BATTLE-AX B760M-D PRO V20
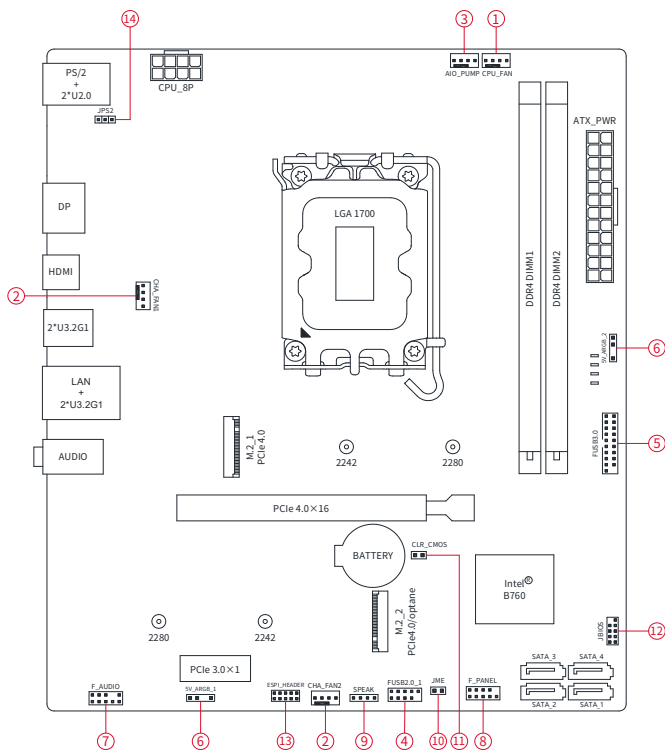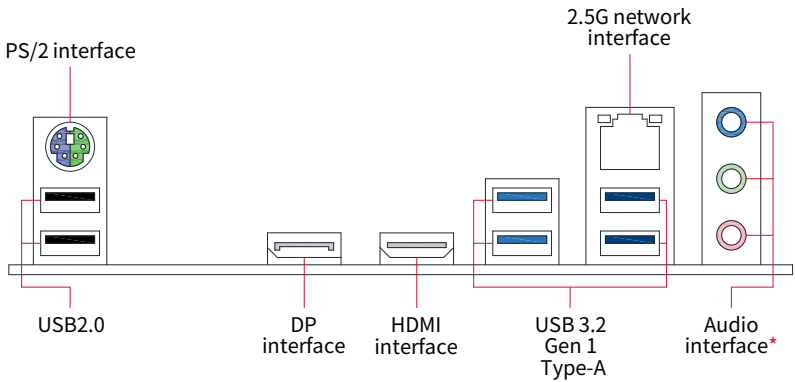

Product Features

- ✓ 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 2.5G LAN and a 5.1-channel audio which provides excellent performance and experience.

Package Details

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

Motherboard	1×BATTLE-AX B760M-D PRO 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

PS/2 interface

2.5G network interface

USB2.0

DP interface

HDMI interface

USB 3.2 Gen 1 Type-A

Audio 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.
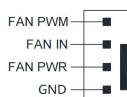
Product Specification

