



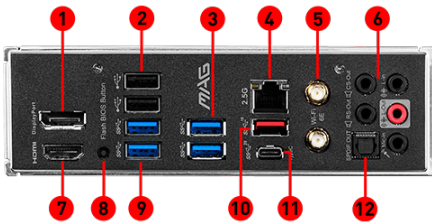
## SPECIFICATIONS

<b>Model Name</b>	MPG Z590 TOMAHAWK WIFI
<b>CPU Support</b>	Supports 10 <sup>th</sup> Gen Intel® Core™ Processors, 11th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors
<b>CPU Socket</b>	LGA 1200
<b>Chipset</b>	Intel® Z590 Chipset
<b>Graphics Interface</b>	1x PCIe 4.0 x16 slot, 1x PCIe 3.0 x16 slot Support 2-way AMD® CrossFire™ Technology
<b>Display Interface</b>	Support 4K@60Hz as specified in HDMI™ 2.0b, DisplayPort 1.4 - Requires Processor Graphics
<b>Memory Support</b>	4 DIMMs, Dual Channel DDR4-5333 (OC)
<b>Expansion Slots</b>	2x PCIe 3.0 x1 slots
<b>Storage</b>	1x M.2 Gen4 x4 64Gb/s slot, 2x M.2 Gen3 x4 32Gb/s slots, Support Intel® Optane™ Technology, 6x SATA 6Gb/s ports
<b>USB ports</b>	1x USB 3.2 Gen 2x2 20Gbps (Type-C), 2x USB 3.2 Gen 2 10Gbps (Type-A + Type-C), 6x USB 3.2 Gen 1 5Gbps (Type-A), 6x USB 2.0
<b>LAN</b>	Intel® I225-V 2.5G LAN
<b>WiFi / BT</b>	Intel® Wi-Fi 6E AX210, Bluetooth 5.2
<b>Audio</b>	8-Channel (7.1) HD Audio with Audio Boost 5

## FEATURES

- Lightning Gen4 Solution**  
 The latest Gen4 PCI-E solution with up to 64GB/s bandwidth for maximum transfer speed.
- DDR4 Boost**  
 Advanced technology to deliver pure data signals for the best gaming performance and stability.
- M.2 Shield FROZR**  
 M.2 thermal accessory. Keeps M.2 SSDs safe while preventing throttling, making them run faster.
- Mystic Light**  
 Personalize your PC with 16.8 million colors / 31 effects, controlled in one click!..
- Wi-Fi 6E**  
 The latest wireless solution supports 6GHz spectrum, MU-MIMO and BSS color technology, delivering speeds up to 2400Mbps.
- 2.5G LAN**  
 Onboard 2.5G LAN with LAN manager, delivering the best online gaming experience.
- Extended Heatsink Design**  
 MSI extended PWM heatsink and enhanced circuit design ensures even high-end processors to run in full speed.
- Lightning USB 20G**  
 Built-in USB 3.2 Gen 2x2 port, offers 20Gbps transmission speed, 4X faster than USB 3.2 Gen 1.
- Core Boost**  
 With premium layout and optimized 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

## CONNECTIONS



- DisplayPort
- USB 2.0
- USB 3.2 Gen 1 5Gbps Type-A
- 2.5G LAN Port
- Wi-Fi / Bluetooth Antenna
- HD Audio Connectors
- HDMI™
- Flash BIOS Button
- USB 3.2 Gen 1 5Gbps Type-A
- USB 3.2 Gen 2 10Gbps Type-A
- USB 3.2 Gen 2x2 20Gbps Type-C
- Optical S/PDIF OUT