



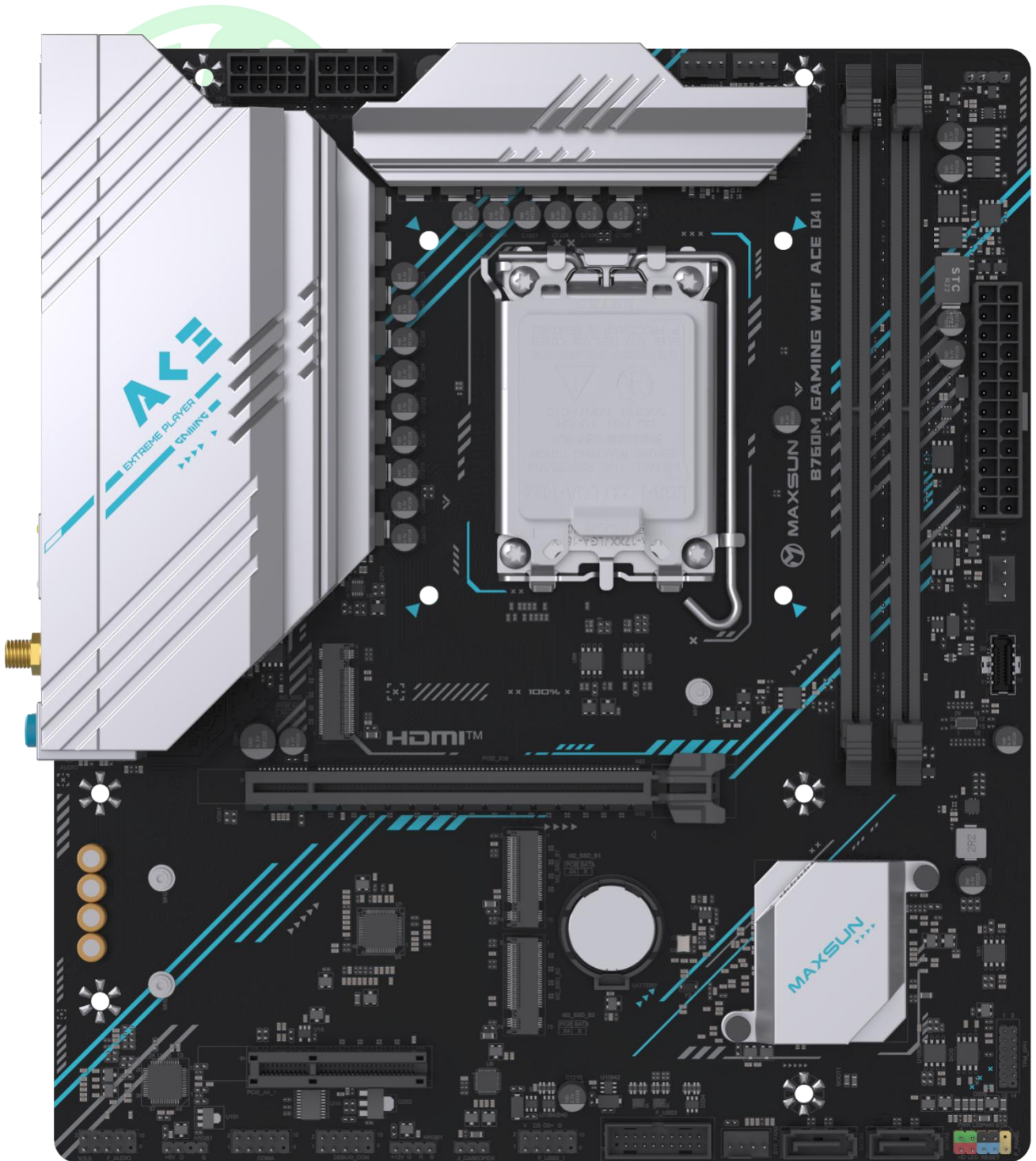
MS-B760M GAMING WIFI ACE D4 II

Specification

VER:A0

Edit time: 2025/3/24

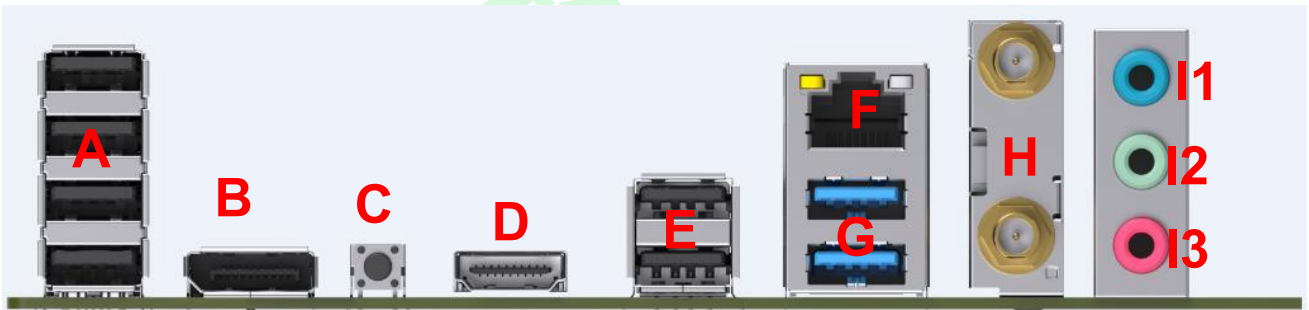
Global Sales & Marketing Division



(This drawing is for reference only, some details will be adjusted according to the actual situation, please refer to the actual design, our company reserves the right to explain)

Model Name	MS-B760M GAMING WIFI ACE D4 II
Form Factor	M-ATX(245*215mm)
CPU	Supports LGA1700 socket for 12th, 13th, and 14th Generation processors TDP: PL1:200W (12+1+1 phase) PL2:253W
Chipset	Intel®B760 high-speed chipset
Memory(RAM)	2* DIMM DDR4 slots Supports up to 64GB Supports dual-channel memory technology Supports OC up to 3200MHZ
Display Port	Based on the display capabilities of processors with integrated graphics, it utilizes shared display memory technology 1*HDMI™ port, supports up to 2560×1440@60Hz resolution 1*DP port, supports up to 3840×2160@30Hz resolution
Extended Slot	1* PCIEX16 5.0 slot, 1* PCIEX4 3.0 slot Supports AMD, NVIDIA, and Intel discrete graphics cards Supports PCIe Resizable BAR technology
Audio	Integrated ALC897 audio codec Supports simultaneous output of front and rear channels Rear audio interfaces: 1*rear on-board LINE IN interface, 1*rear on-board LINE OUT interface, 1*rear on-board MIC_IN microphone interface F_AUDIO pins: 1*set of front microphone pins, 1*set of front audio output pins (These two pins form the F_AUDIO pin group).
