MOTHERBOARDS

# MAG Z890 TOMAHAWK WIFI II

STABLE FOUNDATION, DURABLY BUILT

## SPECIFICATIONS

| | |
|---|---|
| **Model Name** | MAG Z890 TOMAHAWK WIFI II |
| **CPU Support** | Supports Intel® Core™ Ultra Processors (Series 2) |
| **Chipset Socket** | LGA 1851 |
| **Chipset** | Intel® Z890 Chipset |
| **Expansion slot** | 1x PCIe 5.0 x16 slot, 2x PCIe 4.0 x4 slots |
| **Display Interface** | 1x Thunderbolt™ 4 (Type-C),<br>Support 8K@60Hz as specified in HDMI™ 2.1 FRL – Requires Processor Graphics |
| **Memory Support** | 4 DIMMs, Dual Channel DDR5 |
| **Storage** | 1x M.2 Gen5 x4 128Gbps slot,<br>3x M.2 Gen4 x4 64Gbps slots,<br>4x SATA 6Gbps ports |
| **Thunderbolt™ 4** | 1x USB Type-C up to 40Gbps,<br>Charging support up to 5V/3A, 15W |
| **USB Ports** | 1x USB 20Gbps (1 Type-C)<br>4x USB 10Gbps (3 Type-A + Type-C)<br>6x USB 5Gbps (6 Type-A)<br>4x USB 2.0 |
| **LAN** | Intel® Killer™ E5000B 5G LAN |
| **Wireless / BT** | Wi-Fi 7 Solution, Bluetooth 5.4 |
| **Audio** | 8-Channel (7.1) HD Audio with Audio Boost 4 |

## FEATURES

**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.

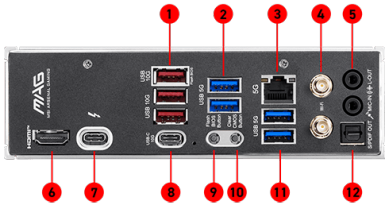
**Core Boost**

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

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