Chipset	Intel® B760
CPU	Supports 13th Gen and 12th Gen Intel Core™, Pentium® and Celeron® processors that fit the LGA 1700 slot of the motherboard *Please visit the official website of Colorful (www.colorful.cn) for the latest supported processor list
Memory	2 DDR4 memory slots, supporting up to 64 GB of memory (a single slot can support a capacity of up to 32 GB) ●Support DDR4-4800(OC)/4600(OC)/4400(OC)/4266(OC)/4000(OC)/3733(OC)/3600(OC)/3466(OC)/3200/3000/2933/2800/2666/2400/2133MHz memory ●Support Intel® Extreme Memory Profile (XMP) memory technology ●Support dual channel memory technology *Please visit the official website of Colorful (www.colorful.cn) for the latest memory compatibility list
Expansion slots	1×PCIe 4.0 x16 slot 1×PCIe 3.0 x1 slot
Storage device interfaces	A total of 2 M.2 slots and 4 SATA 6Gb/s hard disk interfaces are supported ●M.2_1 slot：support 2242/2280 specifications M.2 SSD（PCIe 4.0 x4，CPU channel） ●M.2_2 slot：support 2242/2280 specifications M.2 SSD（PCIe 4.0 x4 / Optane，PCH channel）
Rear I/O interfaces	2×USB 2.0 interfaces 4×USB 3.2 Gen 1 Type-A interfaces 1×HDMI 2.0 interface, up to 4K 60Hz resolution supported 1×DP 1.4 interface, up to 4K 60Hz resolution supported 1×PS/2 interface 1×2.5G network interface 3×audio interfaces (audio input/audio output/microphone)
Onboard pin/jumper/key	1×CPU fan pin (CPU_FAN) 2×system fan pins (CHA_FAN1、CHA_FAN2) 1×Water cooling pump pin (AIO_PUMP) 2×5V 3-pin ARGB pins (5V_ARGB_1、5V_ARGB_2) 1×front audio pin (F_AUDIO) 1×front panel pin (F_PANEL) 1×speaker pin (SPEAK) 1×ME write protection jumper(JME) 1×Clear CMOS jumper (CLR_CMOS) 1×BIOS burner pin (JBIOS) 1×POST card pin （ESPI_HEADER) 1×Wake-up control jumper (JPS2)

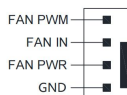| Front USB expansion interfaces	1×USB 2.0 pin, support additional 2 USB 2.0 Type-A interfaces (FUSB2.0_1)
	1×USB 3.2 Gen 1 pin, support additional 2 USB 3.2 Gen 1 Type-A interfaces (FUSB3.0)
Audio	Realtek ALC897 High fidelity decoding chip
	●Support up to 5.1 channels
Network function	RTL8125 2.5G LAN controller
Dimension of motherboard	M-ATX Form Factor
	240mm 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.
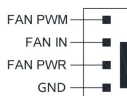
FAN PWM
FAN IN
FAN PWR
GND

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.
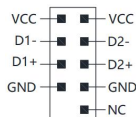
FAN PWM
FAN IN
FAN PWR
GND

③ Water cooling pump pin (AIO_PUMP)

There is one 4-pin water cooling pump pin on the motherboard. The socket comes with a foolproof design, and the correct direction must be checked before installation. This pin is used to connect the power connector of an integrated water-cooling CPU radiator water pump.
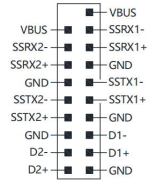
FAN PWM
FAN IN
FAN PWR
GND

④ Front USB 2.0 pin (FUSB2.0_1)

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

VCC — VCC
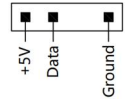D1- — D2-
D1+ — D2+
GND — GND
— NC

⑤ **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.
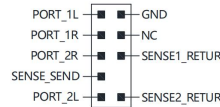
```
                    VBUS
VBUS            SSRX1-
SSRX2-          SSRX1+
SSRX2+          GND
GND             SSTX1-
SSTX2-          SSTX1+
SSTX2+          GND
GND             D1-
D2-             D1+
D2+             GND
```

⑥ **5V ARGB pin (5V_ARGB1、5V_ARGB2)**

There are two 5V 3-in ARGB pins on the motherboard, which are used for connecting 5V ARGB devices.

+5V　Data　Ground

⑦ **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.
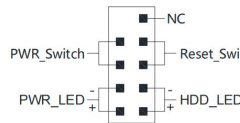
```
PORT_1L        GND
PORT_1R        NC
PORT_2R        SENSE1_RETUR
SENSE_SEND
PORT_2L        SENSE2_RETUR
```

⑧ **Front panel pin (F_PANEL)**

PWR_Switch：Power switch，short connect to be power on.
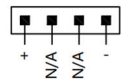Reset_Switch：Restart switch, short connect to restart the computer.
PWR_LED：Power indicator.The LED will light up when the power is on.
HD_LED：Hard disk indicator. The LED will light up when the hard disk is accessing data.

```
                    NC
PWR_Switch         Reset_Swi
PWR_LED            HDD_LED
```

⑨ **Speaker pin (SPEAK)**

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

+　N/A　N/A　-

⑩ **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

⑪ 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.

⑫ BIOS burner pin (JBIOS)

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

⑬ 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

⑭ 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.

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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

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