for WLAN)

Bays

1x 2.5" disk bay (optional, comes with disk)

Dimensions (WxDxH)

86 x 223 x 202 mm (3.4 x 8.7 x 7.9 inches)

Weight

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®

None

Front Ports

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

Rear Ports

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

Optional Rear Ports (configured)

None

SECURITY & PRIVACY

Security Chip

Discrete TPM 2.0, TCG certified

Physical Locks

Kensington® Security Slot, 3 x 7 mm

Chassis Intrusion Switch

Chassis Intrusion Switch

MANAGEABILITY

System Management

Intel vPro Enterprise with Intel AMT 16.0

SERVICE

Base Warranty

3-year, Onsite

Included Upgrade

1Y Premier Support from 3Y Onsite Windchill bundles (CPN) (5WS1B68726)

CERTIFICATIONS

Green Certifications

- EPEAT™ Gold
- ENERGY STAR® 8.0
- TCO Certified 9.0
- RoHS compliant

ISV Certifications

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

Mil-Spec Test

MIL-STD-810H military test in progress

SOFTWARE

Operating System

Windows® 11 DG Windows 10 Pro 64, German

Bundled Software

None

MODEL

TopSeller : Yes **Announce Date** : 2022-06-22

EAN / UPC / JAN : 0196801050846 **End of Support** : 2030-06-18



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

GOOD

3Y Premier Support upgrade from 1Y Premier Support (5WS1B61706)

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

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PSREF
Product Specifications
Reference