

Mainboard ASROCK AMD B850 Socket AM5 micro ATX RAM DDR5-SDRAM 2xSlots 1xNuml



# **Mainboard ASROCK AMD B850 Socket AM5 micro ATX RAM DDR5- SDRAM 2xSlots 1xNumber of M.2 (M) slots B850M-X R2.0 B850M-XR2.0**

Model: B850M-X R2.0

Manufacturer: ASROCK

EAN: 4711581490758

Product Code: 1048073

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## **R2,968**

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The ASRock X-Series motherboard provides a high-value solution, balancing performance and versatility within a compact form factor. It's highly capable in handling a wide range of tasks, from professional productivity to everyday usage, striking an excellent balance between affordability,

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reliability, and efficiency.

### **Power Phase Design**

Featuring sturdy components and completely smooth power delivery to the CPU, offering enhanced performance for gamers.

### **Dr. MOS**

Dr.MOS is an integrated power stage optimized for synchronous buck-set down voltage applications, delivering higher current and better thermal efficiency than traditional MOSFETs, ensuring enhanced stability.

### **6 Layer PCB**

The 6 Layer PCB provides stable signal traces and power shapes delivering lower temperature and higher energy efficiency for memory overclocking! Thus, it's able to support the latest memory modules with most extreme memory performance!

### **DDR5 XMP & EXPO Support**

Derived from the “built for stable and reliable” designing concept, ASRock does not compromise on any details. This motherboard is built with high quality materials, enthusiasts are able to enjoy the boost of DDR5 memory overclocking performance by enabling the pre-tested profiles. Make sure the memory modules are Intel® XMP/AMD EXPO™ capable and overclocking can be made so affordable, satisfying and absolutely no sweat at all.

### **Cle Gen5 Blazing M.2**

The Blazing M.2 accommodates the latest PCI Express 5.0 standard to perform twice the bandwidth compared to previous generation, with a breathtaking 128Gb/s transfer speed, it is ready to unleash the full potential of future ultrafast SSDs.

### **Aluminum Heatsink**

The first thing that catches the eye is the optimized Aluminum Heatsink Design. Heatsinks are crucial for efficient heat dissipation, especially during heavy workloads like gaming or productivity tasks. Motherboard that built with heatsinks can effectively manage thermal performance, hence ensure system stability and durability effortlessly.

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## **Dragon 2.5 Gb/s LAN**

The intelligent 2.5Gb/s LAN platform is built for maximum networking performance for the demanding requirements of home networking, content creators, online gamers and high-quality streaming media. Boost networking performance up to 2.5X the bandwidth compared to the standard gigabit Ethernet, you'll enjoy the faster and uncompromised connectivity experience for gaming, file transfers and backups.

## **Front USB 3.2 Gen1 Type-C**

Front USB 3.2 Gen1 Type-C header delivers up to 5 Gbps data transfer rate and next generation reversible USB design to the front panel of computer case.

## **POLYCHROME RGB**

This motherboard features onboard RGB headers and addressable RGB headers that allow motherboard to be connected to compatible LED devices such as strip, CPU fans, coolers, chassis and so on. Users may also synchronize RGB LED devices across the Polychrome RGB Sync-certified accessories to create their own unique lighting effects.

## **SignalRGB**

SignalRGB unifies your RGB devices, offering seamless customization, game-reactive effects, macro automation, and system monitoring. The official partnership empowers ASRock motherboards with advanced lighting control, enhances compatibility with a diverse range of RGB devices, and provides greater customization flexibility.

## **Reinforced Steel Slot**

### **[PCIe 5.0 Version]**

The reinforced steel slot is capable of supporting PCI Express 5.0 standard. The various benefits include:

- ✓ Extra anchor points
- ✓ Stronger latch
- ✓ Ensure signal stability
- ✓ Make sure heavy graphics cards to be well-installed.

## **Dual Graphics Outputs**

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Complete with two types of most used connectors! Packed with a HDMI + DisplayPort combo, you have more graphics output options now.

