# MAG B850M MORTAR

**STABLE FOUNDATION, DURABLY BUILT**

AMD RYZEN

## FEATURES

**EZ PCIe Release**

A simple press of a button to effortlessly lock or unlock the PCIe slot, simplifying the installation and removal of the graphics card.

**EZ M.2 Shield Frozr II**

The new tool-less design makes installing or removing your M.2 SSD and Shield Frozr much easier

**Lightning Gen 5**

The latest PCIe 5.0 solution with up to 128GB/s bandwidth for maximum transfer speed.

**Triple M.2 Connectors**

Triple M.2 Connectors – Onboard 3x M.2 connectors with two PCIe 5.0 solution, strengthened by M.2 Shield Frozr.

**Extended Heatsink Design**

MSI extended PWM heatsink and enhanced circuit design ensures even high-end processors to run in full speed.

**Pre-installed I/O Shielding**

Better EMI protection and more convenience for installation

**Latest DDR5 Memory**

A huge step of DDR performance enhancement with the latest DDR5 memory and MSI Memory Boost technology.

**5G Network Solution**

Featuring premium 5G LAN to deliver better network experience.

**Core Boost**

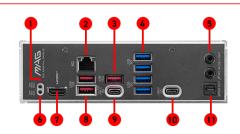With premium layout and fully digital power design to support more cores and provide better performance.

**Audio Boost 5**

Isolated audio with a high quality audio processor for the most immersive gaming experience

## SPECIFICATIONS

| | |
|---|---|
| **Model Name** | MAG B850M MORTAR |
| **CPU Support** | Supports AMD Ryzen™ 9000 / 8000 / 7000 Series Desktop Processors |
| **Chipset Socket** | AMD Socket AM5 |
| **Chipset** | AMD B850 Chipset |
| **Expansion Slots** | 1x PCIe 5.0 x16 slot, 1x PCIe 4.0 x4 slot |
| **Display Interface** | Support 8K@60Hz as specified in HDMI™ 2.1 FRL – Requires Processor Graphics |
| **Memory Support** | 4 DIMMs, Dual Channel DDR5 |
| **Storage** | 2x M.2 Gen5 x4 128Gbps slots<br>1x M.2 Gen4 x2 32Gbps slot<br>4x SATA 6Gbps ports |
| **USB ports** | 1x USB 20Gbps (1 Type-C)<br>5x USB 10Gbps (2 Type-C + 3 Type-A)<br>6x USB 5Gbps (6 Type-A)<br>4x USB 2.0 |
| **LAN** | Realtek®5G LAN |
| **Audio** | 8-Channel (7.1) HD Audio with Audio Boost 5 |

## CONNECTIONS



1. Clear CMOS Button
2. 5G LAN
3. USB 10Gbps (Type-A)
4. USB 5Gbps (Type-A)
5. Audio Connectors
6. Flash BIOS Button
7. HDMI™
8. USB 10Gbps (Type-A)
9. USB 10Gbps (Type-C)
10. USB 20Gbps (Type-C)
11. Optical S/PDIF OUT