

MSI MAG B850 TOMAHAWK MAX WIFI II motherboard AMD B850 Socket AM5 ATX

Model: 7E62-015R

Manufacturer: MSI

EAN: 4711377424011

Product Code: 1716949

R6,770

MSI MAG B850 TOMAHAWK MAX WIFI II

MAG B850 TOMAHAWK MAX WIFI II is designed for gamers with a stable, durable and DIY friendly foundation for their PC builds. Coming up with the latest Wi-Fi 7 solution, 5G LAN, USB 20Gbps, PCIe 5.0 solutions, Supplemental PCIe Power, and exclusive EZ DIY features, it's ready for the battlefield of AMD Ryzen™ 9000 series processors.

MSI's mainstream MAG series epitomizes stability and durability and is built to withstand the most intense gaming sessions. The entire lineup features robust construction with metallic-like hardness and excellent heat dissipation, ensuring stability for all critical gaming components.

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Carefully developed by MSI, allows SSD installation and removal without the need for screws, greatly enhancing convenience.

The Pre-Installed I/O Shield offers a streamlined and hassle-free installation experience by eliminating the need to manually fit the I/O shield during motherboard setup. With its built-in design, it ensures proper alignment and a secure fit, providing both protection and convenience while enhancing the overall durability of your build.

MSI EZ Antenna makes the process effortless by simply attaching fasteners to the motherboard without rotation.

Onboard LEDs will indicate the source of the problem so you know exactly where to look to get up and running again.

This LED lights up when it detects faulty memory in slots, eliminating guesswork from troubleshooting.

While overclocking can be overly complex for some, MSI Click BIOS X made it more accessible with multiple one-click overclock features for both processor and memory, allowing users to easily enhance system performance without delving into intricate settings.

GAME BOOST

One-click CPU overclock automatically optimizes your CPU performance, instantly tuning it to the best possible level.

AI BOOST

An intelligent algorithm boosts NPU performance to get the best possible AI performance when you need additional horsepower.

EXPO / A-XMP

Choose from preset EXPO and A-XMP profiles to automatically overclock compatible DDR memory for optimal performance.

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A host of features inject artificial intelligence into key aspects of your computing experience to make smarter, real-time optimizations. The MSI Center offers a clean, minimal interface to customize and manage your PC settings. The AI Engine, for example, automatically adjusts settings based on the applications you're using, ensuring seamless performance.

Unleash and sustain maximum performance with a flagship VRM design built with a total of 14+2+1 digital power phases. Combining dual power connectors and 80A Smart Power Stage, MAG B850 TOMAHAWK MAX WIFI II is ready for the challenge of high-end processors.

A huge step of DDR performance enhancement with the latest DDR5 memory. Combines with dedicated SMT welding process and MSI Memory Boost technology, MAG B850 TOMAHAWK MAX WIFI II is ready to deliver the world-class memory performance.

Transient Voltage Suppressors (TVS) are safety devices used to protect against excessive voltage. All motherboard models of MSI are equipped with TVS. When the voltage abnormally rises, the TVS switches from a high-resistance state to a low-resistance state, diverting the excessive voltage to ground. This helps prevent circuit damage caused by high voltage.

The 4-pin, 8-pin, and 24-pin power connectors of MSI motherboards are all designed with solid pins. The solid pin design allows for a more stable transmission of 12V power to the CPU, even when handling high current loads.

An extra layer of sponge materials along with corrosive resistance IO Shield to help improve static electricity and reduce electromagnetic radiation noise from the system as well as much more durable compare to traditional IO Shields.

MSI motherboards prioritize safety with the embedded Overcurrent Protection (OCP), ensuring crucial components such as the USB ports, DDR memory, PWM IC, and CPU are shielded from excessive current. This proactive defense mechanism curtails the risk of damage or malfunction due to power surges, promoting long-term system stability. This commitment to safeguarding your hardware underscores MSI's dedication to producing motherboards that prioritize durability and stability.

The grounding structure of power phases is the MSI's exclusive design. This patented design enables to suppress the electromagnetic interference (EMI) generated by the power phases and helps to efficiently conduct heat to the copper plane with grounding properties.

