MOTHERBOARDS

# 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,<br>1 x M.2 Gen4 x4 64Gbps slot,<br>1 x M.2 Gen4 x2 32Gbps slot,<br>4 x SATA 6Gbps ports |
| **USB ports** | 3 x USB 10Gbps (2 Type-C + 1 Type-A),<br>4 x USB 5Gbps (4 Type-A)<br>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.

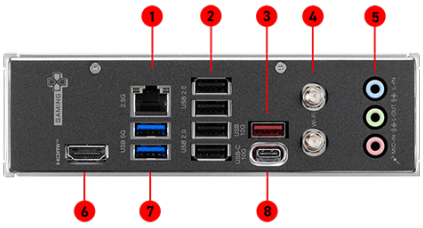
**Core Boost**

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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