



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), 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, 3x M.2 Gen4 x4 64Gbps slots, 4x SATA 6Gbps ports
Thunderbolt™ 4	1x USB Type-C up to 40Gbps, Charging support up to 5V/3A, 15W
USB Ports	1x USB 20Gbps (1 Type-C) 4x USB 10Gbps (3 Type-A + Type-C) 6x USB 5Gbps (6 Type-A) 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

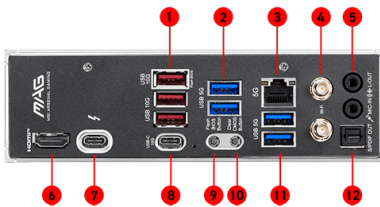
With premium layout and fully digital power design to support more cores and provide better performance.



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 |