













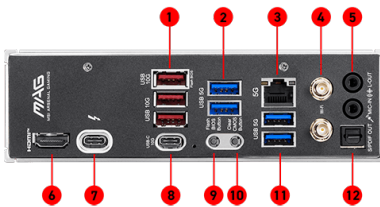
## SPECIFICATIONS

<b>Model Name</b>	MAG Z890 TOMAHAWK WIFI II
<b>CPU Support</b>	Supports Intel® Core™ Ultra Processors (Series 2)
<b>Chipset Socket</b>	LGA 1851
<b>Chipset</b>	Intel® Z890 Chipset
<b>Expansion slot</b>	1x PCIe 5.0 x16 slot, 2x PCIe 4.0 x4 slots
<b>Display Interface</b>	1x Thunderbolt™ 4 (Type-C), Support 8K@60Hz as specified in HDMI™ 2.1 FRL - Requires Processor Graphics
<b>Memory Support</b>	4 DIMMs, Dual Channel DDR5
<b>Storage</b>	1x M.2 Gen5 x4 128Gbps slot, 3x M.2 Gen4 x4 64Gbps slots, 4x SATA 6Gbps ports
<b>Thunderbolt™ 4</b>	1x USB Type-C up to 40Gbps, Charging support up to 5V/3A, 15W
<b>USB Ports</b>	1x USB 20Gbps (1 Type-C) 4x USB 10Gbps (3 Type-A + Type-C) 6x USB 5Gbps (6 Type-A) 4x USB 2.0
<b>LAN</b>	Intel® Killer™ E5000B 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 4

## FEATURES

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**Thunderbolt™ 4 port**  
 Thunderbolt™ 4 brings Thunderbolt to USB-C at true 40 Gb/s speeds, 8K display support, Daisy-Chain, Multi-Port Accessory Architecture and USB 4.0 compliant.
- 
**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 one Lightning Gen 5 solution for the maximum storage performance.
- 
**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.
- 
**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.
- 
**Core Boost**  
 With premium layout and fully digital power design to support more cores and provide better performance.
- 
**Audio Boost 4**  
 Isolated audio with a high quality audio processor for the most immersive audio experience.

## CONNECTIONS



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