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Extended Heatsink

Extended Heatsink enlarges the surface of heat dissipation and maintain the performance at heavy loads.

Z M.2 Shield Frozr II

Strengthened M.2 thermal solution helps keep M.2 SSD safe and ensures incredible performance.

Heavy Plated VRM Heatsink

The VRM heatsink covers the upper MOS and helps dissipate the heat.

7W/mK Thermal Pad & Additional Choke Pad

High-quality 7W/mK MOSFET thermal pads and additional choke thermal pads ensure stable performance when all cores are runnging at high speed.

Enlarged Chipset Heatsink

The enlarged heatsink is designed to reduce dust and noise and capable of maintaining high efficiency of heat dissipation.

Connect and synchronize with MSI coolers and cases with strategically positioned pin-header locations including a dedicated pump-fan header.

Cooling Wizard serves as a comprehensive solution for managing fan settings across all MSI products. It ensures superior cooling performance and noise reduction for your gaming PC, offering compatibility with PWM/DC fans and pumps, customizable options, and intuitive temperature monitoring for optimal operation with one click.

Frozr AI Cooling targets CPU and GPU temperatures. The AI system detects CPU and GPU temperatures and automatically adjusts the fan duty of system fans to ensure optimal performance.

MSI fan headers automatically detect fans running in DC or PWM mode for optimal tuning of fan speeds and silence. Hysteresis also makes your fans spin up fluently to make sure your system stays

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silent, no matter what.

MSI's premium network solution provides incredible data transfer speed for demanding users.

Wi-Fi 7 is the latest wireless solution that takes a huge leap forward with multiple improvements to meet the traffic demand brought and the growing number of wireless devices.

MSI AI LAN Manager automatically classifies and prioritizes the latency-sensitive applications for online games, giving you the best online gaming experience with low latency.

MSI MAG series motherboards support all the latest storage standards, which allows users to connect any ultra-fast storage device. Start games faster, load levels faster and have a real advantage over your enemies.

A larger BIOS ROM capacity allows users to enjoy the most complete and feature-rich BIOS interface when using their CPU. Even when upgrading to the latest AM5 CPUs in the future, full compatibility will still be ensured.

MSI motherboards fully utilize native CPU PCIe 5.0 lanes with optimized lane bifurcation, allowing the Gen 5 x16 slot and dual Gen 5 M.2 connectors to operate independently, eliminating bandwidth conflicts and unlocking maximum performance for both GPUs and SSDs.

LIGHTNING GEN 5 PCI-E

Doubling over the previous generation, the bandwidth of a x16 interface can reach 128GB/s.

SMT PCIE 5.0 SLOT

The advanced SMT(Surface Mount Technology) PCIE slot diminish interference and electrical noise, fully support the PCI-E 5.0 signal.

Steel Armor II

Compared to the previous generation, Steel Armor II's weight endurance has increased by 21%, ensuring excellent signal transmission quality.

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MSI motherboards support USB Front Type-C that allows gamers to connect with the latest USB devices. Built up a system with MSI PC case to have the most convenient experience.

Splash on some color and vibrant RGB lighting effects using Mystic Light utility of MSI Center, which has million colors and fancy LED effects. Enjoy the full control and creativity of your PC's lighting with one software.

MSI’s newly designed CLICK BIOS X offers an aesthetically pleasing and user-friendly experience. The new design ensures that users of all experience levels can quickly access and adjust system configurations with ease.

MSI brand new MSI Center unifies a suite of MSI software utilities into a single centralized application. Take control of advanced motherboards features and unleash endless possibilities.

MSI motherboards provide 60 days free trial of AIDA64 Extreme - MSI edition. AIDA64 Extreme is an almighty application for system information, diagnostics and benchmarks. With the application, you can monitor the detailed hardware and software information on PC and save it to file in multiple formats such as CSV and HTML.

Multiple layers of protection for your devices, online privacy features including our Secure VPN, plus Dark Web Monitoring - all in a single solution. With MSI motherboards, you can enjoy a 60-day free trial of Norton 360 Deluxe.

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