

B760MX2-E Motherboard



- Supports 12th/ 13th/ 14th Generation Intel Core[™] Processor
- Intel B760 single chip architecture
- Supports 2-DIMM DDR5 up to 96 GB Memory
- Supports PCIe 4.0
- Supports PCIe 4.0 M.2 (64Gb/s)
- Supports HDMI 4K2K
- Supports USB 3.2 Gen1
- Support WiFi 6 & 6E module (No WiFi card included)
- Support 2.5G LAN

Specification	
CPU SUPPORT	Support for 12 th / 13 th / 14 th Generation Intel Core [™] i9/ i7/ i5/ i3 processors and Intel Pentium processor and Celeron processors in the LGA1700 package * Please refer to www.biostar.com.tw for CPU support list.
MEMORY	Supports Dual Channel DDR5 4800/ 5200(OC)/ 5400(OC)/ 5600(OC)/ 6000+(OC) 2 x DDR5 DIMM Memory Slot, Max Supports up to 96 GB Memory Each DIMM supports non-ECC 8/ 16/ 24/ 32/ 48 GB DDR5 module Support Intel [®] Extreme Memory Profile (XMP) memory modules * Please refer to www.biostar.com.tw for Memory support list.
INTEGRATED VIDEO	Supports DX12 Supports HDCP
STORAGE	Total supports 1 x M.2 socket and 4 x SATA III (6Gb/s) ports Intel B760 Chipset 1 x M.2 (M Key) Socket (M2_PCIEG4_64G_SATA): Supports M.2 Type 2242 /2260 /2280 SSD module Supports PCIe 4.0 x4 (64Gb/s) - NVMe/ AHCI SSD & SATA SSD 4 x SATA III Connector (6Gb/s): Supports AHCI, RAID 0, 1, 5, 10 & Intel [®] Storage Technology
LAN	Intel [®] 8125B 1000/ 1000/ 2500 Mb/s auto negotiation, Half / Full duplex capability
AUDIO	Realtek [®] ALC897 7.1 High Definition Audio
USB	USB 3.2 Gen1 port (2 on rear I/Os and 2 via internal headers) USB 2.0 port (4 on rear I/Os and 4 via internal headers)
PROCESSORS	Processors

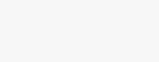
REAR I/O	1 x WIFI Antenna Port 1 x PS/2 Keyboard/ Mouse Port 1 x HDMI 1 x VGA+DVI Port 2 x USB 3.2 (Gen1) port 4 x USB 2.0 port 1 x LAN port 3 x Audio Jack
INTERNAL I/O	4 x SATA III Connector (6Gb/s) 1 x M.2 (E Key) Socket : Supports 2230 type Wi-Fi & Bluetooth module and Intel CNVi 2 x USB 2.0 Header (each header supports 2 USB 2.0 ports) 1 x USB 3.2 (Gen1) Header (each header supports 2 USB 3.2 (Gen1) ports) 1 x 4-Pin Power Connector 1 x 4-Pin Power Connector 1 x CPU Fan Connector 1 x System Fan Connector 1 x Front Panel Header 1 x Front Audio Header 1 x Internal Stereo Speaker Header 1 x Clear CMOS Header 1 x COM Port Header 1 x TPM Header * M.2 (E key) SATA cables not provided
H/W MONITORING	CPU / System Temperature Monitoring CPU / System Fan Monitoring Smart / Manual CPU Fan Control CPU/DDR Voltage Monitoring
DIMENSION	Micro ATX Form Factor Dimension: 20.5cm x 23.6cm (W x L)
OS SUPPORT	Supports Windows 10 (64bit) / 11 (64bit) ※Biostar reserves the right to add or remove support for any OS with or without notice.
BUNDLE SOFTWARE	BullGuard
ACCESSORIES	2 x SATA Cable 1 x I/O Shield 1 x DVD Driver 1 x Quick Guide 1 x M.2 Anchor 1 x WiFi antenna accessories

OVERVIEW

Intel® B760 chipset

With the Intel® B760 chipset and the 12th/13th generation Intel® Core™ i9/ i7/ i5 and Intel® Pentium® processors, you will immediately be at the forefront of the computing field, fueled by mind-blowing power and performance. From gaming to professional work, the Intel B760 chipset provides you with the power and performance you need.