- Supports AMD Socket AM5 Ryzen™ 9000, 8000 and 7000 Series Processors
- 6+1+1 Phase Power Design, Dr.MOS for VCore
- 2 x DDR5 DIMMs
- Supports Dual Channel, up to 8200+ (OC)
- 1 PCIe 5.0 x16, 1 PCIe 4.0 x16, 1 PCIe 4.0 x1, 1 M.2 Key E for WiFi
- Graphics Output Options: 1 HDMI, 1 DisplayPort
- Realtek ALC897 7.1 CH HD Audio Codec, Nahimic Audio
- 1 Blazing M.2 (PCIe Gen5x4)
- 1 Hyper M.2 (PCIe Gen4x4)
- 4 SATA3
- 2 USB 3.2 Gen1 Type-C (1 Rear, 1 Front)
- 5 USB 3.2 Gen1 (3 Rear, 2 Front)
- 6 USB 2.0 (2 Rear, 4 Front)
- Realtek 2.5G LAN
- Supports BIOS Flashback

Summary: Asrock B850M-X R2.0. Processor manufacturer: AMD, Processor socket: Socket AM5, Compatible processor series: AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series. Supported memory types: DDR5-SDRAM, Maximum internal memory: 128 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, SATA III. Ethernet interface type: 2.5 Gigabit Ethernet, LAN controller: Dragon RTL8125BG. Component for: PC, Motherboard form factor: micro ATX, Motherboard chipset family: AMD | Vendor Homepage:

<https://www.asrock.com/MB/AMD/B850M-X%20R2.0/index.asp#Overview> | Motherboard chipset: AMD B850 | Component for: PC | Motherboard form factor: micro ATX | Audio output channels: 7.1 | Motherboard chipset family: AMD | Windows operating systems supported: Windows 10 x64/Windows 11 x64 | Processor manufacturer: AMD | Processor socket: Socket AM5 | Compatible processor series: AMD Ryzen 7000 Series/AMD Ryzen 8000 Series/AMD Ryzen 9000 Series | Supported memory types: DDR5-SDRAM | Number of memory slots: 2 | Memory slots type: DIMM | Memory channels: Dual-channel | ECC compatibility: ECC & Non-ECC | Maximum internal memory: 128 | Unbuffered memory: Yes | Supported storage drive interfaces: M.2,SATA III | USB 2.0 connectors: 2 | USB 3.2 Gen 1 (3.1 Gen 1) connectors: 1 | Number of SATA III connectors: 4 | Front panel audio connector: Yes | ATX

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Power connector (24-pin): Yes | CPU fan connector: Yes | Number of CPU fan connectors: 2 | EPS power connector (8-pin): Yes | Number of EPS power connectors (8-pin): 1 | TPM connector: Yes | RGB LED pin header: Yes | USB 2.0 ports quantity: 2 | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity: 3 | USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity: 1 | Ethernet LAN (RJ-45) ports: 1 | HDMI ports quantity: 1 | DisplayPorts quantity: 1 | DisplayPort version: 1.4 | Ethernet LAN: Yes | Ethernet interface type: 2.5 Gigabit Ethernet | LAN controller: Dragon RTL8125BG | Wi-Fi: No | PCI Express x1 (Gen 4.x) slots: 1 | PCI Express x16 (Gen 4.x) slots: 1 | PCI Express x16 (Gen 5.x) slots: 1 | Number of M.2 (M) slots: 1 | BIOS type: UEFI AMI | BIOS memory size: 256 | Width: 244 | Depth: 226 | Unit Calculated Weight: 1.29 | Product Net Weight: 1.1 | Unit Calculated Volume: 0.00553 | Units per Shipping Box: 10 | Unit Width: 26.5 | Units per Pallet: 0 | Shipping Box Height: 32 | Unit Depth: 30 | Unit Height: 6 | Name: MB AMD B850 SAM5 MATX/B850M-X R2.0 ASROCK | Model: B850M-X R2.0