

MOTHERBOARDS

MAG B850M MORTAR WIFI

STABLE FOUNDATION, DURABLY BUILT







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 /	Wi-Fi 7 Solution, Bluetooth 5.4
Bluetooth	
Audio	8-Channel (7.1) HD Audio with Audio Boost 5

FEATURES



EZ PCIe Release



slot, simplifying the installation and removal of the graphics card. EZ M.2 Shield Frozr II



SSD and Shield Frozr much easier Lightning Gen 5

GENS



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.

The new tool-less design makes installing or removing your M.2

Extended Heatsink Design

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

A huge step of DDR performance enhancement with the latest

Latest DDR5 Memory



DDR5 memory and MSI Memory Boost technology. **5G Network Solution**



CORE

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 BOOST more cores and provide better performance.

Audio Boost 5

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

CONNECTIONS



- 1. Clear CMOS Button
- 3. USB 10Gbps (Type-A)
- 5. Audio Connectors
- 7. HDMI™
- 9. USB 10Gbps (Type-C)
- 11. Wi-Fi / Bluetooth
- 2. 5G LAN
- 4. USB 5Gbps (Type-A)
- 6. Flash BIOS Button
- 8. USB 10Gbps (Type-A)
- 10. USB 20Gbps (Type-C) 12. Optical S/PDIF OUT