PERFORMANCE

Processor
Intel® Core™ i7-12700K, 12C (8P + 4E) / 20T, Max Turbo up to 5.0GHz, P-core 3.6 / 4.9GHz, E-core 2.7 / 3.8GHz, 25MB

Processor Sockets
1x FCLGA1700

Integrated Graphics
Integrated Intel® UHD Graphics 770

Discrete Graphics
1x NVIDIA® T1000 8GB

Chipset
Intel® W680 Chipset

Memory[1]
2x 16GB UDIMM DDR5-4400 Non-ECC

Memory Slots
Four DDR5 UDIMM slots, dual-channel capable

Max Memory[2]
Up to 128GB (4x 32GB DDR5 UDIMM)

PCIe® NVMe® Controller
Onboard Intel® RSTe PCIe®

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

SATA Controller
Onboard Intel® RST SATA RAID

SATA/SAS Drive
None

Storage Support[3]
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

Optical
None

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

Power Supply
750W Platinum Fixed

DESIGN

Keyboard
USB Traditional Keyboard, Black, Turkish

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
• Slot 4: PCIe® 3.0 x1, full height, half length, 25W

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

Dimensions (WxDxH)[4]
170 x 315.4 x 376 mm (6.7 x 12.4 x 14.8 inches)

Weight[5]
9.67 kg (21.32 lbs, maximum configuration)

CONNECTIVITY

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

Optional Ethernet
None

WLAN + Bluetooth®
None

Card Reader
SD Card Reader

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
• 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 (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
None

CERTIFICATIONS

Green Certifications
• ENERGY STAR® 8.0, EPEAT™ Gold Registered
• 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

Mil-Spec Test
MIL-STD-810H military test passed

SOFTWARE

Operating System
Windows® 11 DG Windows® 10 Pro 64, Turkish / English

Bundled Software
None

MODEL

TopSeller	: Yes	**Announce Date**	: 2022-03-24
EAN / UPC / JAN	: 0196800212399	**End of Support**	: 2030-04-24

Note:
[1] 4400 MT/s is maximum operating speed, memory operating speed varies depending on memory configuration:
1x 8GB / 2x 8GB / 1x 16GB / 2x 16GB / 2x 32GB configurations run at 4400 MT/s;
4x 8GB / 4x 16GB configurations run at 4000 MT/s;
4x 32GB configuration runs at 3600 MT/s.
[2] The max memory is based on the test results with current Lenovo memory offerings.
[3] The storage capacity supported is based on the test......

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to
https://psref.lenovo.com/Detail/1783?M=30FM005QTX

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

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.

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...

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

Lenovo **PSREF**
Product Specifications Reference