



## SPECIFICATIONS

|                          |   |
|--------------------------|---|
| <b>Model Name</b>        | MAG X870E GAMING MAX 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 X870E Chipset   |
| <b>Expansion slot</b>    | 1x PCIe 5.0 x16 slot, 1x PCIe 4.0 x4 slot, 1x PCIe 3.0 x1 slot  |
| <b>Display Interface</b> | Support 4K@60Hz as specified in HDMI™ 2.1 TMDS, 1x USB4 port support USB Type-C display outputs - Requires Processor Graphics         |
| <b>Memory Support</b>    | 4 DIMMs, Dual Channel DDR5-8200+ MT/s (OC)  |
| <b>Storage</b>           | 1x M.2 Gen5 x4 128Gbps slot<br>2x M.2 Gen4 x4 64Gbps slots<br>4x SATA 6Gbps ports   |
| <b>USB Ports</b>         | 1x USB 40Gbps (1 Type-C)<br>1x USB 20Gbps (1 Type-C)<br>3x USB 10Gbps (2 Type-A + 1 Type-C)<br>6x USB 5Gbps (6 Type-A)<br>10x USB 2.0 |
| <b>LAN</b>               | Realtek® 5G LAN   |
| <b>Wireless / BT</b>     | Wi-Fi 7 Solution, Bluetooth 5.4   |
| <b>Audio</b>             | 8-Channel (7.1) HD Audio with Audio Boost   |

## FEATURES



### 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.



### Triple M.2 Connectors

Onboard 3x M.2 connectors with one 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

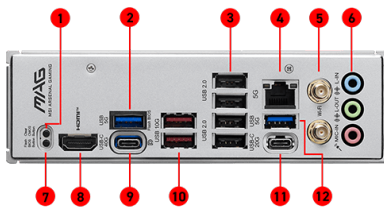
The latest wireless solution with a new 160MHz channel, achieving a maximum transmission speed of 2.9Gbps.



### Audio Boost

Reward your ears with studio grade sound quality for the most immersive audio experience.

## CONNECTIONS



- |                         |                         |
|-------------------------|-------------------------|
| 1. Clear CMOS Button    | 2. USB 5Gbps (Type-A)   |
| 3. USB 2.0              | 4. 5G LAN               |
| 5. Wi-Fi / Bluetooth    | 6. Audio Connectors     |
| 7. Flash BIOS Button    | 8. HDMI™                |
| 9. USB 40Gbps (Type-C)  | 10. USB 10Gbps (Type-A) |
| 11. USB 20Gbps (Type-C) | 12. USB 5Gbps (Type-A)  |