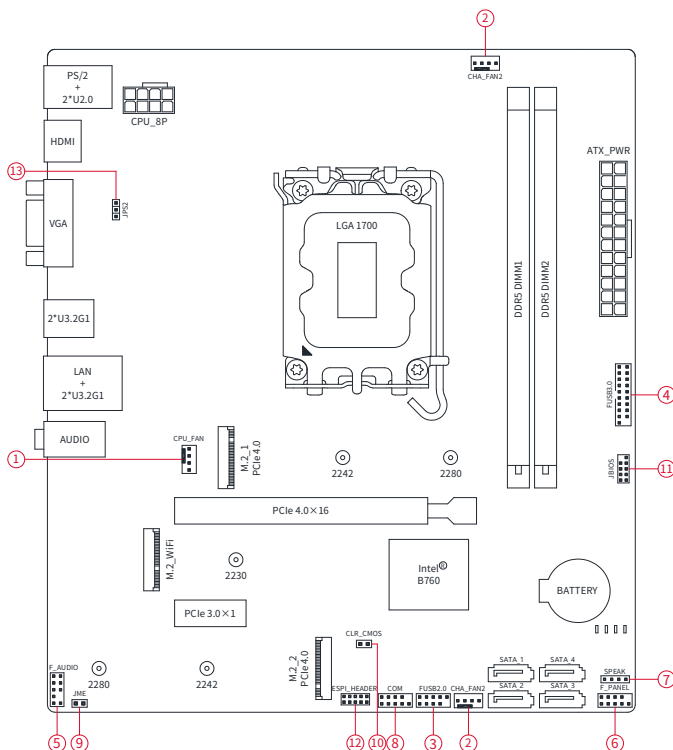


## BATTLE-AX B760M-K D5 V20



### Product Features

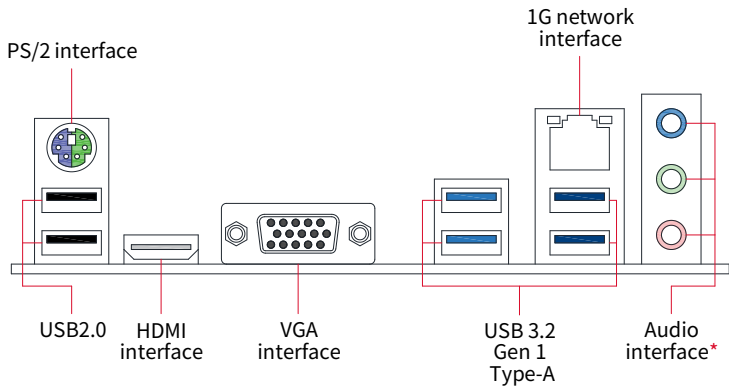
- ✓ Intel B760 chipset, Supports 13th/12th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors.
- ✓ There is 1 PCIe 4.0 x16 slot, 1 PCIe 3.0 x1 slot and 2 M.2 SSD slot on this motherboard, easily meet your expansion needs.
- ✓ There are 6 USB ports at the rear, and 4 USB ports at the front can be expanded, which can be connected to various devices at the same time.
- ✓ With Gigabit LAN and a 5.1-channel audio which provides excellent performance and experience.

## Package Details

Please check if all the standard accessories listed below are complete or not when opening the packaging box of the motherboard.

Motherboard	1× BATTLE-AX B760M-K D5 V20 motherboard
Connecting cable	2× SATA 6Gb/s cable
Other accessories	1× Rear Panel I/O Bezel 1× Motherboard driver installation CD
User manual	1× User manual for motherboard

## Rear I/O Interface



(\*Note: The blue in the audio interface is the audio input, the green is the audio output, and the pink is the microphone interface)

## Hardware Installation

You can scan the QR code on the right to obtain the official quick operation guide for hardware installation provided by Colorful to install it onto your PC quickly.



