MOTHERBOARDS

MAG B850M MORTAR MAX (Rev 2)

STABLE FOUNDATION, DURABLY BUILT



SPECIFICATIONS

Model Name	MAG B850M MORTAR MAX (Rev 2)
CPU Support	Supports AMD Ryzen™ 9000 / 8000 / 7000 Series Desktop Processors
Chipset Socket	AMD Socket AM5
Chipset	AMD B850 Chipset
Expansion slot	1x PCIe 5.0 x16 slot
Display Interface	Support 8K@60Hz as specified in HDMI™ 2.1 FRL – Requires Processor Graphics
Memory Support	4 DIMMs, Dual Channel DDR5 – 8400+ MT/s (OC)
Storage	2 x M.2 Gen5 x4 128Gbps slots 2 x M.2 Gen4 x4 64Gbps slots 2 x SATA 6Gbps ports
USB Ports	1 x USB 20Gbps (1 Type-C) 7 x USB 10Gbps (3 Type-C + 4 Type-A) 6 x USB 5Gbps (6 Type-A) 4 x USB 2.0
LAN	5G LAN
Audio	8-Channel (7.1) HD Audio with Audio Boost 5

FEATURES

MSI CENTER SUPPORT

Easily customize layouts to monitor hardware status in real time or fine-tune the lighting effects through the intuitive MSI Center platform.

64MB BIOS

A larger BIOS ROM capacity allows the motherboard to support next-level CPU upgrades with better compatibility.

OC Engine

With the clock generator, the OC Engine technology releases the maximum power of CPU.

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.

Quadruple M.2 Connectors

Onboard 4x M.2 connectors with two Lightning Gen 5 solution for the maximum storage performance.

Extended Heatsink Design

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

Frozr AI Cooling

Detect CPU & GPU temperatures and automatically adjust system fan duty to a proper value.

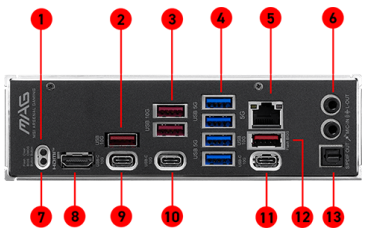
5G Network Solution

Featuring premium 5G LAN to deliver better network experience.

Audio Boost 5

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

CONNECTIONS



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

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