MOTHERBOARDS

MAG Z790 TOMAHAWK WIFI

UNITE AS ONE

FEATURES

Lightning Gen 5

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

Quadruple M.2 Connectors

Onboard quadruple M.2 connectors for the maximum storage performance.

Latest DDR5 Memory

A huge step of DDR performance enhancement with the latest DDR5 memory and MSI Memory Boost technology.

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.

M.2 Shield FROZR

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

Memory Boost

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

Core Boost

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

Audio Boost 5

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

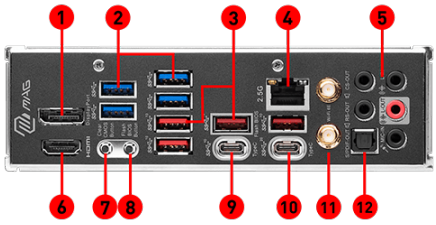
6 Layer PCB with 2oz Thickened Copper

An Enhanced PCB design provides higher performance and long-lasting system stability without any compromise.

SPECIFICATIONS

Model Name	MAG Z790 TOMAHAWK WIFI
CPU Support	Supports 12th/ 13th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors
CPU Socket	LGA 1700
Chipset	Intel® Z790 Chipset
Expansion Slots	1x PCIe 5.0 x16 slot, 1x PCIe 4.0 x16 slot, 1x PCIe 3.0 x1 slot
Display Interface	Support 4K@60Hz as specified in HDMI™ 2.1, DisplayPort 1.4 – Requires Processor Graphics
Memory Support	4 DIMMs, Dual Channel DDR5 7200+MHz (OC)
Storage	4x M.2 Gen4 x4 64Gbps slots, 7x SATA 6Gb/s ports
USB ports	1x USB 3.2 Gen 2x2 20Gbps (Type-C), 6x USB 3.2 Gen 2 10Gbps (4 Type-A + 2 Type-C), 6x USB 3.2 Gen 1 5Gbps (Type-A), 4x USB 2.0
LAN	1x Intel® 2.5Gbps LAN
Wireless / Bluetooth	Intel® Wi-Fi 6E, Bleutooth 5.2
Audio	8-Channel (7.1) HD Audio with Audio Boost 5

CONNECTIONS



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

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