



## SPECIFICATIONS

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



### MULTI-GPU

With Steel Armor PCI-E slot. Supports 2-Way AMD Crossfire™.



### 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