



## 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 Gen4 Solution

Gen4 PCI-E and M.2 solution with up to 64GB/s bandwidth for maximum transfer speed.



### M.2 Shield FROZR

M.2 thermal accessory keeps M.2 SSDs safe while preventing throttling, making them run faster.



### 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.



### Lightning USB 20G

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



### Audio Boost 5

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



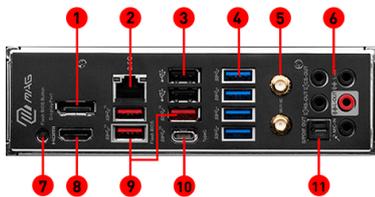
### Memory Boost

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

## SPECIFICATIONS

<b>Model Name</b>	MAG B650 TOMAHAWK WIFI
<b>CPU Support</b>	Supports AMD Ryzen™ 7000 Series Desktop Processors
<b>CPU Socket</b>	Socket AM5
<b>Chipset</b>	AMD B650 Chipset
<b>Graphics Interface</b>	2x PCIe 4.0 x16 slots, 1x PCIe 3.0 x1 slot
<b>Display Interface</b>	Support 4K@60Hz as specified in HDMI™ 2.1, DisplayPort 1.4 – Requires Processor Graphics
<b>Memory Support</b>	4 DIMMs, Dual Channel DDR5 6400+MHz (OC)
<b>Storage</b>	3x M.2 Gen4 x4 64Gbps slots 6x SATA 6Gbps ports
<b>USB ports</b>	1x USB 3.2 Gen 2x2 20Gbps (Type-C) 4x USB 3.2 Gen 2 10Gbps (3 Type-A + 1 Type-C) 6x USB 3.2 Gen 1 5Gbps (6 Type-A) 6x USB 2.0
<b>LAN</b>	1x Realtek® RTL8125BG 2.5Gbps LAN
<b>Wireless / Bluetooth</b>	AMD Wi-Fi 6E, Bluetooth 5.2
<b>Audio</b>	8-Channel (7.1) HD Audio with Audio Boost 5

## CONNECTIONS



- |                                |                                   |
|--------------------------------|-----------------------------------|
| 1. DisplayPort 1.4             | 2. 2.5G LAN Port                  |
| 3. USB 2.0 Port                | 4. USB 3.2 Gen 1 5Gbps Type-A     |
| 5. Wi-Fi / Bluetooth Antenna   | 6. HD Audio Connectors            |
| 7. Flash BIOS Button           | 8. HDMI™ 2.1 Port                 |
| 9. USB 3.2 Gen 2 10Gbps Type-A | 10. USB 3.2 Gen 2x2 20Gbps Type-C |
| 11. Optical S/PDIF OUT         |                                   |