

B760GAMINGPLUSWIFI

MSI B760 Gaming Plus WiFi Intel 12th / 13th Gen Socket LGA 1700 ATX Motherboard

Product Overview

MSI B760 Gaming Plus WiFi Intel 12th / 13th Gen Socket LGA 1700 ATX Motherboard, Intel B760 Chipset, 4x DDR5 DIMM Memory slots, 1x HDMI, 1x DisplayPort, 5x PCI-e x16 slot, 2x M.2 slots, 4x SATA 6G Ports, USB 3.2 Gen1 Type-A, USB 3.2 Gen1 Type-C, USB 3.2 Gen2 Type-A, USB 3.2 Gen2 Type-C, USB 2.0, Realtek RTL8125BG 2.5G LAN, Intel Wi-Fi 6E, Bluetooth, 7.1-channel High Definition Audio, Audio connectors, Keyboard / Mouse, S/PDIF-out





Specifications

Overview:

B760 GAMING PLUS WIFI

- Supports 12th/13th Gen Intel Core, Pentium Gold and Celeron processors for LGA 1700 socket
- Supports DDR5 Memory, Dual Channel DDR5 6800+MHz (OC)
- Enhanced Power Design: 12+1 Duet Rail Power System with P-PAK, 8-pin + 4-pin CPU power connectors, Core Boost, Memory Boost
- Premium Thermal Solution: Extended Heatsink, MOSFET thermal pads rated for 7W/mK, additional choke thermal pads are built for high performance system and non-stop gaming experience
- Lightning Fast Game experience: PCIe 4.0 slot, Lightning Gen 4 x4 M.2 with M.2 Shield Frozr, Turbo USB 3.2 Gen 2 10G
- 2.5G LAN with Wi-Fi 6E Solution: Upgraded network solution for professional and multimedia use. Delivers a secure, stable and fast network connection
- High Quality PCB: 6-layer PCB made by 2oz thickened copper
- Audio Boost: Reward your ears with studio grade sound quality for the most immersive gaming experience

Features:

LIGHTNING GEN 4 PCI-E

Doubling over the previous generation, the bandwidth of a x16 interface can reach 64GB/s.

REINFORCED, HEAVY SOLDERED CONNECTIONS

Secure to the motherboard with extra solder points and support the weight of heavy graphics cards.

FAST AND FUTURE-READY STORAGE

B760 GAMING PLUS WIFI motherboard supports all the latest storage standards, which allows users to connect any ultra-fast storage device. Start games faster, load levels faster and have a real advantage over your enemies.

LATEST DDR5 MEMORY WITH SMT SLOT

A huge step of DDR performance enhancement with the latest DDR5 memory. Combines with dedicated SMT welding process and MSI Memory Boost technology, B760 GAMING PLUS WIFI motherboards are ready to deliver the world class memory performance.

The advanced SMT(Surface Mount Technology) welding process reduces the defect rate of slot solder joints, electromagnetism, and interference. Combining with exclusive Memory Boost technology allows MSI motherboards to deliver the clean and pure high-frequency DDR5 signal.

EASY OVERCLOCKING WITH XMP PROFILE

The XMP (Extreme Memory Profiles) in MSI BIOS are tested and certified by MSI OC LAB. It is easy to enable with auto power settings to get the best memory speed and stability.

Get more from a loaded BIOS designed for ease of use. Fine-tune the motherboard for gaming performance, efficiency, or

overclocking world records!

- XMP Choose from a preset XMP profile and automatically overclock compatible DDR memory.
- VMD (Volume Management Device) Enable direct control and management of NVMe SSDs from the PCIe bus without additional hardware adaptors.
- M-FLASH Conveniently flash or upgrade the BIOS in a few minutes from the CMOS Setup Utility.
- HARDWARE MONITOR Get immediate access to your critical hardware information in real-time including temperature, memory capacity, clock speed, and voltage.
- MEMORY TRY IT Get extreme speed out of your system memory and get more performance.
- SEARCH & FAVORITES A permanent search & favorite option in the top right corner moves you through the BIOS menus quickly.

Exclusive UI of AIDA64 Extreme

MSI motherboards provide 60 days free trial of AIDA64 Extreme - MSI edition. AIDA64 Extreme is an almighty application for system information, diagnostics and benchmarks. With the application, you can monitor the detailed hardware and software information on PC and save it to file in multiple formats such as CSV and HTML.

EXTEND YOUR RGB EXPERIENCE WITH EASE

Add more color if you want! Mystic Light Extension pin header provides an intuitive way to control additional RGB strips and other RGB peripherals added to a system, without needing a separate RGB controller.

HIGH-BANDWIDTH AND LOW-LATENCY NETWORK

MSI's premium network solution provides incredible data transfer speed for demanding users.