Network	Integrated 1X Realtek RTL8125BG 2500Mbps Ethernet on-board RJ45 port 1*AX 101 Wi-Fi card Supports Wake-on-LAN Supports PXE diskless, UEFI diskless boot
Storage	3* M.2 PCIE x4.0 slot (supports 2242/2280 PCIE X4/X2 channel SSD only) 2* SATA3.0 ports
USB	Rear: 2*USB3 (5G) , 6* USB2.0 Front: 1*USB-C (10G) pin, 1*set of USB3 (5G) pin, 1*set of USB 2.0 pin.
In-board Pin connection	1* ATX 24PIN power connector 2* ATX 12V 8PIN power connector, 12V input 1* COM_A pin 2*sets of system fan pins, 1*set of CPU fan pins, 1*set of PUMP fan pins (All except the PUMP pins support smart fan speed control) 1* CLR_CMOS button 1* Debug pin 1* 12V NRGB pin, 2* 5V ARGB pin 1* set of chassis front control panel pins (F_PANEL)
Hardware	Voltage monitoring

monitoring	Temperature monitoring Fan monitoring Intelligent fan speed control (supported by motherboard, intelligent fan speed control also requires fan support)
Operating system	Supports Windows10 64bit, Windows11 64bit, Ubuntu 64bit
ESD protection	Air discharge ± 8KV Class C ±6KV Class B Contact discharge ± 6KV Class C ± 3KV Class B *Tested with the whole machine well grounded
Package dimensions and weight	Net weight: 706.8 g Gross weight: 1031.5 g Outer box size: 510*302*347 mm FLC weight: 11.5 kg



A: Dual layer USB3.2 GEN1 interface

Up to support theoretical 5Gb speed transmission, backward compatible with USB1.1, USB2.0 standards, for connecting USB TYPE A devices.

