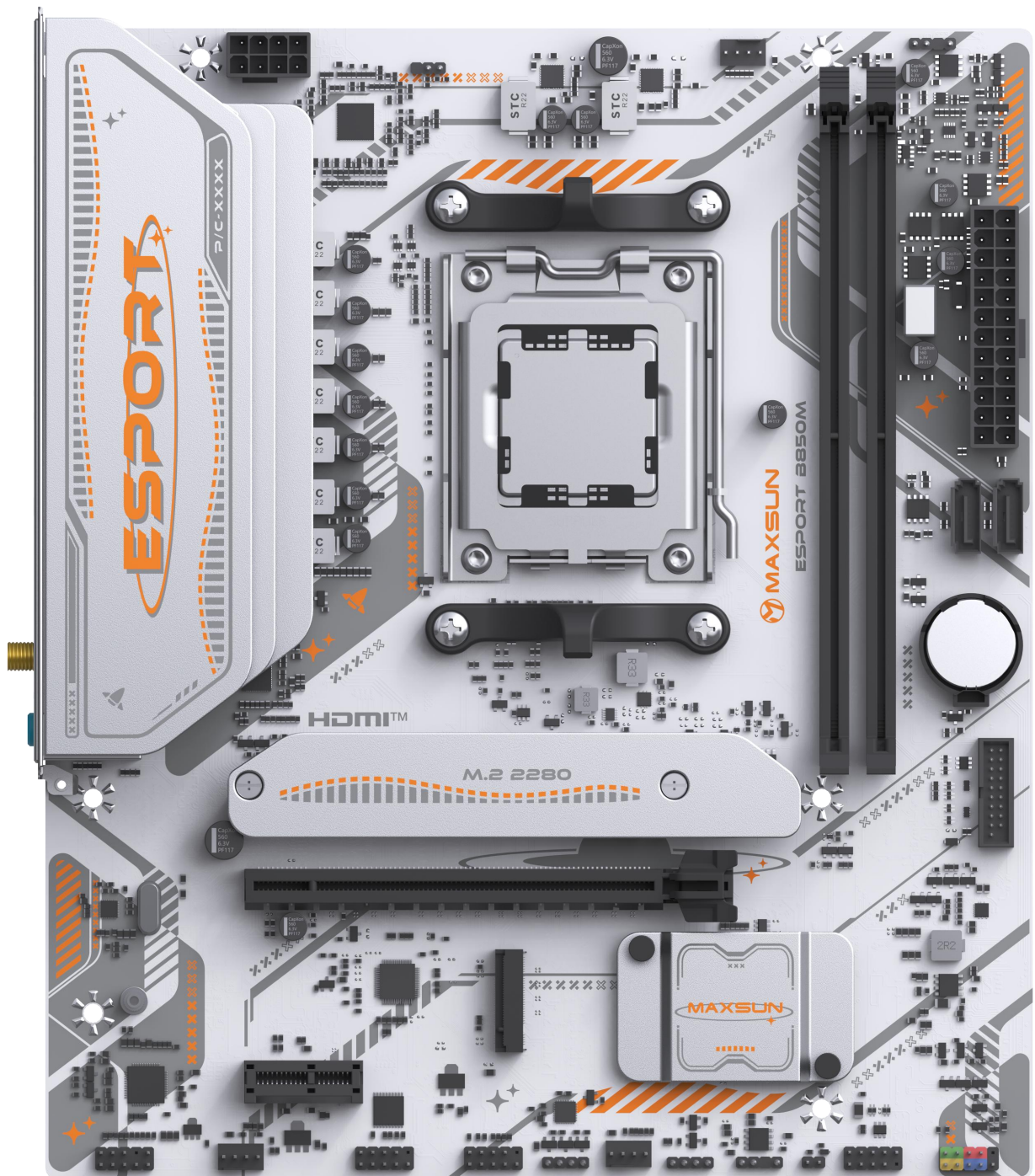

MS-eSport B850M WIFI ICE

Specification

VER:V0

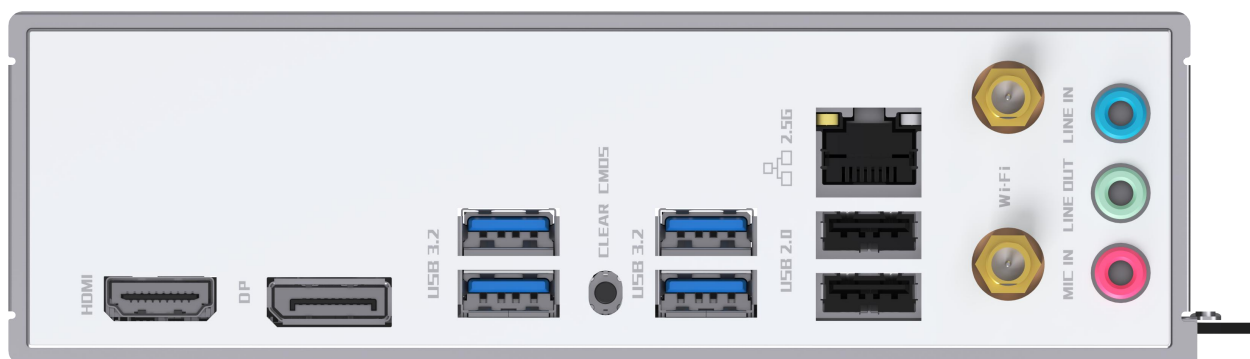
Edit time : 2026/1/5



(This image is for reference only. Some details may be adjusted according to the actual situation. Please refer to the actual product. Our company reserves the right of interpretation)

Form Factor	MicroATX(245*210mm)
CPU	Supports AM5 slots Ryzen7000, 8000, 9000 series processors TDP : 88-180W
Chipset	AMD®B850
Memory	Two U-DIMM DDR5 memory slots A maximum of 96GB is supported Supports dual-channel memory technology Support 4800/5200/5600(OC)/6000(OC)/6200(OC)/6400(OC)/6600(OC)/6800(OC)/7000(OC)/7200(OC)/7400(OC)/7600(OC)/7800(OC)/8000(OC)/OC+Mhz Memory frequency
Graphics	Based on the display function of integrated graphics card processor, it adopts the shared display memory technology 1* HDMI1.4 port, the maximum resolution of 4096x2160@30Hz One DP interface with a maximum resolution of 4096x2160@60Hz
Pcie	One PCIEX16 5.0 slot One PCIEX1 3.0 slot Supports AMD/Nvidia/intel independent graphics cards
Audio	Integrated REALTEK ALC897 sound card chip Support simultaneous output of front and rear channels (need to be set in the HD audio controller) The rear is equipped with 3 audio interfaces: 1 rear onboard LINE IN interface, 1 rear onboard LINE OUT interface, and 1 rear onboard MIC_IN microphone interface. F_AUDIO pins: 1 set of front microphone pins, 1 set of front audio output pins (These two pins are F_Audio pins) One set of 4-pin horn Buzzer pins
