



SPECIFICATIONS

Model Name	MAG Z390 TOMAHAWK
CPU Support	Supports 9 th / 8 th Gen Intel® Core™ / Pentium® Gold / Celeron® processors
CPU Socket	LGA 1151
Chipset	Intel® Z390 Chipset
Graphics	3 x PCI-E 3.0 x16 slots
Interface	Supports 2-way AMD® CrossFire™ Technology
Display Interface	HDMI™, DisplayPort - Requires Processor Graphics
Memory Support	4 DIMMs, Dual Channel DDR4-4400(OC)
Expansion Slots	2 x PCI-E 3.0 x1 slots, 1 x M.2 supports Intel® CNVi
Storage	2 x M.2 slots, support Intel® Optane™ Technology 6 x SATA 6Gb/s
USB Ports	4 x USB 3.1 (Gen2, A+C) + 4 x USB 3.1 (Gen1) + 6 x USB 2.0
LAN	Intel® I219-V Gigabit LAN + Intel® I211-AT LAN
Audio	8-Channel (7.1) HD Audio with Audio Boost

FEATURES

- Pre-installed I/O Shielding**
 Better EMI protection and more convenience for installation
- Dual LAN**
 Dual premium network solution for both Intranet and Internet, offering a smooth gaming experience for effective network connection
- Intel® CNVi Ready**
 Supports Intel® CNVi Wi-Fi, IEEE 802.11 AC wave2.
- Intel Turbo USB 3.1 Gen2**
 Powered by Intel, ensure an uninterrupted connection with more stability and fastest USB speeds.
- M.2 SHIELD FROZR**
 Onboard M.2 thermal solution to keep M.2 SSDs safe while preventing throttling, making them run cooler & faster.
- Core Boost**
 With premium layout and fully digital power design to support more cores and provide better performance.
- Extended Heatsink Design**
 MSI extended PWM heatsink and enhanced circuit design ensures even high-end processors to run in full speed.
- DDR4 Boost**
 Advanced technology to deliver pure data signals for the best gaming performance and stability.

CONNECTIONS



1. PS/2 Combo Port
2. LAN Port
3. HD Audio Connectors
4. USB 2.0 Port
5. DisplayPort
6. HDMI™ Port
7. USB 3.1 Gen2 Type A
8. USB 3.1 Gen2 Type A+C
9. Optical S/PDIF OUT