MSi®

MAG Z690 TOMAHAWK WIFI

CONOUER THE BATTLEFIELD





SPECIFICATIONS

Model Name	MAG Z690 TOMAHAWK WIFI
CPU Support	Supports 12 th Gen Intel® Core™ Processors, Pentium® Gold
	and Celeron® Processors
CPU Socket	LGA 1700
Chipset	Intel® Z690 Chipset
Graphics	1x PCle 5.0 x16 slot, 1x PCle 3.0 x16 slot
Interface	Supports AMD [®] CrossFire™ Technology
Display Interface	Support 4K@60Hz as specified in HDMI™ 2.1, DisplayPort
	1.4
	- Requires Processor Graphics
Memory Support	4 DIMMs, Dual Channel DDR5-6400+ (OC)
Expansion Slots	1x PCle 3.0 x16 slot, 1x PCle 3.0 x1 slot
Storage	3x M.2 Gen4 x4 64Gbps slots, 1x M.2 Gen3 x4 32Gbps slot,
	Support Intel® Optane™ Technology,
	6x SATA 6Gb/s ports
USB ports	1x USB 3.2 Gen 2x2 20Gbps (Type-C),
	4x USB 3.2 Gen 2 10Gbps (3 Type-A + 1 Type-C),
	4x USB 3.2 Gen 1 5Gbps (Type-A),
	6x USB 2.0
LAN	1x Intel® I225-V 2.5G LAN
Wireless /	Intel [®] Wi-Fi 6E module, Bluetooth 5.2
Bluetooth	
Audio	8-Channel (7.1) HD Audio with Audio Boost 5

FEATURES



Lightning Gen 5

The latest PCle 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.



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



M.2 Shield FROZR

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



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

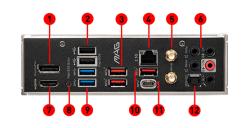
Built-in USB 3.2 Gen 2x2 port, offers 20Gbps transmission speed, 4X faster than USB 3.2 Gen 1.



Audio Boost 5

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

CONNECTIONS



- 1. DisplayPort 1.4
- 3. USB 3.2 Gen 2 10Gbps Type-A
- 5. Wi-Fi / Bluetooth Antenna
- 7. HDMI™ 2.1 Port
- 9. USB 3.2 Gen 1 5Gbps Type-A
- 11. USB 3.2 Gen 2x2 20Gbps Type-C
- 2. USB 2.0 Port
- 4. 2.5G LAN Port
- 6. HD Audio Connectors
- 8. Flash BIOS Button
- 10. USB 3.2 Gen 2 10Gbps Type-A
- 12. Optical S/PDIF OUT