



SPECIFICATIONS

Model Name	MAG B850M MORTAR WIFI
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 1x M.2 Gen4 x2 32Gbps slot 4x SATA 6Gbps ports
USB ports	1x USB 20Gbps (1 Type-C) 5x USB 10Gbps (2 Type-C + 3 Type-A) 6x USB 5Gbps (6 Type-A) 4x USB 2.0
LAN	Realtek® 5G LAN
Wireless / Bluetooth	Wi-Fi 7 Solution, Bluetooth 5.4
Audio	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

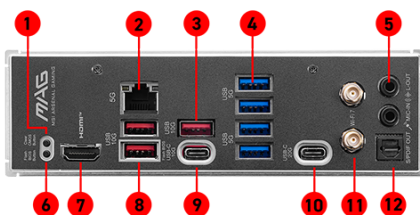
With premium layout and fully digital power design to support more cores and provide better performance.



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 |