B: DP port

Supports up to 3840×2160@30Hz resolution for connecting to a monitor.

C: CLR_CMOS button

To restore the default BIOS initialization Settings of the mainboard, clear the BIOS function Settings with one click.

D: HDMI interface

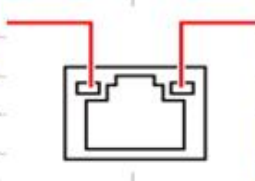
Support the highest resolution of 2560*1440@60Hz (HDMI1.4 version) for connecting to a monitor.

E: Dual layer USB2.0 TYPE A interface

It supports the USB2.0 standard and is backward compatible with the USB1.1 standard. It is used to connect USB TYPE A devices.

F: RJ45 interface

Ethernet port which is used to connect an Ethernet cable and link the host system to a network, with a maximum bandwidth of 2500Mbps.

Activity Link LED			Speed LED	
Status	Description		Status	Description
Off	No link		Off	10Mbps connection
Yellow	Linked		Green	100Mbps connection
Blinking	Data activity		Orange	1000Mbps/2.5Gbps connection

G: Dual-layer USB 3.2 Gen 1 interface

Supports up to a theoretical 5Gbps data transfer speed, backward compatible with USB 1.1 standard, and used for connecting USB devices.

H: WI-FI antenna interface (external screw and internal pin)

Male connector for WI-FI wireless network card antenna. On-board AX101 WI-FI6 wireless network card allows the installation of the included WIFI antenna to this interface.

I1: Audio-in interface (blue)

Used to receive audio input from devices such as mobile phones.

I2: Audio-out interface (light green)

Used to access audio output devices, such as headphones, speakers and other external devices.

I3: Audio-Microphone (pink)

It is used to access audio input devices such as microphones.

