PERFORMANCE

Processor
Intel® Core™ i7-12700, 12C (8P + 4E) / 20T, P-core 2.1 / 4.8GHz, E-core 1.6 / 3.6GHz, 25MB

Processor Sockets
1x FCLGA1700

Integrated Graphics
Intel UHD Graphics 770

Discrete Graphics
NVIDIA® RTX A4500 20GB

Chipset
Intel W680

Memory
2x 8GB UDIMM DDR5-4400 non-ECC

Memory Slots
Four DDR5 UDIMM slots, dual-channel capable

Max Memory
Up to 128GB

M.2 SSD RAID Controller
Onboard Intel RSTe PCIe®

M.2 SSD Drive
512GB SSD M.2 2280 PCIe Gen 4x4 Performance NVMe® Opal

HDD Controller
Onboard Intel RST SATA RAID

Storage Support
Up to 2x 3.5″ SATA HDD or 4x 2.5″ SATA HDD; also supports up to 3x M.2 SSD (2 by onboard, 1 by M.2 to PCIe adapter)
• 3.5″ HDD up to 4TB each
• 2.5″ HDD up to 1TB each
• Onboard M.2 SSD up to 4TB each
• M.2 SSD by M.2 to PCIe adapter up to 2TB

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
• One PCIe 4.0 x16
• One PCIe 4.0 x16 (x4 lanes)
• Two PCIe 3.0 x1 (open ended)

M.2 Slots
• Up to 3x M.2 SSD:
  • 2 via onboard M.2 PCIe Gen 4 slots
  • 1 via Single M.2 to PCIe adapter, PCIe Gen 3
• One M.2 slot for WiFi

Bays
• 1x 3.5″ disk bay (standard)
• 2x 2.5″ disk bay (optional)
• 1x 3.5″ disk bay (optional)

Dimensions (WxDxH)
170 x 315.4 x 376 mm (6.7 x 12.4 x 14.8 inches)

Weight
9.67 kg (21.32 lbs, maximum configuration)

CONNECTIVITY

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

Card Reader
SD Card Reader

Front Ports
• 2x USB 3.2 Gen 1
• 2x USB 3.2 Gen 2
• 1x USB-C® 3.2 Gen 2
• 1x headphone / microphone combo jack (3.5mm)
• 1x microphone (3.5mm)

Rear Ports
• 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

Physical Locks
• Kensington® Security Slot, 3 x 7 mm
• Padlock Loop

MANAGEABILITY

System Management
vPro Enterprise

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
• ErP Lot 3
• 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, Czech / Slovak / English

MODEL

TopSeller	: Yes	**Announce Date**	: 2022-04-28
EAN / UPC / JAN	: 0196800421548	**End of Support**	: 2030-04-24

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

Recommended Accessories

Kensington MicroSaver 2.0 Cable Lock from Lenovo

4XE0N80914

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 Professional Wireless Combo Keyboard & Mouse (US English)

4X30H56796

This sleek and stylish full-size keyboard and mouse combo offers exceptional quality in a modern wireless solution. The slim 3-zone keyboard with number pad has responsive quiet keys and a premium typing experience. O...

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

Lenovo PSREF
Product Specifications Reference