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GMKTEC EVO-X1 PRO Mini PC with AMD Ryzen AI 9 HX 470, 64 GB, and 1 TB

Model: EVO-X1PRO-64-1

Manufacturer: GMKTEC

EAN: 6972570965604

Product Code: 1747691

R37,183

GMKTEC EVO-X1 PRO Mini PC with AMD Ryzen AI 9 HX 470, 64 GB, and 1 TB

The GMKtec EVO-X1 Pro is a compact Mini PC equipped with a 12-core AMD Ryzen AI 9 HX 470 processor, 64 GB of LPDDR5 RAM running at 6400 MT/s, and a fast 1 TB PCIe 4.0 SSD. Thanks to integrated AMD Radeon 890M graphics, an AMD XDNA 2 AI unit with up to 55 TOPS of performance, and Windows 11 Pro, it’s ideal for office work, programming, multimedia editing, AI tools, and entertainment. The computer supports three monitors and offers Wi-Fi 7, Bluetooth 5.4, two 2.5 Gb/s LAN ports, and USB4 with a bandwidth of up to 40 Gb/s. The OCuLink connector also allows you to connect an external graphics card, and the efficient cooling system with two fans helps maintain stable operation even under heavy loads.

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AMD Ryzen AI 9 HX 470 – A Processor for Demanding Users

The AMD Ryzen AI 9 HX 470 utilizes the Zen 5 and Zen 5c architectures and 4-nm manufacturing technology. It offers 12 cores, 24 threads, and a clock speed of up to 5.2 GHz, allowing it to efficiently handle multitasking, run advanced programs, and process large amounts of data. A 24 MB L3 cache improves access to frequently used data. Users can also choose from three processor modes: Quiet (35 W), Balanced (54 W), or Performance (up to 65 W), adjusting power consumption and performance to suit current tasks.

AMD Radeon 890M Graphics and Advanced AI Features

The computer is equipped with an integrated AMD Radeon 890M graphics chip based on the RDNA 3.5 architecture, which offers 16 compute units and a clock speed of up to 3100 MHz. It allows you to edit photos and videos, work with graphics, and run many games. AMD FSR support helps improve gameplay smoothness in compatible titles. Additionally, the AMD XDNA 2 NPU, with a performance of up to 55 TOPS, enables local processing of AI tasks such as data analysis, image generation, and support for smart assistants. The combined AI performance of the CPU, GPU, and NPU reaches up to 86 TOPS, allowing you to use advanced AI tools without having to send all your data to the cloud.

64 GB of RAM and a 1 TB SSD with expandability

64 GB of LPDDR5 memory running at 6400 MT/s provides ample resources for working with multiple applications simultaneously, large files, and demanding projects. The RAM is soldered onto the motherboard, so it cannot be replaced or upgraded. The pre-installed 1 TB M.2 2280 PCIe 4.0 SSD enables fast system and program boot times as well as efficient data transfer. The computer has two M.2 2280 PCIe 4.0 slots, one of which is occupied by the factory-installed drive. The second slot allows for the installation of additional storage, with a maximum supported capacity of up to 16 TB in total (2 × 8 TB).

Three Monitors and a Wide Range of Ports

The GMKtec EVO-X1 Pro supports three monitors simultaneously via HDMI 2.1, DisplayPort 2.1, and USB4. The HDMI and DisplayPort connectors support resolutions up to 8K at 60 Hz, while USB4 allows for video output up to 4K at 60 Hz. This makes it easy to distribute applications across screens and

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set up a multi-monitor workstation. Users also have access to four USB 3.2 Gen 2 (10 Gb/s) ports—two on the front panel and two on the rear panel—for connecting drives, keyboards, mice, and other accessories. The front USB4 port provides data transfer speeds of up to 40 Gb/s and supports USB Power Delivery up to 100 W. The computer can also be powered via a dedicated DC IN connector using the included 120 W power supply. Additionally, the device features a 3.5 mm audio jack and an OCuLink PCIe 4.0 x4 port, which allows you to connect a compatible eGPU dock and an external graphics card. The eGPU dock and graphics card are not included, and devices should only be connected or disconnected via OCuLink while the computer is turned off.

