MOTHERBOARD

B650E GAMING WIFI

WIN THE COMPETITION



SPECIFICATIONS

Model Name	B650E GAMING WIFI
CPU Support	Supports AMD Ryzen™ 9000 / 8000 / 7000 Series Desktop Processors
CPU Socket	AMD Socket AM5
Chipset	AMD B650 Chipset
Expansion slot	1x PCIe 5.0 x16 slot, 1x PCIe 4.0 x4 slot
Display Interface	Support 4K@60Hz as specified in HDMI™ 2.1 TMDS – Requires Processor Graphics
Memory Support	4 DIMMs, Dual Channel DDR5 - 8000+ MT/s (OC)
Storage	1 x M.2 Gen5 x4 128Gbps slot, 1 x M.2 Gen4 x4 64Gbps slot, 1 x M.2 Gen4 x2 32Gbps slot, 4 x SATA 6Gbps ports
USB ports	3 x USB 10Gbps (2 Type-C + 1 Type-A), 4 x USB 5Gbps (4 Type-A) 8 x USB 2.0
LAN	2.5G LAN
Wireless / BT	Wi-Fi 6E Solution, Bluetooth 5.3
Audio	8-Channel (7.1) HD Audio with Audio Boost

FEATURES

Lightning Gen 5

The latest PCIe 5.0 solution with up to 128GB/s bandwidth for maximum transfer speed.

M.2 Shield FROZR

Strengthened built-in M.2 thermal solution. Keeps M.2 SSDs safe while preventing throttling, making them run faster.

Triple M.2 Connectors

Onboard 3x M.2 Connectors with one Lightning Gen 5 solution for the maximum storage performance

Extended Heatsink Design

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

2.5G LAN

Onboard 2.5G LAN with AI LAN Manager, ensuring a smooth and optimized online experience.

Wi-Fi 6E

The wireless solution supports on the 6GHz spectrum with MU-MIMO technology.

2oz Thickened Copper PCB

An enhanced PCB design improves heat dissipation and performance reliability.

Latest DDR5 Memory

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

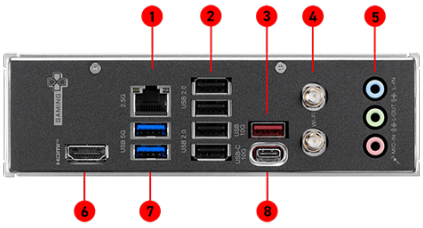
Core Boost

Premium layout and optimized power design ensure better performance.

Audio Boost

Reward your ears with studio grade sound quality for the most immersive audio experience.

CONNECTIONS



1. 2.5G LAN
2. USB 2.0
3. USB 10Gbps (Type-A)
4. Wi-Fi / Bluetooth
5. Audio Connectors
6. HDMI™
7. USB 5Gbps (Type-A)
8. USB 10Gbps (Type-C)

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