



## SPECIFICATIONS

|                             |                                                                                                          |
|-----------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Model Name</b>           | MAG B850M MORTAR WIFI                                                                                    |
| <b>CPU Support</b>          | Supports AMD Ryzen™ 9000 / 8000 / 7000 Series Desktop Processors                                         |
| <b>Chipset Socket</b>       | AMD Socket AM5                                                                                           |
| <b>Chipset</b>              | AMD B850 Chipset                                                                                         |
| <b>Expansion Slots</b>      | 1x PCIe 5.0 x16 slot, 1x PCIe 4.0 x4 slot                                                                |
| <b>Display Interface</b>    | Support 8K@60Hz as specified in HDMI™ 2.1 FRL - Requires Processor Graphics                              |
| <b>Memory Support</b>       | 4 DIMMs, Dual Channel DDR5                                                                               |
| <b>Storage</b>              | 2x M.2 Gen5 x4 128Gbps slots<br>1x M.2 Gen4 x2 32Gbps slot<br>4x SATA 6Gbps ports                        |
| <b>USB ports</b>            | 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 |
| <b>LAN</b>                  | Realtek® 5G LAN                                                                                          |
| <b>Wireless / Bluetooth</b> | Wi-Fi 7 Solution, Bluetooth 5.4                                                                          |
| <b>Audio</b>                | 8-Channel (7.1) HD Audio with Audio Boost 5                                                              |

## 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.



### Wi-Fi 7

The latest wireless solution with a new 160MHz channel, achieving a maximum transmission speed of 2.9Gbps, which is 2.4 times faster than Wi-Fi 6/6E.



### 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.



### 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.



### Wi-Fi 7

The latest wireless solution with a new 320MHz channel, achieving a maximum transmission speed of 5.8Gbps, which is 2.4 times faster than Wi-Fi 6/6E.



### Core Boost

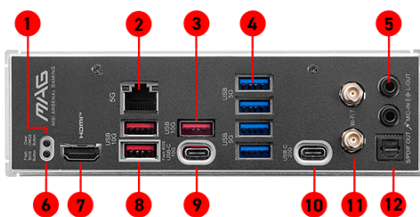
With premium layout and fully digital power design to support more cores and provide better performance.



### Audio Boost 5

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

## 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. Wi-Fi / Bluetooth  | 12. Optical S/PDIF OUT  |