ThinkCentre M90t Gen 4 12HK000EGE

PERFORMANCE

Processor^[1]

Intel® Core $^{\rm m}$ i7-13700, 16C (8P + 8E) / 24T, Max Turbo up to 5.2GHz, P-core 2.1 / 5.1GHz, E-core 1.5 / 4.1GHz, 30MB

Graphics

Integrated Intel® UHD Graphics 770

Chipset

Intel® Q670 Chipset

Memory

2x 16GB UDIMM DDR5-4400

Memory Slots Four DDR5 UDIMM slots, dual-channel capable

Max Memory^[2]

Up to 128GB DDR5

Storage

1TB SSD M.2 2280 PCIe® 4.0x4 Performance NVMe® Opal 2.0

Storage Support^[3]

- 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 each

Card Reader

3-in-1 Card Reader

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, German

Mouse

USB Calliope Mouse, Black

Optional Bay

Optional 3.5" Bay

Expansion Slots

- One PCle[®] 4.0 x16 (x4 signal), full-height, length ≤ 205mm, height ≤ 114.55mm
- One PCIe[®] 4.0 x16, full-height, length ≤ 268.5mm, height ≤ 114.55mm
- One PCle $^{\circ}$ 3.0 x1, full-height, length \leq 205mm, height \leq 114.55mm
- Three M.2 slots (one for WLAN, two for SSD)

Case Color Black

Stand

No stand

Form Factor

Tower (17L)

Dimensions (WxDxH)^[4]

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

Weight^[5] Around 6.5 kg (14.3 lbs)

CONNECTIVITY

Ethernet

Integrated 100/1000M

WLAN + Bluetooth®^[6]

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)

Optional Front Ports (configured)

1x card reader

Rear Ports

- 4x USB 3.2 Gen 1
- 1x HDMI® 2.1 TMDS
- 2x DisplayPort[™] 1.4a (HBR2, DSC)
- 1x Ethernet (RJ-45)
- 1x line-out (3.5mm)

SECURITY & PRIVACY

Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

Fingerprint Reader

No fingerprint reader

Physical Locks

Kensington[®] Security Slot[™], 3 x 7 mm

Lenovo

PSREF

Reference

Product Specifications

Padlock Loop

Chassis Intrusion Switch

Chassis Intrusion Switch

MANAGEABILITY

System Management^[7] Intel[®] vPro[®] Enterprise

SERVICE

Base Warranty 3-year, Onsite

Included Upgrade

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

CERTIFICATIONS

Green Certifications^[8]

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

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

memory offerings.

Windows® 11 Pro, German

current Lenovo storage offerings.

To see more note information, please link to https://psref.lenovo.com/Detail/2324?M=12HK000EGE

MODEL

TopSeller	: Yes	Announce Date	: 2023-10-10
EAN / UPC / JAN	: 0197531095121	End of Support	: 2029-11-27

Note:

 Intel Max Turbo frequency will vary depending on application workload and the hardware and software configurations, see http://www.intel.com/technology/turboboost/ for more information.

[2] The max memory is based on the test results with current Lenovo

[3] The max capacity of each disk type is based on the test results with

[4] The system dimensions may vary depending on configurations.[5] The system weight is approximate and based on results in.....

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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

Recommended Accessories



Kensington MicroSaver 2.0 Cable Lock from Lenovo

4XE0N809

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...

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BETTER	4Y Lenovo Support (Premier Support + KYD + International Upg) (5PS1J31175)
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