MOTHERBOARDS

PRO B860M-P WIFI6E

BUSINESS ELEGANCE

SPECIFICATIONS

Model Name	PRO B860M-P WIFI6E
CPU Support	Supports Intel® Core™ Ultra Processors (Series 2)
CPU Socket	LGA 1851
Chipset	Intel® B860 Chipset
Expansion Slots	1 x PCIe 5.0 x16 slot 1 x PCIe 4.0 x4 slot
Display Interface	Support 4K@60Hz as specified in HDMI™ 2.1 TMDS, DisplayPort 1.4, VGA – Requires Processor Graphics
Memory Support	4 DIMMs, Dual Channel DDR5 - 8800+ 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	6 x USB 5Gbps (5 Type-A + 1 Type-C) 6 x USB 2.0
LAN	Realtek® 8125 2.5G LAN
Wireless / Bluetooth	Wi-Fi 6E module, Bluetooth 5.3
Audio	8-Channel (7.1) HD Audio with Audio Boost

FEATURES

Lightning Gen 5 Solution

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

EZ Antenna

EZ Antenna makes the process effortless by simply attaching fasteners to the motherboard without rotation.

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.

Wi-Fi 6E

Supports 6GHz spectrum, MU-MIMO and BSS color technology, delivering speeds up to 2400Mbps.

2.5G LAN

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

Latest DDR5 Memory

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

M.2 SHIELD FROZR

Onboard M.2 thermal solution to keep M.2 SSDs safe while preventing throttling, making them run cooler & faster.

Extended Heatsink Design

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

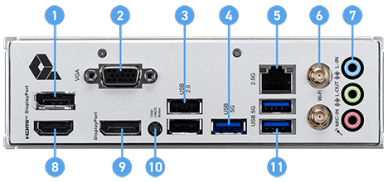
Pre-installed I/O Shielding

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.

CONNECTIONS



1. DisplayPort
2. VGA
3. USB 2.0
4. USB 5Gbps Type-A
5. 2.5G LAN
6. Wi-Fi / Antenna
7. Audio Connectors
8. HDMI™
9. DisplayPort
10. Clear CMOS Button
11. USB 5Gbps Type-A

Generated 2026-10-28, check for the latest version www.msi.com/datasheet. The information provided in this document is intended for informational purposes only and is subject to change without notice.

© 2026 Micro-Star Int'l Co.Ltd. MSI is a registered trademark of Micro-Star Int'l Co.Ltd. All rights reserved.