

Mini PC MINIS FORUM N5 Air Ryzen 7 H255 0GB 64GB

Model: N5A-0-64

Manufacturer: MINIS FORUM

EAN: 4897118837224

Product Code: 1065457

R15,162

MINISFORUM N5 Air Ryzen 7 H255 0GB 64GB mini PC

The MINISFORUM N5 Air is an advanced NAS server designed for users who require vast storage space, high performance, and modern expansion capabilities. Equipped with an AMD Ryzen™ 7 255 processor and the proprietary MinisCloud OS, this model serves as an ideal central hub for file storage, backups, multimedia streaming, virtualization, and Docker containers. The design supports up to 174 TB of total storage, offering immense flexibility for building a robust private data cloud.

Powerful computing power

Seamless operation is guaranteed by the AMD Ryzen™ 7 255 processor, featuring 8 cores and 16 threads, with a configurable TDP ranging from 45 W to 55 W. This configuration delivers high performance for running multiple services simultaneously, supporting virtual machines, Docker

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containers, and efficient video transcoding. The integrated AMD Radeon™ 780M graphics chip enables graphical tasks and the connection of high-resolution monitors, allowing the device to function as a versatile workstation for everyday use.

Massive storage capacity

The MINISFORUM N5 Air offers exceptionally flexible storage options. Five SATA 3.0 bays support 3.5" and 2.5" drives with capacities up to 30 TB each, while three M.2 2280/22110 NVMe PCIe 4.0 slots allow for high-speed SSD installation with capacities up to 8 TB each. Together, these allow for a total system capacity of up to 174 TB. Support for RAID 0, RAID 1, RAID 5, and RAID 6 lets you tailor the configuration to your specific needs, whether prioritizing maximum speed or advanced data protection.

High-performance memory and expansion capabilities

The device features two SO-DIMM slots supporting up to 96 GB of DDR5 Non-ECC memory clocked at 5600 MT/s, ensuring rapid data access even under heavy workloads. Additional expansion possibilities are provided by an internal PCIe 4.0 x16 (electrically x4) connector and an OCuLink port, allowing for the connection of specialized expansion cards and external accessories.

Lightning-fast network connectivity

Dual LAN ports with 10GbE and 5GbE bandwidth provide ultra-fast data transfer across your local network, which is essential when handling large files, creating backups, or streaming high-bitrate media. MinisCloud OS offers advanced data management, including support for the ZFS file system, snapshots for data loss protection, and real-time LZ4 compression. The system also supports Docker containers with user isolation and secure remote access, while also allowing for the installation of Windows 11 Pro or Linux.

Extensive port selection and practical design

The chassis includes two USB4 ports with DisplayPort 2.0 support, two USB 3.2 Gen2 ports, a USB 2.0 port, HDMI 2.1, and an OCuLink connector. This allows for the connection of up to three monitors with resolutions up to 8K at 60 Hz. The enclosure, measuring 199 × 202 × 252 mm, features a slide-

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out design that facilitates easy access for drive and memory upgrades. Two 9225 axial fans provide efficient cooling, while front-panel LEDs indicate the system status, network activity, and the health of each hard drive.

Included in the package

- Mini PC
- Power supply
- Power cable
- HDMI cable
- Network cable
- Set of screws for HDD drives
- User manual

Specifications

Brand	MINISFORUM
Model	N5 Air
Processor (CPU)	AMD Ryzen™ 7 255 (8 cores, 16 threads)
CPU clock speed	Base 3.8 GHz; max. Turbo 4.9 GHz
TDP	45W–55W
Graphics card (GPU)	Integrated AMD Radeon™ 780M
RAM slots	2 × SO-DIMM
Maximum RAM	Up to 96GB DDR5 Non-ECC
RAM speed	5600MT/s
HDD/SATA drive bays	5 × 3.5"/2.5" SATA 3.0
Maximum HDD capacity	Up to 30TB
SSD/NVMe drive slots	3 × M.2 2280/22110 NVMe PCIe 4.0
Max. SSD capacity	Up to 8TB
Total storage capacity	Up to 174TB

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Supported RAID modes	RAID 0, RAID 1, RAID 5, RAID 6
LAN port 1	5GbE (RTL8126)
LAN port 2	10GbE (RTL8127 or AQC113)
Video connectors	HDMI 2.1 (8K@60Hz/4K@144Hz), 2 × USB4 with Alt DP 2.0 (8K@60Hz/4K@144Hz)
Front ports	USB4 (with DP 2.0), USB 3.2 Gen2
Rear ports	USB4 (with Alt DP 2.0), HDMI 2.1 FRL × 1, OCuLink, 10GbE LAN, 5GbE LAN, USB 3.2 Gen2, USB 2.0
Expansion slots (internal)	PCIe 4.0 x16 (electrically x4)
Operating system	MinisCloud OS, compatible with Windows 11 (not included)
Design	Sliding
CPU cooling	Dual heat pipes, PCM, 7515 mm Turbo fan, 2700 RPM
HDD cooling	2 × 9025 mm axial fans, 3450 RPM
Noise level	42 dB (measured at 50 cm, Balance mode)
Wireless connectivity	None
Enclosure	Plastic
LEDs	Status × 1, NIC × 2, HDD × 5
Dimensions	19.9 × 20.2 × 25.2 cm
Weight	4 kg

GPSR Link: https://psr-assets.innpro.pl/it_accessories/sg_it_accessories_others.pdf, Gross weight: 5900, Net weight: 3860, Box length: 34,00, Box width: 29,50, Box height: 25,00

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