

PERFORMANCE

Processor

Intel® Core™ i9-13900, 24C (8P + 16E) / 32T, Max Turbo up to 5.6GHz, P-core 2.0 / 5.2GHz, E-core 1.5 / 4.2GHz, 36MB

Processor Sockets

1x FCLGA1700

Integrated Graphics

Integrated Intel UHD Graphics 770

Discrete Graphics

1x NVIDIA® RTX A4500 20GB

Chipset

Intel W680 Chipset

Memory

2x 16GB UDIMM DDR5-4800 Non-ECC

Memory Slots

4 DDR5 DIMM slots, 2 channels capable

Max Memory^[1]

Up to 128GB (4x 32GB DDR5 UDIMM)

M.2 SSD RAID Controller

Integrated NVMe® Controller

M.2 SSD Drive

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

HDD Controller

Onboard Intel RSTe SATA RAID

Storage Support^[2]

Up to five drives (4x HDD + 1x M.2 SSD) or six drives (3x HDD + 3x M.2 SSD)

- 3.5" HDD up to 6TB each
- 2.5" HDD up to 1TB each
- M.2 SSD up to 4TB or 2TB each (see Storage Type)

Audio Chip

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

Power Supply

750W Platinum Fixed

DESIGN

Keyboard

USB Traditional Keyboard, Black, Czech / Slovak

Mouse

USB Calliope Mouse, Black

Expansion Slots

Supports four PCIe slots with two PCIe 4.0 x16 and two PCIe 3.0 x1.

- Slot 1: PCIe 4.0 x16, full height, full length, 75W, double-width
- Slot 2: PCIe 3.0 x1, full height, half length, 25W
- Slot 3: PCIe 4.0 x16 (x4 lanes), full height, half length, 25W, double-width
- Slot 4: PCIe 3.0 x1, full height, half length, 25W

M.2 Slots

- Up to 3x M.2 SSD:
 - 2 via onboard slot, can't be available when 4th HDD is selected
 - 1 via Single M.2 to PCIe adapter
- One M.2 slot (for WLAN)

Bays

Up to four disk bays:

- Bay 1 supports one 3.5" / 2.5" HDD, standard
- Bay 2 supports one 3.5" / 2.5" HDD, optional
- Bay 3 supports one 3.5" / 2.5" HDD, optional
- Bay 4 supports one 3.5" / 2.5" HDD, optional
- Front Access HDD Bay supports one 3.5" / 2.5" HDD, optional, occupies Bay 3 location

Dimensions (WxDxH)^[3]

180 x 370 x 415 mm (7.09 x 14.57 x 16.34 inches)

Weight^[4]

13.6 kg (29.9 lbs, maximum configuration)

CONNECTIVITY

Onboard Ethernet

Intel I219-LM, 1x GbE RJ-45

Card Reader

SD Card Reader

Front Ports

- 1x USB-C® 3.2 Gen 2 (support data transfer)
- 2x USB 3.2 Gen 1
- 2x USB 3.2 Gen 2
- 1x headphone / microphone combo jack (3.5mm)
- 1x microphone (3.5mm)

Rear Ports^[5]

- 4x USB 3.2 Gen 1 (one supports Smart Power On)
- 1x HDMI® 2.1 TMDS
- 2x DisplayPort™ 1.4
- 1x Ethernet (RJ-45)
- 1x line-out (3.5mm)

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

MANAGEABILITY

System Management^[6]

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

Green Certifications^[7]

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered
- ErP Lot 3
- RoHS compliant
- TCO Certified 9.0

ISV Certifications

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

SOFTWARE

Operating System

Windows® 11 Pro, Czech / Slovak / English

MODEL

TopSeller : Yes **Announce Date** : 2023-04-25

EAN / UPC / JAN : 0196804909899 **End of Support** : 2031-05-25

Note:

^[1] The max memory is based on the test results with current Lenovo memory offerings.

^[2] The storage capacity supported is based on the test results with current Lenovo storage 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.

^[7] EPEAT is registered where applicable, please see.....

• Lenovo reserves the right to change specifications without notice.

To see more note information, please link to

<https://psref.lenovo.com/Detail/2236?M=30GS0012CK>

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

Lenovo may not offer the products, services or features discussed in this document in all regions. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area. Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. Lenovo provides this publication "as is" without warranty of any kind, either express or implied, including the implied warranties of merchantability or fitness for a particular purpose.

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...



Lenovo 100 Stereo USB Headset

4XD0X88524

Lenovo 100 Stereo USB Headset is perfect blend of on-ear business-ready stereo USB Headset with rotatable boom microphone and passive noise cancellation for clear audio for VoIP calls. It works with all leading Unif...

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

Lenovo

PSREF
Product Specifications
Reference