



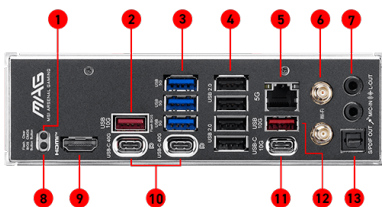
## SPECIFICATIONS

|                             |                                                                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Model Name</b>           | MAG X870E TOMAHAWK MAX WIFI                                                                                                               |
| <b>CPU Support</b>          | Supports AMD Ryzen™ 9000 / 8000 / 7000 Series Desktop Processors                                                                          |
| <b>CPU 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 8K@60Hz as specified in HDMI™ 2.1 FRL - Requires Processor Graphics                                                               |
| <b>Memory Support</b>       | 4 DIMMs, Dual Channel DDR5-8400+ MT/s (OC)                                                                                                |
| <b>Storage</b>              | 2 x M.2 Gen5 x4 128Gbps slots<br>2 x M.2 Gen4 x4 64Gbps slots<br>4 x SATA 6Gbps ports                                                     |
| <b>USB ports</b>            | 2 x USB 40Gbps (2 Type-C)<br>1 x USB 20Gbps (1 Type-C)<br>3 x USB 10Gbps (2 Type-A + 1 Type-C)<br>7 x USB 5Gbps (7 Type-A)<br>8 x USB 2.0 |
| <b>LAN</b>                  | Realtek® 5G LAN                                                                                                                           |
| <b>Wireless / Bluetooth</b> | Wi-Fi 7 Solution, Bluetooth 5.4                                                                                                           |
| <b>Audio</b>                | 8-Channel (7.1) HD Audio with Audio Boost 5                                                                                               |

## 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.
- 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.
- 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.
- Audio Boost 5**  
Isolated audio with a high quality audio processor for the most immersive gaming experience.

## CONNECTIONS



- Clear CMOS Button
- USB 10Gbps (Type-A)
- USB 5Gbps (Type-A)
- USB 2.0
- 5G LAN
- Wi-Fi / Bluetooth
- Audio Connectors
- Flash BIOS Button
- HDMI™
- USB 40Gbps (Type-C)
- USB 10Gbps (Type-C)
- USB 10Gbps (Type-A)
- Optical S/PDIF-OUT