



## SPECIFICATIONS

<b>Model Name</b>	MAG Z790 TOMAHAWK WIFI
<b>CPU Support</b>	Supports 12th/ 13th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors
<b>CPU Socket</b>	LGA 1700
<b>Chipset</b>	Intel® Z790 Chipset
<b>Expansion Slots</b>	1x PCIe 5.0 x16 slot, 1x PCIe 4.0 x16 slot, 1x PCIe 3.0 x1 slot
<b>Display Interface</b>	Support 4K@60Hz as specified in HDMI™ 2.1, DisplayPort 1.4 - Requires Processor Graphics
<b>Memory Support</b>	4 DIMMs, Dual Channel DDR5 7200+MHz (OC)
<b>Storage</b>	4x M.2 Gen4 x4 64Gbps slots, 7x SATA 6Gb/s ports
<b>USB ports</b>	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
<b>LAN</b>	1x Intel® 2.5Gbps LAN
<b>Wireless / Bluetooth</b>	Intel® Wi-Fi 6E, Bluetooth 5.3
<b>Audio</b>	8-Channel (7.1) HD Audio with Audio Boost 5

## 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.



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**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**

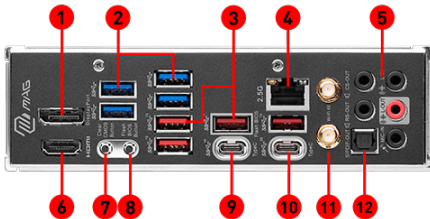
Isolated audio with a high quality audio processor for the most immersive gaming experience



**6 Layer PCB with 2oz Thickened Copper**

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

**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            |