



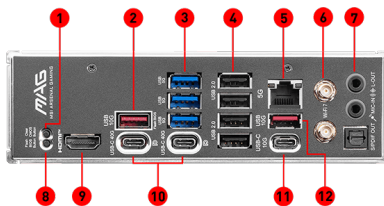
## SPECIFICATIONS

|                      |                                                                                                                                      |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Model Name           | MAG X870E TOMAHAWK WIFI                                                                                                              |
| CPU Support          | Supports AMD Ryzen™ 9000 / 8000 / 7000 Series Desktop Processors                                                                     |
| CPU Socket           | AMD Socket AM5                                                                                                                       |
| Chipset              | AMD X870E Chipset                                                                                                                    |
| Expansion Slot       | 1x PCIe 5.0 x16 slot, 1x PCIe 4.0 x16 slot,<br>1x PCIe 3.0 x1 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              | 2x M.2 Gen5 x4 128Gbps slots<br>2x M.2 Gen4 x4 64Gbps slots<br>4x SATA 6Gbps ports                                                   |
| USB ports            | 2x USB 40Gbps (2 Type-C)<br>1x USB 20Gbps (1 Type-C)<br>3x USB 10Gbps (2 Type-A + 1 Type-C)<br>7x USB 5Gbps (7 Type-A)<br>8x USB 2.0 |
| LAN                  | Realtek® 5G LAN                                                                                                                      |
| Wireless / Bluetooth | Wi-Fi 7 Solution, Bluetooth 5.4                                                                                                      |
| Audio                | 8-Channel (7.1) HD Audio with Audio Boost 5                                                                                          |

## FEATURES

- Lightning USB 40G**  
Featuring a built-in USB 4 port, it offers a lightning-fast 40Gbps transmission speed.
- 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.
- Extended Heatsink Design**  
MSI extended PWM heatsink and enhanced circuit design ensures even high-end processors to run in full speed.
- Lightning Gen 5**  
The latest PCIe 5.0 solution with up to 128GB/s bandwidth for maximum transfer speed.
- 5G Network Solution**  
Featuring premium 5G LAN to deliver better network experience.
- Quadruple M.2 Connectors**  
Onboard quadruple M.2 connectors for the maximum storage performance.
- 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.
- Latest DDR5 Memory**  
A huge step of DDR performance enhancement with the latest DDR5 memory and MSI Memory Boost technology.
- 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 5Gbps (Type-A)
4. USB 2.0
5. 5G LAN
6. Wi-Fi / Bluetooth
7. Audio Connectors
8. Flash BIOS Button
9. HDMI™
10. USB 40Gbps (Type-C)
11. USB 10Gbps (Type-C)
12. USB 10Gbps (Type-A)