

MOTHERBOARDS

WIN THE COMPETITION





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 PCle 4.0 x16 slots
	1x PCle 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.

The latest Gen4 PCI-E and M.2 solution with up to 64GB/s

Lightning Gen4 Solution



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 FROZR



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



Wi-Fi 6E



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

AUDIC 80051

- 3. USB 3.2 Gen 2 10Gbps (Type-A)
- 5. Wi-Fi / Bluetooth
- 7. Flash BIOS Button
- 9. USB 3.2 Gen 2 10Gbps (Type-A)

2. 2.5G LAN
4. USB 3.2 Gen 1 5Gbps (Type-A)
6. HD Audio Connectors
8. HDMI[™] 2.1 Port
10. USB 3.2 Gen 2x2 20Gbps (Type-C)