GMKTEC EVO-X5 Pro 128GB 2TB Mini PC

Model: EVO-X5PRO-128-2

Manufacturer: GMKTEC

EAN: 6972570966069

Product Code: 1743336

R190,310

GMKTEC EVO-X5 Pro Mini PC (192 GB, 2 TB)

The GMKTEC EVO-X5 Pro is a high-performance Mini PC designed for advanced computing, AI tasks, and business applications. Equipped with a 16-core AMD Ryzen AI Max+ PRO 495 processor clocked at up to 5.2 GHz, 192 GB of LPDDR5X RAM running at 8533 MT/s, and a 2 TB SSD, it efficiently handles resource-intensive applications, large datasets, and complex projects. The AMD Radeon 8065S graphics chip with 40 compute units supports rendering and graphics processing, while the 55 TOPS NPU accelerates AI-related tasks. The computer also features USB4 v2 ports at 80 Gb/s, two 10 Gb/s LAN ports, a fingerprint reader, dTPM security, and advanced cooling with three fans.

AMD Ryzen AI Max+ PRO 495 – Power for Professional Applications

Based on the AMD Zen 5 architecture, this processor features 16 cores and 32 threads, making it ideal for computing, virtualization, programming, and running professional software. The integrated Radeon 8065S graphics chip allows you to perform tasks related to design, 3D graphics, and

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multimedia without the need for a separate graphics card. Additional acceleration is provided by the NPU (Neural Processing Unit), which handles AI operations. It delivers 55 TOPS (trillion operations per second), while the total claimed performance of the AI platform reaches 131 TOPS.

192 GB of RAM and a 2 TB SSD—fast handling of large files

The unified LPDDR5X memory is shared between the CPU and GPU, allowing resources to be dynamically allocated depending on the task at hand. This solution facilitates handling complex projects, AI computations, and memory-intensive applications. The 2 TB SSD provides storage space for software, documents, multimedia, and local databases. The computer also features three M.2 2280 slots, allowing for storage expansion up to 24 TB using three 8 TB drives.

USB4 80 Gb/s and Dual 10 Gb/s LAN – Extensive Connectivity Options

The front panel features two USB4 40 Gb/s ports, two USB 3.2 Gen 2 10 Gb/s ports, and a 3.5 mm CTIA audio jack for connecting a headset. The rear panel features two USB4 v2 ports with a bandwidth of up to 80 Gb/s, enabling fast transfer of large files and connection of modern peripherals. There are also two USB 2.0 ports, an HDMI 2.1 output supporting resolutions up to 8K at 60 Hz, and a separate 3.5 mm audio output. Two 10 Gb/s RJ45 Ethernet ports ensure fast communication with network infrastructure, servers, and data storage systems.

Security and Remote Management with AMD DASH

The computer is equipped with a MOC (Match-on-Chip) fingerprint reader, which processes biometric data in a dedicated chip, enabling secure login. dTPM (Discrete Trusted Platform Module) technology provides hardware-based protection for cryptographic keys, and the Kensington slot allows for the use of a physical anti-theft lock. AMD DASH support enables remote administration, while OOB (Out-of-Band) technology allows selected maintenance operations to be performed independently of the operating system, even in the event of a system failure. This is a useful solution for companies managing multiple computer workstations.

VC Cooling and Infrastructure Scalability

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The cooling system utilizes a VC (Vapor Chamber) that dissipates heat from the components, along with three fans featuring intelligent speed control. This design helps maintain stable temperatures during prolonged workloads. Three power modes allow you to adjust performance to current needs, and the external 330 W LITEON power supply delivers power to the computer via the rear DC port. The EVO-X5 Pro can also operate in clusters, enabling the creation of scalable AI computing environments comprising up to 20 units mounted in a rack.

Included

- GMKtec EVO-X5 Pro Mini PC with 192 GB RAM / 2 TB SSD
- Power supply with power cord
- HDMI cable
- User manual
- Warranty card

Manufacturer	GMKTEC
Model	EVO-X5 Pro
Device type	Mini PC
Processor	AMD Ryzen AI Max+ PRO 495
Processor architecture	AMD Zen 5
Number of cores / threads	16 / 32
Maximum processor clock speed	5.2 GHz
Graphics chip	AMD Radeon 8065S
GPU Compute Units	40 CU
AI Unit	AMD Ryzen AI NPU
NPU Performance	55 TOPS
Total Claimed AI Performance	up to 131 TOPS
RAM	192 GB LPDDR5X
RAM speed	8,533 MT/s
Memory type	unified, shared by CPU and GPU

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SSD	2 TB
Drive slots	3 × M.2 2280 Key-M
M.2 Interfaces	2 × PCIe 4.0 x4, 1 × PCIe 4.0 x1
Maximum Storage Capacity	24 TB
USB4 – Front	2 × USB4 40 Gb/s
USB4 – rear	2 × USB4 v2 80 Gb/s
USB-A – front	2 × USB 3.2 Gen 2 10 Gb/s
USB-A – rear	2 × USB 2.0
Video output	1 × HDMI 2.1 (up to 8K at 60 Hz)
Network ports	2 × RJ45 Ethernet 10 Gb/s
Audio – front	1 × 3.5 mm CTIA jack
Audio – rear	1 × 3.5 mm jack output
Security	MOC fingerprint reader, dTPM, Kensington slot
Remote management	AMD DASH, OOB
Cooling	VC vapor chamber, 3 fans, intelligent temperature control
Operating modes	3 power-saving modes
Power Supply	330 W power supply, DC input
Additional Features	F-MODE button, Reset/CMOS Clear button

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