M O T H E R B O A R D

MAG B850M MORTAR

S T A B L E   F O U N D A T I O N ,   D U R A B L Y   B U I L T

AMD RYZEN

FEATURES

5G Network Solution

Featuring premium 5G LAN to deliver better network experience.

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

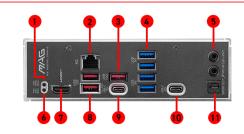Featuring premium 5G LAN to deliver better network experience.

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 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
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