



FEATURES



Extended Heatsink Design

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



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.



M.2 Shield FROZR

M.2 thermal accessory. Keeps M.2 SSDs safe while preventing throttling, making them run faster.



Wi-Fi 6E

The latest wireless solution supports 6GHz spectrum, MU-MIMO and BSS color technology, delivering speeds up to 2400Mbps.



2.5G Network Solution

Featuring premium 2.5G LAN to deliver better network experience.



Lightning USB 20G

Built-in USB 3.2 Gen 2x2 port, offers 20Gbps transmission speed, 4X faster than USB 3.2 Gen 1.



Audio Boost

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



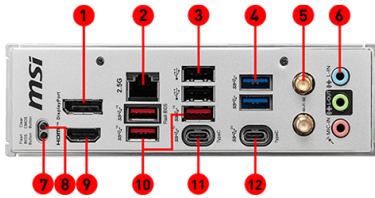
Memory Boost

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

SPECIFICATIONS

Model Name	B650M APE WIFI
CPU Support	Supports AMD Ryzen™ 8000 / 7000 Series Desktop Processors
CPU Socket	Socket AM5
Chipset	AMD B650 Chipset
Graphics Interface	1x PCIe 4.0 x16 slot, 1x PCIe 3.0 x1 slot
Display Interface	Support 4K@60Hz as specified in HDMI™ 2.1, DisplayPort 1.4 – Requires Processor Graphics
Memory Support	4 DIMMs, Dual Channel DDR5-7600+ (OC)
Storage	2x M.2 Gen4 x4 64Gbps slots, 4x SATA 6Gbps ports
USB ports	1x USB 20Gbps (Type-C), 5x USB 10Gbps (3 Type-A + 2 Type-C), 4x USB 5Gbps (4 Type-A), 6x USB 2.0
LAN	1x Realtek® 8125BG 2.5Gbps LAN
Wireless / Bluetooth	AMD Wi-Fi 6E, Bluetooth 5.3
Audio	8-Channel (7.1) HD Audio with Audio Boost

CONNECTIONS



1. DisplayPort 1.4
2. 2.5G LAN Port
3. USB 2.0 Port
4. USB 5Gbps Type-A
5. Wi-Fi / Bluetooth Antenna
6. Audio Connectors
7. Flash BIOS Button
8. Clear CMOS Button
9. HDMI™ 2.1 Port
10. USB 10Gbps Type-A
11. USB 10Gbps Type-C
12. USB 20Gbps Type-C