

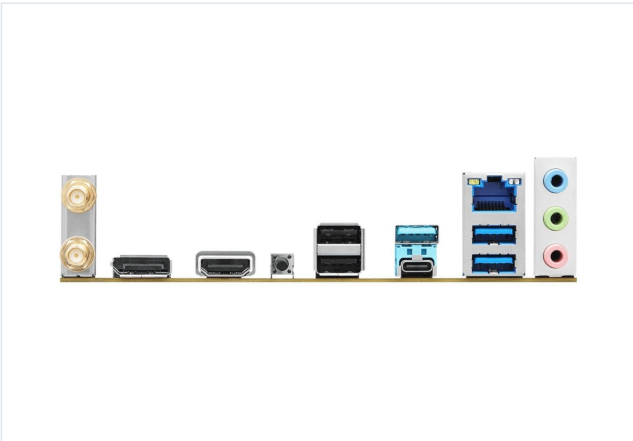
B850M-XWIFI

ASRock B850M-X WiFi AMD Ryzen 7000 / 8000 / 9000 series Socket AM5 mATX motherboard

Product Overview

Asrock B850M-X WiFi AMD Ryzen 7000 / 8000 / 9000 Series Socket AM5 mATX Motherboard, AMD B850 Chipset, 2x DDR5 DIMM Memory slots, 1x Blazing M.2 Gen5 x4, 1x Hyper M.2 Gen4 x4, 4x SATA3 Ports, 1x PCI-e 4.0 x16, 1x PCI-e 4.0 x16 (x4 mode), 1x PCI-e 4.0 x1, 1x HDMI 2.1, 1x DisplayPort 1.4, 2.5G LAN, Wi-Fi 6E, Bluetooth 5.2, Realtek ALC897 7.1 ch, USB 3.2 Gen1 Type-C Ports, USB 3.2 Gen1 Type-A Ports, USB 2.0 Ports, 1x BIOS FlashBack Button, 3x audio jacks





Specifications

Overview summary:

The ASRock B850M-X WiFi motherboard is a compact, high-performance Micro ATX platform built for AMD Ryzen 9000, 8000, and 7000 Series processors. With support for DDR5 memory up to 128GB and PCIe Gen5 and Gen4 M.2 slots, it enables lightning-fast system responsiveness, ideal for gaming, creative workloads, and high-speed productivity. Integrated Wi-Fi 6E, Bluetooth 5.2, and 2.5G LAN ensure modern, seamless connectivity, while features like BIOS Flashback, Nahimic Audio, and RGB lighting provide a premium user experience.

Motherboard tier:Advanced AM5 mATX Platform

Uses:Gaming PCs, performance desktops, compact creative workstations, future-ready AM5 builds

Overview:

The ASRock B850M-X WiFi is a motherboard engineered for builders who refuse to settle. Whether you're assembling a competitive gaming rig, a streamlined creative workstation, or a compact powerhouse for daily use, this Micro ATX board delivers top-tier performance, ultra-fast connectivity, and platform versatility-all in a space-saving design.

At its core lies the AMD B850 chipset, primed for Ryzen 9000, 8000, and 7000 series CPUs. The AM5 socket ensures compatibility with AMD's latest innovations, including PCIe Gen5 support and DDR5 memory, pushing the boundaries of what your next-gen system can achieve. Whether you're overclocking your CPU or chasing frame-perfect gameplay, the 6+1+1 power phase design with Dr.MOS ensures rock-solid voltage delivery and thermal stability under load.

Designed to maximise memory performance, the B850M-X supports up to 128GB of DDR5 memory at a blistering 8200+ MHz (OC). Whether you're chasing faster compile times or lower latency in esports titles, Intel XMP and AMD EXPO profiles make fine-tuning memory effortless.

Speed is nothing without storage, and here the B850M-X shines. One Gen5x4 Blazing M.2 slot (128 Gb/s) and one Gen4x4 Hyper M.2 slot (64 Gb/s) deliver lightning-fast storage options. Coupled with RAID support across both SATA and NVMe devices, your data workflow stays sharp, responsive, and resilient.

Expandability is fluid and forward-looking. A PCIe 4.0 x16 slot handles high-end GPUs with ease, while two additional PCIe 4.0 slots give headroom for capture cards, high-speed NVMe adapters, or networking upgrades. Integrated Wi-Fi 6E and 2.5G LAN ensure latency-free online gaming and ultra-responsive connectivity-whether you're leading a team in a competitive lobby or downloading an entire game library overnight.

ComX Computers

Product Specification Sheet

Onboard graphics support through HDMI 2.1 and DisplayPort 1.4 opens the door for high-refresh 4K displays at up to 120Hz, perfect for creators and multitaskers leveraging integrated RDNA graphics. For audio purists, the Realtek ALC897 codec with Nahimic enhancements transforms your headphones or speakers into immersive surround environments-ideal for deep-focus editing, cinematic bingeing, or competitive FPS action.

