MOTHERBOARDS

MAG Z790 TOMAHAWK MAX WIFI

UNITE AS ONE

SPECIFICATIONS

Model Name	MAG Z790 TOMAHAWK MAX WIFI
CPU Support	Support Intel® Core™ 14th/ 13th/ 12th Gen Processors, Intel® 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 DDR5-7800+MHz(OC)
Storage	1x M.2 Gen5 x4 128Gbps slot, 3x M.2 Gen 4 x4 64Gbps slots, 8x SATA 6Gbps ports
USB ports	1x USB 3.2 Gen 2x2 20Gbps (Type-C), 6x USB 3.2 Gen 2 10Gbps (2 Type-C + 4 Type-A), 6x USB 3.2 Gen 1 5Gbps (6 Type-A), 4x USB 2.0
LAN	Intel® 2.5Gbps LAN
Wireless / Bluetooth	Wi-Fi 7 Solution, Bluetooth 5.4
Audio	8-Channel (7.1) HD Audio with Audio Boost 5

FEATURES

Wi-Fi 7

The latest wireless solution with a new 320MHz channel, achieving a maximum transmission speed of 5.8Gbps, which is 2.4 times faster than Wi-Fi 6/6E.

Screwless M.2 Shield Frozr

The patent-pending design provides the easiest way of M.2 installation. Install or uninstall your M.2 and Shield Frozr without tools and screws.

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.

Extended Heatsink Design

MSI extended PWM heatsink and enhanced circuit design ensures even high-end processors to run in full speed.

M.2 Shield FROZR

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

Core Boost

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

Latest DDR5 Memory

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

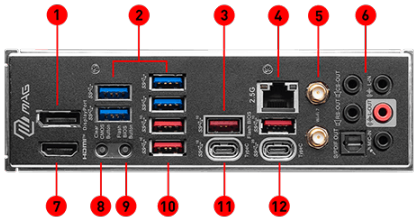
2.5G Network Solution

Featuring premium 2.5G LAN to deliver better network experience.

Audio Boost 5

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

CONNECTIONS



1. DisplayPort
2. USB 3.2 Gen 1 5Gbps (Type-A)
3. USB 3.2 Gen 2 10Gbps (Type-A)
4. 2.5G LAN
5. Wi-Fi / Bluetooth
6. Audio Connectors
7. HDMI™
8. Clear CMOS Button
9. Flash BIOS Button
10. USB 3.2 Gen 2 10Gbps (Type-A)
11. USB 3.2 Gen 2 10Gbps (Type–C)
12. USB 3.2 Gen 2x2 20Gbps (Type–C)

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