



## SPECIFICATIONS

|                             |   |
|-----------------------------|---|
| <b>Model Name</b>           | MAG X670E TOMAHAWK WIFI   |
| <b>CPU Support</b>          | Supports AMD Ryzen™ 7000 Series Desktop Processors  |
| <b>CPU Socket</b>           | AMD Socket AM5  |
| <b>Chipset</b>              | AMD X670 Chipset  |
| <b>Graphics Interface</b>   | 1x PCIe 5.0 x16 slot, 2x PCIe 4.0 x16 slots, 1x PCIe 3.0 x1 slot  |
| <b>Display Interface</b>    | Support 4K@120Hz as specified in HDMI™ 2.1 FRL, Display Port 1.4, 1x Type-C Display Port - Requires Processor Graphics                            |
| <b>Memory Support</b>       | 4 DIMMs, Dual Channel DDR5-6600+MHz (OC)  |
| <b>Storage</b>              | 1x M.2 Gen5 x4 128Gbps slot<br>3x M.2 Gen4 x4 64Gbps slots<br>4x SATA 6Gb/s ports   |
| <b>USB ports</b>            | 1x USB 3.2 Gen 2x2 20Gbps (1 Type-C)<br>4x USB 3.2 Gen 2 10Gbps (2 Type-C + 2 Type-A)<br>8x USB 3.2 Gen 1 5Gbps (8 Type-A)<br>4x USB 2.0 (Type-A) |
| <b>LAN</b>                  | Realtek® RTL8125BG 2.5Gbps LAN  |
| <b>Wireless / Bluetooth</b> | AMD Wi-Fi 6E, Bluetooth 5.3   |
| <b>Audio</b>                | 8-Channel (7.1) HD Audio with Audio Boost   |

## FEATURES



### 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.



### Lightning Gen 5

The latest PCIe 5.0 solution with up to 128GB/s bandwidth for maximum transfer speed.



### M.2 Shield FROZR

Strengthened built-in M.2 thermal solution. Keeps M.2 SSDs safe while preventing throttling, making them run faster.



### Lightning USB 20G

Built-in USB 3.2 Gen 2x2 port, offers 20Gbps transmission speed, 4X faster than USB 3.2 Gen 1.



### Core Boost

With premium layout and fully digital power design to support more cores and provide better performance.



### Memory Boost

Advanced technology to deliver pure data signals for the best performance, stability and compatibility.



### Audio Boost

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



### Wi-Fi 6E

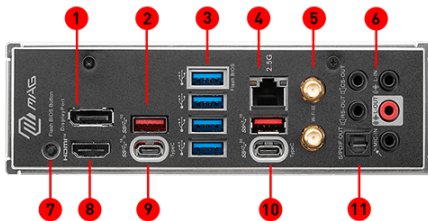
The latest wireless solution supports 6GHz spectrum, MU-MIMO and BSS color technology, delivering speeds up to 2400Mbps.



### 2.5G Network Solution

Featuring premium 2.5G LAN to deliver better network experience.

## CONNECTIONS



1. Display Port
2. USB 3.2 Gen 2 10Gbps (Type-A)
3. USB 3.2 Gen 2 5Gbps (Type-A)
4. 2.5G LAN
5. Wi-Fi / Bluetooth
6. HD Audio Connectors
7. Flash BIOS Button
8. HDMI™
9. USB 3.2 Gen 2 10Gbps (Type-C)
10. USB 3.2 Gen 2 20Gbps (Type-C)
11. Optical S/PDIF-Out