MS-B760M GAMING WIFI ACE D4 II

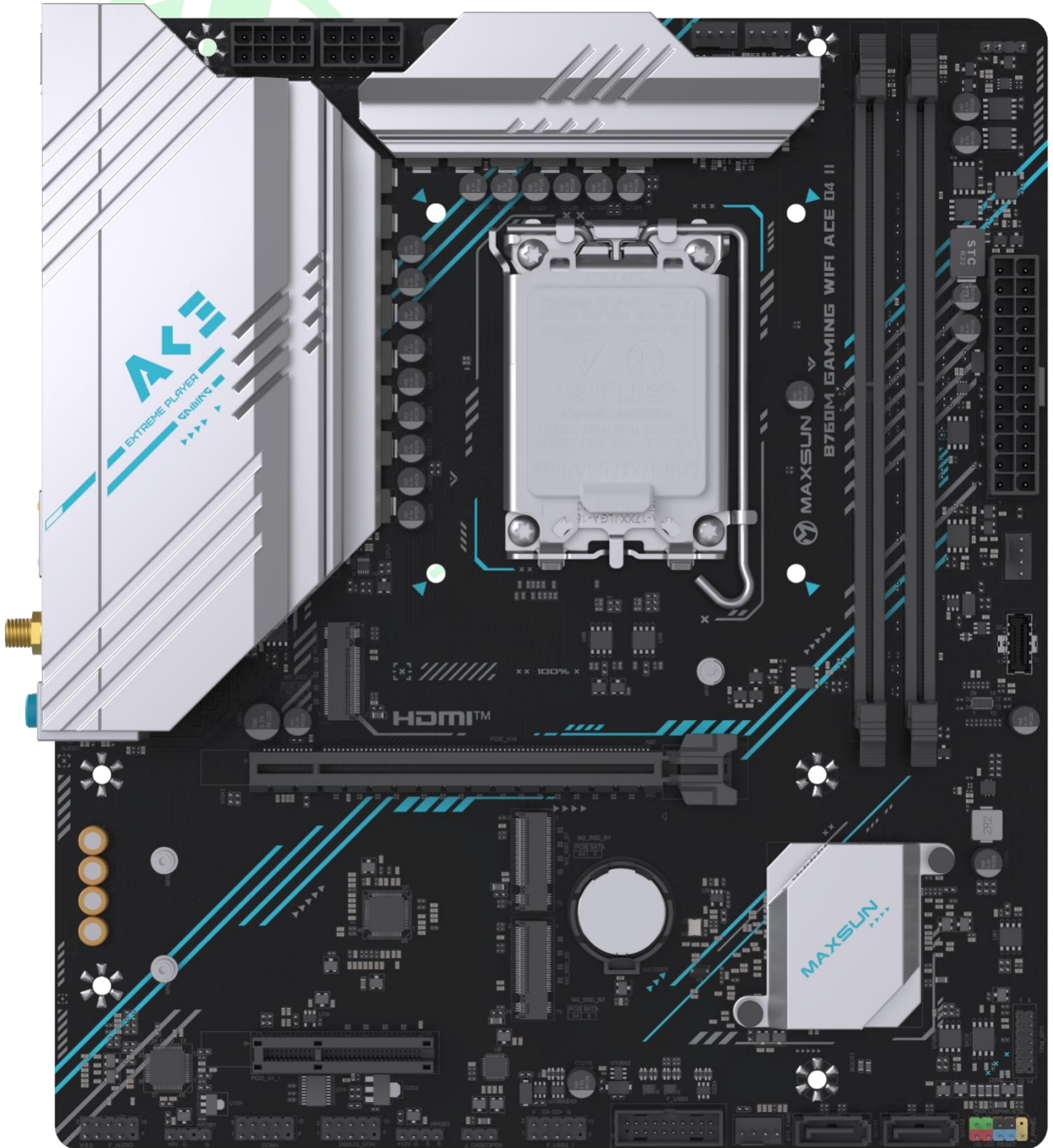
规格书

VER:A0

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第一章 主板配置图



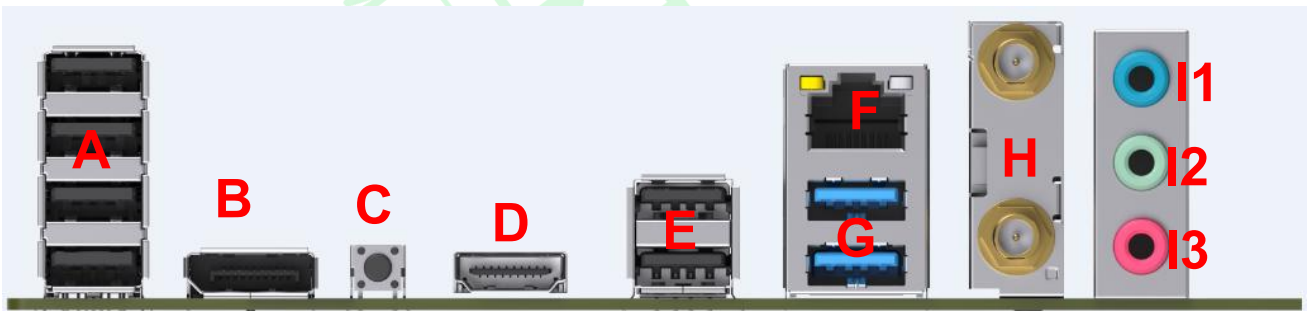
(此图仅供参考，部分细节会根据实际情况设计调整，请以实物为准，我司保留解释权)