The motherboard's Polychrome RGB ecosystem offers personalisation without compromise. Sync addressable lighting across cases, fans, and peripherals, or integrate with SignalRGB to trigger in-game reactive effects and system-wide visual feedback.

Thermal management is intuitive and hands-on. With dedicated headers for CPU fans, AIO pumps, and water cooling systems, plus a full UI-driven fan tuning interface, maintaining optimal thermals is effortless and visually guided.

Feature-rich, compact, and future-ready, the ASRock B850M-X WiFi is proof that performance doesn't need a full tower to make a bold statement.

Features:

- Supports AMD Ryzen 9000, 8000, and 7000 Series processors on AM5 socket
- AMD B850 chipset with PCIe Gen5 & DDR5 support for high-speed performance
- 2x DDR5 DIMMs up to 128GB, 8200+ MHz (OC), Intel XMP & AMD EXPO ready
- 1x Gen5x4 Blazing M.2 & 1x Gen4x4 Hyper M.2 with RAID 0/1/10 support
- 1x PCIe 4.0 x16, 1x PCIe 4.0 x4, and 1x PCIe 4.0 x1 slots
- Realtek RTL8125BG 2.5G LAN with Smart Bandwidth Control
- Wi-Fi 6E and Bluetooth 5.2, ideal for modern wireless peripherals and smart homes
- Integrated HDMI 2.1 and DisplayPort 1.4 for 4K@120Hz dual-display output
- Realtek ALC897 7.1 HD Audio with Nahimic enhancements and voice noise suppression
- Fan-Tastic Tuning UI with PWM/DC detection and smart curve control
- Polychrome RGB + SignalRGB support for sync and game-reactive lighting
- Rear I/O: Type-C, 3x USB-A 3.2, 2x USB 2.0, LAN, BIOS Flashback, HDMI/DP, Audio

WHAT'S IN THE BOX

- ASRock B850M-X WiFi AM5 Micro ATX Motherboard (DDR5, PCIe 5.0, Wi-Fi 6E) x1
- I/O Shield x1
- SATA Data Cables x2
- Wi-Fi Antennas x2

Specifications:

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Specifications	
Product Code	B850M-XWIFI
Form Factor	Micro ATX (24.4 cm x 22.6 cm)
Socket	AMD AM5
Compatible CPUs	Ryzen 9000 / 8000 / 7000 Series
Chipset	AMD B850
Memory	2 x DDR5 DIMMs, up to 128GB

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Product Specification Sheet

Speeds	Up to 8200+ MHz (OC)
	Supports Intel XMP & AMD EXPO
Expansion & Storage	1 x Blazing M.2 (Gen5x4, 128 Gb/s)
	1 x Hyper M.2 (Gen4x4, 64 Gb/s)
	4 x SATA3 (6 Gb/s) with RAID 0/1/10
	1 x PCIe 4.0 x16
	1 x PCIe 4.0 x16 (x4 mode)
	1 x PCIe 4.0 x1
	M.2 Key-E for Wi-Fi module
Graphics Output	Integrated GPU support (varies by CPU)
	1 x HDMI 2.1 (4K@120Hz)
	1 x DisplayPort 1.4 (4K@120Hz)
Networking	2.5G LAN (Realtek Dragon RTL8125BG)
	Wi-Fi 6E (802.11ax), Bluetooth 5.2
Audio Codec	Realtek ALC897 7.1 CH
Features	Nahimic Audio, Sound Tracker, noise suppression
Rear I/O	1 x USB 3.2 Gen1 Type-C
	3 x USB 3.2 Gen1 Type-A
	2 x USB 2.0
Front Panel	1 x USB 3.2 Gen1 Type-C Header
	2 x USB 3.2 Gen1 Type-A
	4 x USB 2.0
Cooling & Fan Headers	2 x CPU Fan
	3 x Chassis/Water Pump Fan
	1 x AIO Pump
	Fan-Tastic Tuning UI, PWM/DC detection
	RGB & Aesthetics
	1 x 12V RGB, 3 x 5V Addressable RGB
	Polychrome Sync + SignalRGB support
Rear I/O Ports	2 x Wi-Fi Antenna Ports
	1 x HDMI, 1 x DisplayPort
	1 x Type-C, 3 x USB-A 3.2, 2 x USB 2.0
	1 x LAN (2.5G), 1 x BIOS Flashback Button
	3 x Audio Jacks

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: <https://www.comx.co.za/B850M-XWIFI-ASRock-B850M-X-WiFi-AMD-Ryzen-7000-8000-Buy-p-326000.php>

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