## Product Specification

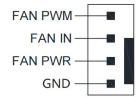
Chipset	Intel® B760
CPU	<p>Supports 13th Gen and 12th Gen Intel Core™, Pentium® and Celeron® processors that fit the LGA 1700 slot of the motherboard</p> <p>*Please visit the official website of Colorful (<a href="http://www.colorful.cn">www.colorful.cn</a>) for the latest supported processor list</p>
Memory	<p>2 DDR5 memory slots, supporting up to 96 GB of memory (a single slot can support a capacity of up to 48 GB)</p> <ul style="list-style-type: none"> <li>•Support DDR5-7200(OC)/7000(OC)/6800(OC)/6600(OC)/6400(OC)/6200(OC)/6000(OC)/5800(OC)/5600(OC)/5400(OC)/5200(OC)/5000(OC)/4800MHz memory</li> <li>•Support Intel® Extreme Memory Profile (XMP) memory technology</li> <li>•Support dual channel memory technology</li> </ul> <p>*Please visit the official website of Colorful (<a href="http://www.colorful.cn">www.colorful.cn</a>) for the latest memory compatibility list</p>
Expansion slots	<p>1×PCIe 4.0 x16 slot</p> <p>1×PCIe 3.0 x1 slot</p>
Storage device interfaces	<p>A total of 2 M.2 slots and 4 SATA 6Gb/s hard disk interfaces are supported</p> <ul style="list-style-type: none"> <li>•M.2_1 slot: support 2242/2280 specifications M.2 SSD (PCIe 4.0 x4, CPU channel)</li> <li>•M.2_2 slot: support 2242/2280 specifications M.2 SSD (PCIe 4.0 x4, PCH channel)</li> </ul>
Rear I/O interfaces	<p>2×USB 2.0 interfaces</p> <p>4×USB 3.2 Gen 1 Type-A interfaces</p> <p>1×HDMI 2.0 interface, up to 4K 60Hz resolution supported</p> <p>1×VGA interface</p> <p>1×PS/2 interface</p> <p>1×Gigabit network interface</p> <p>3×Audio interfaces (audio input/audio output/microphone)</p>
Onboard pin/jumper/key	<p>1×CPU fan pin (CPU_FAN)</p> <p>2×System fan pins (CHA_FAN1、CHA_FAN2)</p> <p>1×Front audio pin (F_AUDIO)</p> <p>1×Front panel pin (F_PANEL)</p> <p>1×Speaker pin (SPEAK)</p> <p>1×COM port pin (COM)</p> <p>1×ME write protection jumper(JME)</p> <p>1×Clear CMOS jumper (CLR_CMOS)</p> <p>1×BIOS burner pin (JBIOS)</p> <p>1×POST card pin (ESPI_HEADER)</p> <p>1×Wake-up control jumper (JPS2)</p>

Front USB expansion interfaces	1×USB 2.0 pin, support additional 2 USB 2.0 Type-A interfaces (FUSB2.0) 1×USB 3.2 Gen 1 pin, support additional 2 USB 3.2 Gen 1 Type-A interfaces (FUSB3.0)
Audio	Realtek ALC897 High fidelity decoding chip •Support up to 5.1 channels
Network function	RTL8111H gigabit LAN controller
Wireless network card and Bluetooth	Motherboard is only equipped with a M.2 WiFi slot, support 2230 specifications, WiFi modules shall be purchased separately
Dimension of motherboard	M-ATX Form Factor 236mm x 207mm

## Pins and Jumpers

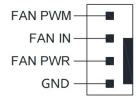
### ① CPU fan pin (CPU\_FAN)

There is one 4-pin CPU fan pin on the motherboard. The socket comes with a foolproof design, and the correct direction must be checked before installation. The cooling fan with a speed control function can reduce the temperature of the CPU and provide cooling function, improve CUP stability.



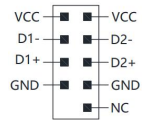
### ② System fan pin (CHA\_FAN1、CHA\_FAN2)

The motherboard provides two 4-pin system fan sockets which has foolproof design and please pay attention to the direction when installing. The cooling fan with the rotating speed control function can lower the temperature in the chassis and help the chassis to dissipate heat.



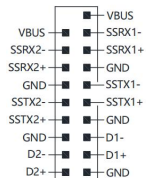
### ③ Front USB 2.0 pin (FUSB2.0)

There is one front USB 2.0 expansion pin on the motherboard, which can be expanded to two USB 2.0 interfaces.



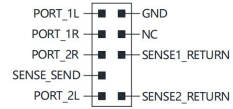
### ④ Front USB 3.2 Gen 1 pin (FUSB3.0)

There is one front USB 3.2 Gen 1 expansion pin on the motherboard, which can be expanded to two USB 3.2 Gen 1 Type-A and it's compatible with USB 2.0 devices.



### ⑤ Front audio pin (F\_AUDIO)

The audio interface on the front panel of the case can be connected to the front audio pin through the audio cable in the case, allowing audio input/output and other functions through the audio interface on the front panel.



