

MINIS FORUM MS-03 Mini PC with Intel Core Ultra 9 386H, 64GB, and 1TB



Model: MS-03-S386H [64+1]

Manufacturer: MINIS FORUM

EAN: 4897118838368

Product Code: 1571529

R55,068

MINIS FORUM MS-03 Mini PC with Intel Core Ultra 9 386H, 64 GB, and 1 TB

The MINIS FORUM MS-03, configured with an Intel Core Ultra 9 386H processor, 64 GB of DDR5 memory, and a 1 TB SSD, is a high-performance Mini PC designed to handle demanding applications, on-premises AI tools, large datasets, and complex network infrastructure. The processor features 16 cores and 16 threads, a clock speed of up to 4.9 GHz, Intel vPro support, integrated Intel Graphics, and an NPU capable of up to 50 TOPS in INT8 calculations. This model comes with 64 GB of RAM and a 1 TB SSD, making it ready to use right out of the box.

Intel Core Ultra 9 386H for Demanding Work and On-Premises AI

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The Intel Core Ultra 9 386H provides the performance headroom needed for code compilation, data analysis, multitasking in an office environment, and running more demanding applications. The integrated Intel Graphics chip achieves up to 40 TOPS in INT8 computations, while the dedicated NPU delivers up to 50 TOPS, allowing some AI-related tasks to be performed directly on the computer. The MS-03 is well-suited for local language models, private knowledge bases, development tools, and edge services, where on-site data processing can reduce reliance on cloud solutions.

64 GB of DDR5 and the option for further memory expansion

The pre-installed 64 GB of DDR5 memory provides ample capacity for working with large projects, virtual machines, multiple applications running simultaneously, or local AI models. The motherboard features two SO-DIMM slots and supports up to 128 GB of RAM in total, so the configuration can be expanded in the future if the user's requirements increase. The platform supports DDR5 memory at speeds of 5600, 6400, and 7200 MT/s, offering a wide range of options for customizing components.

1 TB SSD and three NVMe slots

The built-in 1 TB SSD provides space for the operating system, applications, and current projects, but the storage options don't end there. The MS-03 features three M.2 NVMe slots: two using the PCIe 5.0 x4 interface and one using PCIe 4.0 x1, allowing you to expand storage with additional high-speed drives. The included M.2-U.2 adapter also allows you to use a U.2 NVMe drive with a capacity of up to 15 TB, which is useful for large databases, design libraries, or AI model files.

High-Speed Networking and a Comprehensive Set of Ports

The MS-03 offers 10GbE RJ-45, 2.5GbE RJ-45, and two 10G SFP+ ports, making it suitable for high-speed NAS servers, network storage, large-file transfers, and edge computing. It also features two USB4 Type-C ports, three USB 3.2 Gen 2 Type-A ports, two USB 2.0 Type-A ports, an HDMI 2.1 port, and a 3.5 mm audio jack, making it easy to connect monitors, external storage devices, and other peripherals. Wired connectivity is complemented by Wi-Fi 7 and Bluetooth 6, making the computer easy to integrate into both an office setup and a more complex technical environment.

Cooling Designed for Prolonged Load

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The cooling system utilizes two heat pipes, a turbo fan, and PCM material, which help effectively dissipate heat during prolonged operation under heavy load. In Balanced mode, the processor can operate with a PL1 limit of 70 W, while Quiet mode limits it to 45 W, allowing you to choose between higher performance and quieter operation. With dimensions of approximately 196 × 189 × 48 mm and a weight of 1.4 kg, the MS-03 maintains a compact form factor despite offering capabilities typical of much larger workstations.

Included in the box

- MINIS FORUM MS-03 Mini PC
- AC power adapter
- Power cord
- HDMI cable
- SSD heatsink
- U.2 to M.2 adapter
- Set of U.2 mounting screws
- User manual

Manufacturer	MINIS FORUM
Model	MS-03-S386H
Processor	Intel Core Ultra 9 386H
Intel vPro	Yes
Number of cores / threads	16 / 16
Maximum Turbo frequency	up to 4.9 GHz
Graphics	Intel Graphics
Maximum GPU Clock Speed	2.5 GHz
GPU AI Performance	up to 40 TOPS INT8
NPU	up to 50 TOPS INT8
RAM	64 GB DDR5
Maximum supported RAM	128 GB

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RAM slots	2 × SO-DIMM DDR5
Supported memory speeds	5600 / 6400 / 7200 MT/s
Storage	1 TB NVMe SSD
Storage slots	2 × M.2 PCIe 5.0 x4 + 1 × M.2 PCIe 4.0 x1
U.2 support	Yes, via M.2-U.2 adapter
Maximum U.2 storage capacity	Up to 15 TB
Expansion	Physical PCIe x16 slot for compatible low-profile cards
Wired networking	1 × 10GbE RJ-45, 1 × 2.5GbE RJ-45, 2 × 10G SFP+
Wi-Fi	Wi-Fi 7
Bluetooth	Bluetooth 6
USB	2 × USB4 Type-C, 3 × USB 3.2 Gen 2 Type-A, 2 × USB 2.0 Type-A
Video output	HDMI 2.1
Audio	3.5 mm combo jack
Cooling	2 heat pipes + Turbo Fan + PCM
Maximum fan speed	5,100 rpm
Dimensions	196 × 189 × 48 mm
Weight	1.4 kg
Supported operating system	Windows 11 Pro

Information about data generation: https://dataact.innpro.pl/Minis_Forum/4897118838368, GPSR

Link: https://psr-assets.innpro.pl/it_accessories/sg_it_accessories_others.pdf, PPWR:

https://ppwr.innpro.pl/en/minis_forum, Gross weight: 3060, Net weight: 1450, Box length: 22,50, Box width: 22,50, Box height: 11,50

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