High-speed Wi-Fi 7 and two 2.5 Gb/s LAN ports

Wi-Fi 7 offers a theoretical wireless connection speed of up to 2.9 Gb/s, which—when used with a compatible router—makes it easier to download large files, stream media, and use online services. Bluetooth 5.4 allows you to wirelessly connect headphones, a keyboard, a mouse, and other compatible devices. The Mini PC also features two 2.5 Gb/s Ethernet ports with Intel I226-V controllers, ensuring stable wired connections. This allows it to function as an office computer, a home server, a network management device, or to work with a NAS data storage system.

Compact Design and Dual-Fan Cooling

The GMKtec EVO-X1 Pro case measures just 10.7 × 11.1 × 6.3 cm and weighs approximately 590 g, allowing the computer to fit easily even on a small desk. The metal construction ensures durability, and the included stand allows the device to be positioned vertically. Heat dissipation is handled by a cooling system featuring two fans and a vapor chamber, which helps evenly distribute the heat generated by the components. Cool air is drawn in from the top of the case, and intelligent fan control adjusts the cooling intensity based on the computer’s workload.

A Versatile Computer with Windows 11 Pro

The GMKtec EVO-X1 Pro is ideal for everyday office tasks, remote work, programming, graphics editing, video editing, and running local AI models. Thanks to the ability to connect an external graphics card via OCuLink, it can also serve as a platform for more demanding graphics applications and gaming. The pre-installed Windows 11 Pro offers, among other features, BitLocker encryption, Remote Desktop, and device management functions useful for businesses. Its compact size also

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allows you to use the computer as a home media center or a small server.

Included in the box

- GMKtec EVO-X1 Pro Mini PC
- 120 W power supply
- Cable
- HDMI cable
- Stand for vertical placement
- User manual

Manufacturer	GMKtec
Model	EVO-X1 Pro
Device type	Mini PC
Processor	AMD Ryzen AI 9 HX 470
Processor architecture	Zen 5 + Zen 5c, 4 nm
Number of cores / threads	12 / 24
Processor clock speed	2.0 GHz, up to 5.2 GHz in Boost mode
Cache	12 MB L2, 24 MB L3
Graphics processor	AMD Radeon 890M
GPU architecture	RDNA 3.5
GPU compute units	16 CU
GPU clock speed	up to 3100 MHz
AI Unit	AMD XDNA 2 NPU
NPU Performance	up to 55 TOPS
Total AI Performance	up to 86 TOPS
RAM	64 GB LPDDR5 6400 MT/s
RAM Expandability	No, soldered-on memory
Storage	1 TB M.2 2280 PCIe 4.0 SSD
Storage Slots	2 × M.2 2280 PCIe 4.0 x4 (one occupied)

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Maximum storage capacity	up to 16 TB (2 × 8 TB)
Operating system	Windows 11 Pro
Wi-Fi	Wi-Fi 7 (AMD RZ717 / MediaTek MT7925)
Bluetooth	5.4
LAN	2 × RJ-45 2.5 Gb/s (Intel I226-V)
USB4	1 × USB-C, 40 Gb/s, DisplayPort, PD 3.0 input up to 100 W
USB-A	4 × USB 3.2 Gen 2, 10 Gb/s (2 front, 2 rear)
HDMI	1 × HDMI 2.1, up to 8K/60 Hz
DisplayPort	1 × DisplayPort 2.1, up to 8K/60 Hz
USB4 Video Output	up to 4K/60 Hz
Monitor Support	up to 3 simultaneously
OCuLink	1 × PCIe 4.0 x4, no Hot Plug support
Audio	1 × 3.5 mm CTIA jack
Power	DC IN 19 V / 6.32 A or USB4 PD up to 100 W
Power Supply Capacity	120 W
Cooling	two fans, Vapor Chamber
Operating Modes	Quiet 35 W, Balanced 54 W, High-Performance up to 65 W
Case	Metal, gray
Dimensions	107 × 111 × 63 mm
Weight	Approximately 590 g

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