



## FEATURES



### Wi-Fi 7

The latest wireless solution with a new 320MHz channel, achieving a maximum transmission speed of 5.8Gbps, which is 2.4 times faster than Wi-Fi 6/6E.



### Latest DDR5 Memory

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



### Lightning Gen4 Solution

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



### Extended Heatsink Design

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



### EZ M.2 Shield Frozr II

The new tool-less design makes installing or removing your M.2 SSD and Shield Frozr much easier



### EZ PCIe Clip II

Allows for easy removal of the graphics card by pressing the tail-like lock with one finger, even in the cramped case spaces.



### Pre-installed I/O Shielding

Better EMI protection and more convenience for installation



### 2.5G Network Solution

Featuring premium 2.5G LAN to deliver better network experience.



### Dual M.2 Connectors

Onboard dual M.2 connectors for the maximum storage performance with Lightning Gen 4 solution.



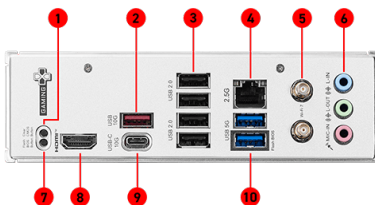
### Audio Boost

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

## SPECIFICATIONS

|                          |                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------|
| <b>Model Name</b>        | B840 GAMING PLUS WIFI                                                                        |
| <b>CPU Support</b>       | Supports AMD Ryzen™ 9000 / 8000 / 7000 Series Desktop Processors                             |
| <b>CPU Socket</b>        | AMD Socket AM5                                                                               |
| <b>Chipset</b>           | AMD B840 Chipset                                                                             |
| <b>Expansion slot</b>    | 1 x PCIe 4.0 x16 slot,<br>1 x PCIe 3.0 x16 slot,<br>3 x PCIe 3.0 x1 slots                    |
| <b>Display Interface</b> | Support 4K@60Hz as specified in HDMI™ 2.1,<br>- Requires Processor Graphics                  |
| <b>Memory Support</b>    | 4 DIMMs, Dual Channel DDR5 - 8000+ MT/s (OC)                                                 |
| <b>Storage</b>           | 2 x M.2 Gen4 x4 64Gbps slots,<br>4 x SATA 6Gbps ports                                        |
| <b>USB ports</b>         | 2 x USB 10Gbps (1 Type-A + 1 Type-C),<br>5 x USB 5Gbps (4 Type-A + 1 Type-C),<br>8 x USB 2.0 |
| <b>LAN</b>               | Realtek® 2.5Gbps LAN                                                                         |
| <b>WIFI / BT</b>         | Wi-Fi 7 Solution, Bluetooth 5.4                                                              |
| <b>Audio</b>             | 8-Channel (7.1) HD Audio with Audio Boost                                                    |

## CONNECTIONS



1. Clear CMOS Button
2. USB 10Gbps (Type-A)
3. USB 2.0
4. 2.5G LAN
5. Wi-Fi / Bluetooth
6. HD Audio Connectors
7. Flash BIOS Button
8. HDMI™ 2.1 Port
9. USB 10Gbps (Type-C)
10. USB 5Gbps (Type-A)