- Wi-Fi 6E
- Bluetooth 5.3
- 2.5G LAN

Specifications:

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Specifications	
Product Code	B760GAMINGPLUSWIFI
CHIPSET	INTEL B760
CPU SUPPORT	Supports 12th/13th Gen Intel Core Processors, Pentium Gold and Celeron Processors
	LGA 1700

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Product Specification Sheet

MEMORY	4x DDR5, Maximum Memory Capacity 192GB
	Memory Support DDR5 6800+(OC) / 6600(OC) / 6400(OC) / 6200(OC) / 6000(OC) / 5800(OC) / 5600(JEDEC) / 5400(JEDEC) / 5200(JEDEC) / 5000(JEDEC) / 4800(JEDEC) MHz
	Max. overclocking frequency:
	1DPC 1R Max speed up to 6800+ MHz
	1DPC 2R Max speed up to 6400+ MHz
	2DPC 1R Max speed up to 6000+ MHz
	2DPC 2R Max speed up to 5600+ MHz
	Supports Intel XMP 3.0 OC
	Supports Dual-Controller Dual-Channel mode
	Supports non-ECC, un-buffered memory
ONBOARD GRAPHICS	1x HDMI
	Support HDMI 2.1 with HDR, maximum resolution of 4K 60Hz
	1x DisplayPort
	Support DP 1.4, maximum resolution of 4K 60Hz
	*Available only on processors featuring integrated graphics. Graphics specifications may vary depending on the CPU installed.
EXPANSION SLOT	5x PCI-E x16 slot
	PCI_E1 Gen PCIe 4.0 supports up to x16 (From CPU)
	PCI_E2 Gen PCIe 3.0 supports up to x1 (From Chipset)
	PCI_E3 Gen PCIe 4.0 supports up to x4 (From Chipset)
	PCI_E4 Gen PCIe 3.0 supports up to x1 (From Chipset)
	PCI_E5 Gen PCIe 3.0 supports up to x1 (From Chipset)
STORAGE	2x M.2
	M.2_1 Source (From CPU) supports up to PCIe 4.0 x4, supports 22110/2280/2260/2242 devices
	M.2_2 Source (From Chipset) supports up to PCIe 4.0 x4 / SATA mode, supports 2280/2260/2242 devices
	4x SATA 6G
	* SATA8 will be unavailable when installing M.2 SATA SSD in the M2_2 slot.
RAID	Supports RAID 0, RAID 1, RAID 5 and RAID 10 for SATA storage devices
USB	4x USB 2.0 (Rear)
	4x USB 2.0 (Front)
	2x USB 3.2 Gen1 Type A (Front)
	1x USB 3.2 Gen1 Type C (Front)
	2x USB 3.2 Gen2 Type A (Rear)
	1x USB 3.2 Gen2 Type C (Rear)
LAN	Realtek RTL8125BG 2.5G LAN

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Product Specification Sheet

WIRELESS / BLUETOOTH	Intel Wi-Fi 6E
	The Wireless module is pre-installed in the M.2 (Key-E) slot
	Supports MU-MIMO TX/RX, 2.4GHz / 5GHz / 6GHz* (160MHz) up to 2.4Gbps
	Supports 802.11 a/ b/ g/ n/ ac/ ax
	Supports Bluetooth 5.3, FIPS, FISMA
	* Wi-Fi 6E 6GHz may depend on every country's regulations and will be ready in Windows 11.
	** Bluetooth 5.3 will be ready in Windows 10 build 21H1 and Windows 11.
AUDIO	Realtek ALC897 Codec
	7.1-Channel High Definition Audio
	Supports S/PDIF output
INTERNAL I/O	1x Power Connector(ATX_PWR)
	2x Power Connector(CPU_PWR)
	1x CPU Fan
	1x Pump Fan
	5x System Fan
	2x Front Panel (JFP)
	1x Chassis Intrusion (JCI)
	1x Front Audio (JAUD)
	1x Printer Port (JLPT)
	1x Com Port (JCOM)
	1x TBT connector (JTBT, supports RTD3)
	2x Addressable V2 RGB LED connector (JARGB_V2)
	1x RGB LED connector(JRGB)
	1x TPM pin header(Support TPM 2.0)
	4x USB 2.0 ports
	2x USB 3.2 Gen1 Type A ports
	1x USB 3.2 Gen1 Type C ports
LED FEATURE	4x EZ Debug LED

BACK PANEL PORTS	Keyboard / Mouse
	DisplayPort
	2.5G LAN
	USB 2.0
	Wi-Fi / Bluetooth
	Audio Connectors
	USB 2.0
	HDMI
	USB 3.2 Gen 2 10Gbps (Type-A)
	USB 3.2 Gen 2 10Gbps (Type-C)
	S/PDIF-OUT
OPERATING SYSTEM	Support for Windows 11 64-bit, Windows 10 64-bit
PCB DIMENSION (W x L)	ATX
	243.84mmx304.8mm

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/B760GAMINGPLUSWIFI-MSI-B760-Gaming-Plus-WiFi-Intel-Buy-p-319478.php>

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