PRO B850M-B GEN4

BUSINESS ELEGANCE

AMD RYZEN

SPECIFICATIONS

Model Name	PRO B850M-B GEN4
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 4.0 x16 slot 1 x PCIe 3.0 x1 slot
Display Interface	Support 4K@60Hz as specified in HDMI™ 2.1, DisplayPort 1.4 – Requires Processor Graphics
Memory Support	2 DIMMs, Dual Channel DDR5 – 8200+ MT/s (OC)
Storage	1 x M.2 Gen5 x4 128Gbps slot 1 x M.2 Gen4 x4 64Gbps slot 4 x SATA 6Gbps ports
USB Ports	1 x USB 10Gbps (1 Type-C) 6 x USB 5Gbps (5 Type-A + 1 Type-C) 6 x USB 2.0
LAN	Realtek® 8125 2.5G LAN
Audio	8-Channel (7.1) HD Audio with Audio Boost

FEATURES

64MB BIOS

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

Latest DDR5 Memory

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

Lightning Gen 5 Solution

The latest Gen 5 M.2 solution with up to 128GB/s bandwidth for maximum transfer speed.

2.5G Network Solution

Featuring premium 2.5G LAN to deliver better network experience.

M.2 Shield Frozr

Built-in M.2 thermal solution keeps M.2 SSDs safe, prevents throttling and maintains the performance.

Extended Heatsink Design

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

Pre-installed I/O Shielding

Better EMI protection and more convenience for installation

Frozr AI Cooling

Detect CPU & GPU temperatures and automatically adjust system fan duty to a proper value.

Memory Boost

Advanced technology to deliver pure data signals for the best performance, stability and compatibility.
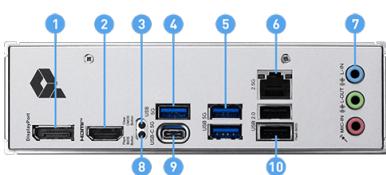
Core Boost

With premium layout and fully digital power design to support more cores and provide better performance.

CONNECTIONS

1. DisplayPort
2. HDMI™
3. Clear CMOS Button
4. USB 5Gbps Type-A
5. USB 5Gbps Type-A
6. 2.5G LAN
7. Audio Connectors
8. Flash BIOS Button
9. USB 5Gbps Type-C
10. USB 2.0