msi

MAG Z790 TOMAHAWK WIFI DDR4

UNITE AS ONE









SPECIFICATIONS

Model Name	MAG Z790 TOMAHAWK WIFI DDR4
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 PCle 5.0 x16 slot, 1x PCle 4.0 x16 slot, 1x PCle 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 DDR4 5333+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 /	Intel® Wi-Fi 6E, Bleutooth 5.3
Bluetooth	
Audio	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.



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

 $\mbox{M.2}$ thermal accessory keeps $\mbox{M.2}$ 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

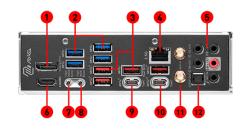
Isolated audio with a high quality audio processor for the most immersive gaming experience



6 Layer PCB with 2oz Thickened Copper

An Enhanced PCB design provides higher performance and longlasting system stability without any compromise.

CONNECTIONS



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