	HD Audio Provides high quality sound with minimal loss of audio fidelity
	HDMI 4K2K The new 4K2K resolution enables high-definition image display with four times the resolution of full HD, 4K2K display is faithfully express bright, highly detailed content that fills the entire screen with lifelike images. Connectivity with PCs via a single HDMI cable for displaying 4K2K data.
	is better than VGA for LCD displays since it is digital while VGA is analog. For LCD displays, the picture is digitized pixel per pixel. Through DVI, the panel gets data for each pixel, so the picture generated in the Graphics device matches the pixels on the panel itself.
	DX12 DirectX 12 introduces the next version of Direct3D, the graphics API at the heart of Direct3D. Direct3D is one of the most critical pieces of a game or game engine, and we've designed it to be faster and more efficient than ever before. Direct3D 12 allows for more scenes, more objects, and full utilization of modern GPU hardware.
	Integrated HDMI with HDCP Onboard HDMI connector allows for video & audio support. It has industry-leading high definition video quality.
	PCIe M.2 PCIe M.2 32Gb/s delivers the highest bandwidth and lower latency. It is 3 times faster compared with PCIe M.2 10Gb/s.
	PCIe 3.0 PCIe 3.0 is the ubiquitous and general purpose PCI Express standard. At 8GT/s bit rate, the interconnect performance bandwidth is double over PCIe 2.0, while preserving compatibility with software and mechanical interfaces.
	SATAIII 6Gbps SATAIII 6Gbps provides a higher bandwidth to retrieve and transfer media. With this super speed data transfer, SATAIII allows an incredible data boost which is faster than the SATA II.
	With 50% higher bandwidth than DDR4, the frequency can be up to 4000MHz. A single memory capacity can reach 48GB. It also supports lower power consumption, which can provide better performance for overclockers.
	General-purpose PCI Express I/O standard. At 16GT/s, the performance bandwidth is doubled over PCIe 3.0, while preserving software and mechanical interfaces.

	PCIe 4.0 M.2 PCIe 4.0 M.2 delivers the highest bandwidth and lower latency. It is 2 times faster compared with PCIe 3.0 M.2.
	USB 3.2 Gen1 Type-A USB 3.2 Gen1 delivers a compelling performance boosts and can be used to connect multiple devices without worrying about compatibility. It is capable of data transfer speeds up to 5Gbps and backwards compatible with all existing USB products.
	Super Durable Solid Caps The best quality solid state capacitors with ultra low ESR design, the Super Durable Solid Caps doubles the lifespan.
	BullGuard Internet Security (90 days FREE trial) BullGuard Internet Security comes with the broadest line-up of internet security features in the market including: a cutting-edge dual Antivirus engine, Online Backup for your precious files, PC Tune Up to speed up your system, a Game Mode for a seamless gaming experience, Parental Control, Firewall, Safe Browsing and many more. Make the most of your digital life with Bullguard!
	2.5Guard 2.5GUARD features 2.5Gbps driving higher data transfer speeds and can strengthen electrical stability and protection against lightning strikes and electrical surges. It's 2.5X improvement than standard Ethernet connections.
	UEFI BIOS Unified Extensible Firmware Interface (UEFI) is a brand new framework that provides a revolutionary interface. It is a modern clear and easy-to-use graphical user interface. The UEFI comes with a colorful easy-to-install icons leads users into the setup layer directly.
	BIO-Flasher BIO-Flasher is a convenient BIOS update tool. Just launch this tool and put the BIOS on USB pen driver before entering the OS. You can update your BIOS with only a few clicks without preparing an additional floppy disk or other complicated utility.
	A.I FAN A.I FAN users can ensure that their gaming PC can maintain its performance cool. According to different cooling needs and usage scenarios, A.I FAN supports multiple speed modes. Allows users to have more customizability of fan speed. A.I FAN automatically detects different temperatures to make fan operate at optimal cooling performance. Furthermore, A.I FAN support multiple fan types for more cooling options.
	RGB LED RGB LED lighting issues going with your board or hardware. The RGB LED lights will inform you on the status of your system during test time effectively.



Smart Update

Biostar Smart Update is a utility that can help users run online update. It can download the drivers for your motherboard from Biostar official website and install them automatically.



HDMI

The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.

*The specification and pictures are subject to change without notice and the package contents may differ by area and motherboard version!



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