



SPECIFICATIONS

Model Name	MAG B650 TOMAHAWK WIFI
CPU Support	Supports AMD Ryzen™ 8000 / 7000 Series Desktop Processors
CPU Socket	Socket AM5
Chipset	AMD B650 Chipset
Graphics Interface	2x PCIe 4.0 x16 slots, 1x PCIe 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 DDR5 7600+MHz (OC)
Storage	3x M.2 Gen4 x4 64Gbps slots 6x SATA 6Gbps 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) 6x USB 3.2 Gen 1 5Gbps (6 Type-A) 6x USB 2.0
LAN	1x Realtek® RTL8125BG 2.5Gbps LAN
Wireless / Bluetooth	AMD Wi-Fi 6E, Bluetooth 5.2
Audio	8-Channel (7.1) HD Audio with Audio Boost 5

FEATURES



Extended Heatsink Design

MSI extended PWM heatsink and enhanced circuit design ensures even high-end processors to run in full speed.



Latest DDR5 Memory

A huge step of DDR performance enhancement with the latest DDR5 memory and MSI Memory Boost technology.



Lightning Gen4 Solution

Gen4 PCI-E and M.2 solution with up to 64GB/s bandwidth for maximum transfer speed.



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

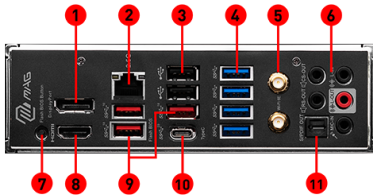
Isolated audio with a high quality audio processor for the most immersive gaming experience



Memory Boost

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

CONNECTIONS



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