

PERFORMANCE

Processor

Intel® Core™ i5-12500, 6C (6P + 0E) / 12T, P-core 3.0 / 4.6GHz, 18MB

Graphics⁽¹²⁾⁽¹³⁾

Integrated Intel UHD Graphics 770

Chipset

Intel Q670 Chipset

Memory

16GB UDIMM DDR5-4400

Memory Slots

Four DDR5 UDIMM slots, dual-channel capable

Max Memory⁽¹⁴⁾

Up to 128GB DDR5

Storage

256GB SSD M.2 2280 PCIe® 4.0x4 Value NVMe® Opal

Storage Support⁽¹⁵⁾⁽¹⁶⁾

Up to five drives, 2x 2.5"/3.5" HDD + 1x 2.5" HDD + 2x M.2 SSD

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

Optical

DVD±RW

Audio Chip

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

Speakers

2Wx1

Power Supply

300W 90%

DESIGN

Keyboard

USB Traditional Keyboard, Black, Swiss

Mouse

USB Calliope Mouse, Black

Expansion Slots

- One PCIe 4.0 x16, full-height, length ≤ 268.5mm, height ≤ 114.55mm
- One PCIe 4.0 x16 (x4 signal), full-height, length ≤ 205mm, height ≤ 114.55mm
- Two PCIe 3.0 x1, full-height, length ≤ 205mm, height ≤ 114.55mm
- Three M.2 slots (one for WLAN, two for SSD)

Case Color

Black

Stand

No stand

Form Factor

Tower (17L)

Dimensions (WxDxH)⁽¹⁷⁾

170 x 298 x 376 mm (6.7 x 11.7 x 14.8 inches)

Weight⁽¹⁸⁾

Around 6.5 kg (14.3 lbs)

CONNECTIVITY

Ethernet

Integrated 100/1000M

WLAN + Bluetooth⁽¹⁹⁾

Intel Wi-Fi® 6E AX211, 11ax 2x2 + BT5.1, vPro®

Front Ports

- 1x USB-C® 3.2 Gen 2 (support data transfer and 15W charging)
- 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⁽²⁰⁾

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

SECURITY & PRIVACY

Security Chip

Discrete TPM 2.0, TCG certified

Fingerprint Reader

No fingerprint reader

Physical Locks

- Kensington® Security Slot™, 3 x 7 mm
- Padlock Loop

MANAGEABILITY

System Management⁽²¹⁾

Intel vPro Enterprise

SERVICE

Base Warranty

3-year, Onsite

Included Upgrade

1Y Premier Support from 3Y Onsite WHB (CPN) (5WS1F31123)

CERTIFICATIONS

Green Certifications

- ErP Lot 3
- TCO Certified 9.0
- RoHS compliant

Mil-Spec Test

MIL-STD-810H military test passed (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Fungus, Solar Radiation, Contamination by Fluids, Salt Fog)

SOFTWARE

Operating System⁽²²⁾

Windows® 11 Pro, WE (EN/FR/DE/NL/IT)

MODEL

TopSeller : Yes

Announce Date : 2022-05-10

EAN / UPC / JAN : 0196800064769

End of Support : 2028-10-29



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To see more note information, please link to https://psref.lenovo.com/Detail/ThinkCentre_M90t_Gen_3?M=11TV001DMZ.

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

BEST	5Y Lenovo Support (Premier Support + KYD + International Upg) (5PS1J31179)
BETTER	4Y Lenovo Support (Premier Support + KYD + International Upg) (5PS1J31175)
GOOD	3Y Premier Support upgrade from 1Y Premier Support (5WS1C83305)

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

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PSREF
Product Specifications
Reference