Network	Integrated REALTEK8111H NIC chip (10/100/1000Mbit) Onboard Realtek 8852BE WiFi6 wireless network card with Bluetooth 5.2 support 1* on-board RJ45 port One onboard M.2 E-Key PCI-E 2230 WIFI NIC port Support network wake up Supports PXE diskless boot and UEFI diskless boot
Storage	1* M.2 slot (2242/2280 PCIE 5.0 X4/X2 channel SSD only) 1* M.2 slot (2242/2280 PCIE 4.0 X4/X2 channel SSD only) 2* SATA3.0 ports
USB	Front: 2*USB 2.0, 2*USB 5G Rear: 4 USB 5G, 2 USB 2.0
In board socket	1* 24PIN motherboard ATX power supply port One 8PIN motherboard ATX 12V power port with 12V input Two sets of system fan pins and one set of CPU fan pins 1 set of front control panel pins (F_PANEL)
Hardware monitoring	Voltage monitoring Temperature monitoring Fan monitoring

	Intelligent fan speed control (motherboard has been supported, intelligent fan speed control also needs fan support)
Operating system	Supports Windows10 64bit and Windows11 64bit Support Ubuntu 64bit
ESD Protection	Air discharge $\pm 8KV$ Class C $\pm 6KV$ Class B Contact discharge $\pm 6KV$ Class C $\pm 3KV$ Class B * Test when the whole machine is well grounded
Others	One rear CLR_CMOS button TPM pins COM_A Pin



HDMI interface

Support the highest resolution of 4096x2160@30Hz, can support audio and image output at the same time.