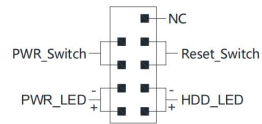
### ⑥ Front panel pin (F\_PANEL)

PWR\_Switch: Power switch, short connect to be power on.

Reset\_Switch: Restart switch, short connect to restart the computer.

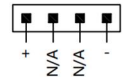
PWR\_LED: Power indicator. The LED will light up when the power is on.

HD\_LED: Hard disk indicator. The LED will light up when the hard disk is accessing data.



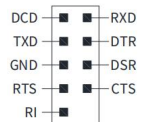
### ⑦ Speaker pin (SPEAK)

Speaker pin can be used to connect speakers located in the case.



### ⑧ COM port pin (COM)

The COM port pin can be used to connect the COM port module. First, connect the data cable of the COM port module to the COM port pin, then fix the module in the vacant slot on the rear panel of the case to connect the COM port device.



### ⑨ ME write protection jumper (JME)

The ME write protection jumper is used to control whether the BIOS firmware can be written. When the ME jumper is short-circuited, the BIOS write protection function is disabled. At this time, the BIOS can be updated.



#### ⑩ Clear CMOS jumper(CLR\_CMOS)

Clear CMOS jumper can be used to clear data in the CMOS memory of the motherboard. In CMOS memory it stores the BIOS setting parameters and is powered by the battery on the main board independently. If you need to clear CMOS data, first turn off the computer and unplug the power cord, insert the jumper cap onto the CMOS pin, and make the two pins short connect the feet for 5 seconds, then pull out the jumper cap, wait for 5 minutes, and then start the computer to enter the BIOS Reset BIOS parameters.



#### ⑪ BIOS burner pin (JBIOS)

BIOS burner pins can be used to upgrade the motherboard BIOS by connecting to the BIOS burner.

#### ⑫ POST card pin (ESPI\_HEADER)

The pin of the diagnosis card can be used to connect the diagnosis card of the main board and analyze the cause of the main board fault according to the code displayed on the diagnosis card

#### ⑬ Wake-up control jumper (JPS2)

The PS/2 wake-up control jumper can control whether the PS/2 interface can use the PS/2 wake-up function in the BIOS. When the motherboard jumper cap is inserted at pin ① and pin ②, the PS/2 wake-up function is in the hardware disabled state, regardless of BIOS cannot be waked up using PS/2 device when it is turned on or off. When the motherboard jumper cap is inserted in pin ② And pin ③, the hardware supports PS/2 wake-up function. Turn on PS/2 wake-up in BIOS, you can use the system wake-up function normally through the PS/2 keyboard and mouse.



## Driver Installation

The motherboard driver installation CD-ROM is included in the package of the motherboard. You can open the driver installation program in the CD-ROM to quickly install the onboard network adapter, sound card, and chipset drivers. You can also visit the official website of Colorful (<http://www.colorful.cn>), search for the product model, and find the corresponding driver in the technical support list to download. The onboard LAN Driver can also be downloaded by scanning the QR code below.



BATTLE-AX B760M-K D5 V20

## BIOS

During computer startup or restart, when the **Press DEL to run Setup** message is displayed on the screen, press <Delete> to enter the BIOS setting.

If the POST program has been executed and you still want to enter the BIOS program, press the <RESET> key on the case to restart the computer or shut down the computer and restart the computer to enter the BIOS program again.



- In normal cases, the default BIOS program Settings can meet the requirements of most scenarios. Do not change the default BIOS Settings unless necessary.
- To learn more about BIOS Settings, scan the QR code on the right to download the official BIOS user manual of Colorful.



---

## Service and Support

Please visit the official website of Colorful, click the Service and Support, or directly scan the QR code on the right, you can check our services, warranty regulations and download support provided by Colorful.



---

## Shenzhen Colorful Yugong Technology Development Co., Ltd.

**Official website:** <https://www.colorful.cn>

**Technical service hotline:** 400-678-5866

**Address:** 13th Floor, Building 1, Shenzhen New Generation Industrial Park, No. 136, Zhong kang Road, Meidu Community, Meilin Street, Futian District, Shenzhen

### Copyright and Notice:

The copyright of this motherboard manual belongs to Colorful. Colorful does not guarantee the complete accuracy of the content of this manual. In case of any ambiguity caused by typographical or language errors, Colorful reserves the right to final interpretation and modification. The trademarks and names mentioned in the manual belong to the companies that have registered legally.