



## SPECIFICATIONS

Model Name	B650 GAMING PLUS WIFI
CPU Support	Supports AMD Ryzen™ 7000 Series Desktop Processors
CPU Socket	AMD Socket AM5
Chipset	AMD B650 Chipset
Expansion Slots	2x PCIe 4.0 x16 slots 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 DDR5-6000+MHz (OC)
Storage	2x M.2 Gen 4 x4 64Gbps slots, 4x SATA 6Gbps ports
USB ports	1x USB 3.2 Gen 2x2 20Gbps (1 Type-C), 4x USB 3.2 Gen 2 10Gbps (3 Type-A + 1 Type-C), 6x USB 3.2 Gen 1 5Gbps (6 Type-A), 4x USB 2.0
LAN	Realtek® RTL8125BG 2.5Gbps LAN
Wi-Fi / Bluetooth	AMD® Wi-Fi 6E, Bluetooth 5.3
Audio	8-Channel (7.1) HD Audio with Audio Boost

## FEATURES



### 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.



### M.2 Shield FROZER

Strengthened built-in M.2 thermal solution. Keeps M.2 SSDs safe while preventing throttling, making them run faster.



### Lightning USB 20G

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



### 2.5G Network Solution

Featuring premium 2.5G LAN with LAN manager to deliver better network experience.



### Wi-Fi 6E

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



### Core Boost

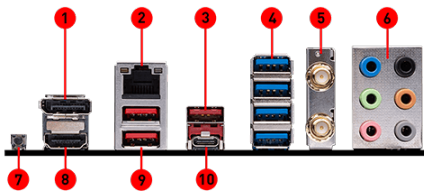
With premium layout and fully digital power design to support more cores and provide better performance.



### Audio Boost

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

## CONNECTIONS



- |                                  |                                     |
|----------------------------------|-------------------------------------|
| 1. DisplayPort 1.4               | 2. 2.5G LAN                         |
| 3. USB 3.2 Gen 2 10Gbps (Type-A) | 4. USB 3.2 Gen 1 5Gbps (Type-A)     |
| 5. Wi-Fi / Bluetooth             | 6. HD Audio Connectors              |
| 7. Flash BIOS Button             | 8. HDMI™ 2.1 Port                   |
| 9. USB 3.2 Gen 2 10Gbps (Type-A) | 10. USB 3.2 Gen 2x2 20Gbps (Type-C) |