



SPECIFICATIONS

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|-----------------------------|--|
| Model Name | MAG B650 TOMAHAWK WIFI |
| CPU Support | Supports AMD Ryzen™ 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 with LAN manager 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

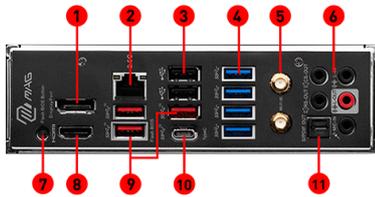
Isolated audio with a high quality audio processor for the most immersive gaming experience



Memory Boost

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

CONNECTIONS



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|--------------------------------|-----------------------------------|
| 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 | |