FEATURES

EZ Dashboard

Consolidate power, reset, clear CMOS buttons, and debug LED into one accessory card, streamlining the reboot and testing process for overclocking.

OC Engine

With the clock generator, the OC Engine technology releases the maximum power of CPU.

64MB BIOS

A larger BIOS ROM capacity allows the motherboard to support next-level CPU upgrades with better compatibility.

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.

5G Network Solution

Featuring premium 5G LAN to deliver better network experience.

Lightning Gen 5

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

Quadruple M.2 Connectors

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

Extended Heatsink Design

MSI extended PWM heatsink and enhanced circuit design ensures even high-end processors to run in full speed.
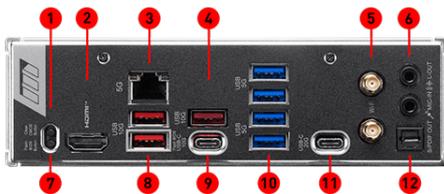
Audio Boost 5

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

SPECIFICATIONS

Model Name	B850MPOWER
CPU Support	Supports AMD Ryzen™ 9000 / 8000 / 7000 Series Desktop Processors
CPU Socket	AMD Socket AM5
Chipset	AMD B850 Chipset
Expansion Slots	1 x PCIe 5.0 x16 slot, 1 x PCIe 4.0 x4 slot
Display Interface	Support 8K@60Hz as specified in HDMI™ 2.1 FRL – Requires Processor Graphics
Memory Support	2 DIMMs, Dual Channel DDR5 - 8400+MT/s (OC)
Storage	2 x M.2 Gen5 x4 128Gbps slots 1 x M.2 Gen4 x4 64Gbps slot 1 x M.2 Gen4 x2 32Gbps slot 2 x SATA 6Gbps ports
USB ports	1 x USB 20Gbps (1 Type-C) 5 x USB 10Gbps (3 Type-A + 2 Type-C) 6 x USB 5Gbps (6 Type-A) 4 x USB 2.0
LAN	Realtek® 5Gbps LAN
WIFI / BT	Wi-Fi 7 Solution, Bluetooth 5.4
Audio	8-Channel (7.1) USB High Performance Audio with Audio Boost 5

CONNECTIONS

1. Clear CMOS Button
2. HDMI™ 2.1 Port
3. 5G LAN
4. USB 10Gbps (Type-A)
5. Wi-Fi / Bluetooth
6. HD Audio Connectors
7. Flash BIOS Button
8. USB 10Gbps (Type-A)
9. USB 10Gbps (Type-C)
10. USB 5Gbps (Type-A)
11. USB 20Gbps (Type-C)
12. Optical S/PDIF-Out