第二章 规格

2.1、主板硬件规格

主板尺寸	MicroATX(245*215mm)
CPU	支持 LGA1700 插槽 第 12 代处理器、第 13 代处理器、第 14 代处理器 TDP: PL1:200W (12+1+1 项) PL2:253W
芯片组	Intel®B760 高速芯片组
内存	2 个 DIMM DDR4 内存槽 最高支持共 64GB 支持双通道内存技术 支持 3200MHZ/OCMemeroy 内存频率
显示	基于具备集成显卡处理器的显示功能, 采用共享显示内存技术 1 个 HDMI 接口, 最高支持 2560*1440@60Hz 分辨率 (HDMI1.4 版本) 1 个 DP 接口, 最高支持 3840*2160@30Hz 分辨率 (DP1.2 版本)
扩展接口	1 个 PCIEX16 5.0 插槽, 1 个 PCIEX4 3.0 插槽 支持 AMD 和 NVidia 和 INTEL 独立显卡 支持 PCIe resizable bar 技术
音频	集成 ALC897 声卡芯片 支持前后声道同时输出 后置音频接口: 1 个后置板载 LINE IN 接口, 1 个后置板载 LINE OUT 接口, 一个后置板载 MIC_IN 麦克风接口 F_AUDIO 插针: 1 组前置麦克风插针, 1 组前置音频输出插针 (此 2 个插针为 F_Audio 插针组)
网络	集成 1X Realtek RTL8125BG 2500Mb Ethernet 板载 RJ45 接口 1 个 AX 101 无线网卡 支持网络唤醒 支持 PXE 无盘、UEFI 无盘引导
存储	3 个 M.2 4.0 插槽 (支持 2242/2280 PCIE X4/X2 通道 SSD) 2 个 SATA3.0 接口
USB	板载后置接口: 2 个 USB3.2 GEN1 接口, 6 个 USB2.0 接口 板内插针: 1 组 (2 个) USB2.0 插针, 1 组 (2 个) USB3.2 GEN1 插针, 1 x USB 3.2 Gen2 Type-C (10G) 前置接口
板内插座	1 个 24PIN 主板 ATX 供电接口 2 个 8PIN 主板 ATX 12V 供电接口, 12V 输入 1 个 COM_A 插针 2 组系统风扇插针、1 组 CPU 风扇插针、1 组 PUMP 风扇插针 (除 PUMP 插针外都支持智能风扇调节) 1 组 CLR_CMOS 按钮

	1 个 Debug 插针 1 个 12V NRGB 插针, 2 个 5V ARGB 插针 1 组机箱前置控制面板插针 (F_PANEL)
硬件监控	电压监测 温度监测 风扇监测 智能风扇控速 (主板已作支持, 智能风扇控速也需风扇支持)
操作系统	支持 Windows10 64bit, Windows11 64bit 支持 Ubuntu 64bit
ESD 防护	空气放电 ± 8KV C 级 ± 6KV B 级 接触放电 ± 6KV C 级 ± 3KV B 级 *整机接地良好的情况下测试
包装尺寸及重量	单板重量: 706.8g 单片彩包重量: 1031.5g 外箱尺寸: 510*302*347mm 整箱重量: 11.5kg



A: 双层 USB3.2 GEN1 接口

最高支持理论 5Gb 速度传输, 可向下兼容 USB1.1 标准, 用于连接 USB 设备。

B: DP 接口

最高支持 3840*2160@30Hz 分辨率, 用于连接显示器。

C: CLR_CMOS 按钮

一键清除主板 BIOS 功能设置, 还原主板 BIOS 默认初始化设置。

D: HDMI 接口

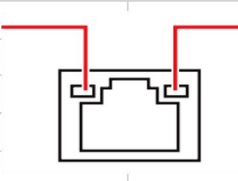
最高支持 2560*1440@60Hz 分辨率 (HDMI1.4 版本), 用于连接显示器。

E: 双层 USB2.0 TYPE A 接口

最高支持 USB2.0 标准, 可向下兼容 USB1.1 标准。用于连接 USB 设备。

F: RJ45 接口

网线接口, 用于接入网线将主机系统链接到网络, 最高带宽 2500Mbps。

运行指示灯			速度指示灯	
状态	描述		状态	描述
关闭	无链接		关闭	10Mbps 连接
黄色	已链接		绿色	100Mbps 连接
闪烁	数据传输		橙色	1000Mbps/2.5Gbps 连接

G: 双层 USB3.2 GEN1 接口

最高支持理论 5Gb 速度传输，可向下兼容 USB1.1 标准,用于连接 USB 设备。

H: WI-FI 天线接口（外螺内针）

WI-FI 无线网卡天线公头接口，板载 AX101 WI-FI6 无线网卡，可将随赠 WIFI 天线安装至此处。

I1: LINE IN 接口(蓝色)

用于接收音频输入设备，如手机音频输入。

I2: Audio-out 接口（浅绿色）

用于接入音频输出设备，如耳机、音箱等外放设备。

I3: Audio-麦克风接口（粉红色）

用于接入音频输入设备，如麦克风等收音设备。