DP interface

Support the highest resolution of 4096x2160@60Hz, can support audio and image output at the same time.

Dual layer USB 5G interface

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

CLR_CMOS button

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

Dual layer USB 5G interface

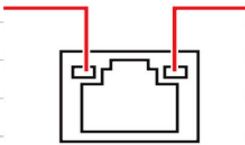
Up to support theoretical 5Gb speed transmission, backward compatible with USB1.1, USB2.0 standards, for connecting USB TYPE A devices.

Double-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.

RJ45 Network cable port, used to access the network cable to connect the host system to the network, the maximum bandwidth of 1000Mbps.

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

WIFI interface

The Realtek 8852BE WiFi6 wireless NIC is integrated with the WIFI interface, which supports Bluetooth 5.2. You need to install the correct driver to use the wifi interface. .

Audio-in interface (blue)

Used to receive audio input devices, such as mobile phone audio input.

Audio-out interface (light green)

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

Audio- Microphone interface (pink)

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

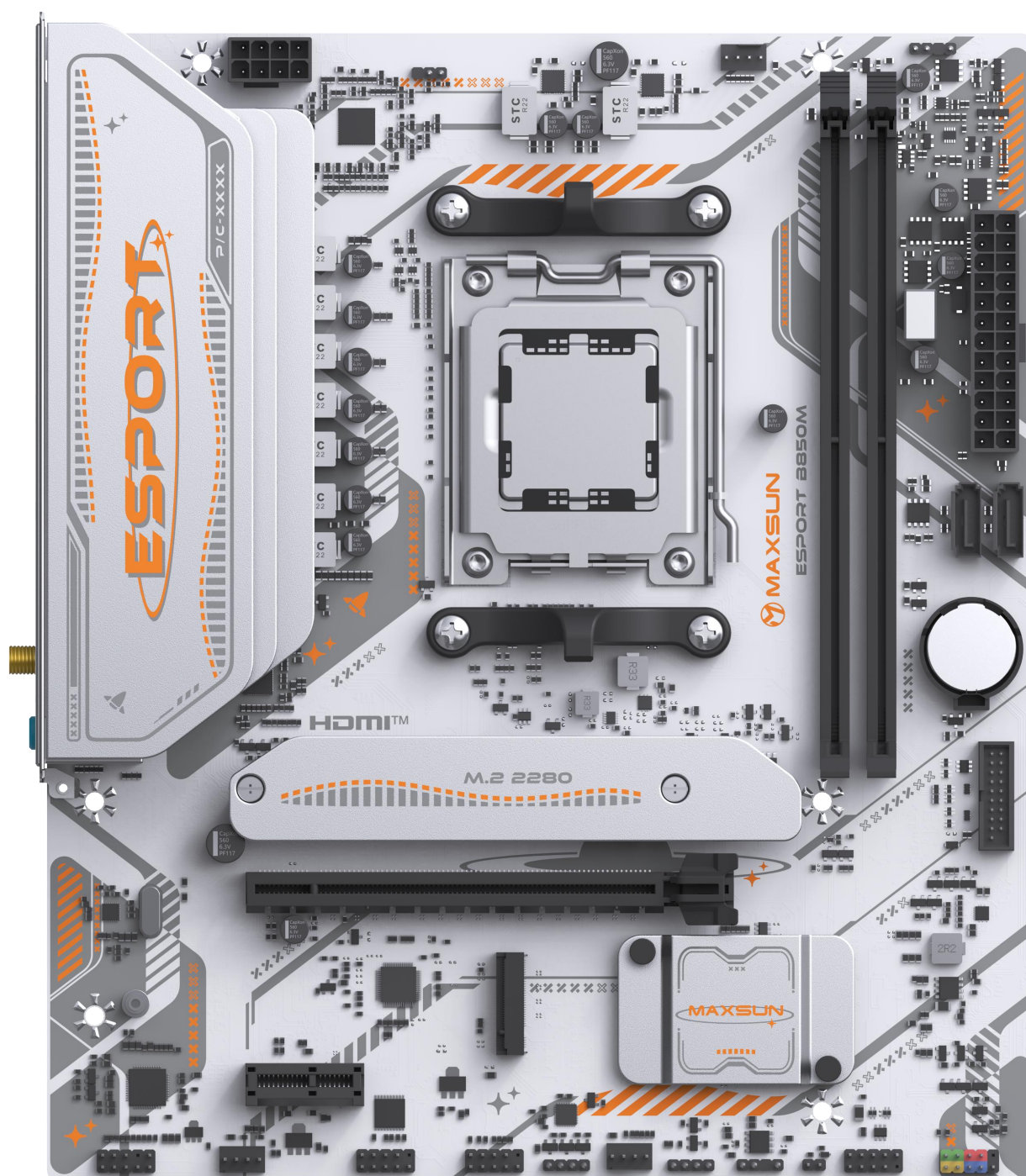
MS-eSport B850M WIFI ICE

规格书

VER:V0.2

编辑时间：2024 年 1 月 5 日
编辑部门：商科集团产品部

第一章 主板配置图



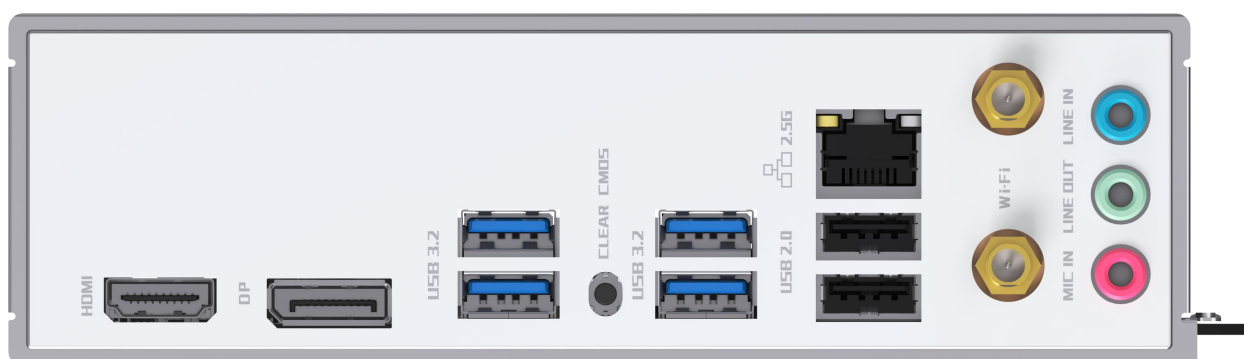
(此图仅供参考，部分细节会根据实际情况设计调整，请以实物为准，我司保留解释权)

第二章 规格

2.1、主板硬件规格

主板尺寸	MicroATX(245*210mm)
CPU	支持 AM5 插槽 Ryzen7000/8000/9000 系列处理器 TDP: 88-180W
芯片组	AMD®B850 高速芯片组
内存	2 个 U-DIMM DDR5 内存槽 最高支持共 96GB 支持双通道内存技术 支持 4800/5200/5600(OC)/6000(OC)/6200(OC)/6400(OC)/6600(OC)/6800(OC)/ 7000(OC)/7200(OC)/7400(OC)/7600(OC)/7800(OC)/8000(OC)/OC+Mhz 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 HDMI1.4 接口，最高支持 4096x2160@30Hz 分辨率 1 个 DP 接口，最高支持 4096x2160@60Hz 分辨率
扩展接口	1 个 PCIEX16 5.0 插槽 1 个 PCIEX1 3.0 插槽 支持 AMD/Nvidia/intel 独立显卡
音频	集成 REALTEK ALC897 声卡芯片 支持前后声道同时输出（需要高清音频控制器中设置） 后置配备 3 个音频接口：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） 1 组 4pin 喇叭 Buzzer 插针
网络	集成 REALTEK8111H 网卡芯片(10/100/1000Mbit) 板载 Realtek 8852BE WiFi6 无线网卡，支持蓝牙 5.2 1 个板载 RJ45 接口 1 个板载 M.2 E-Key PCI-E 2230 WIFI 网卡接口 支持网络唤醒 支持 PXE 无盘、UEFI 无盘引导
存储	1 个 M.2 插槽（仅支持 2242/2280 PCIE 5.0 X4/X2 通道 SSD） 1 个 M.2 插槽（仅支持 2242/2280 PCIE 4.0 X4/X2 通道 SSD） 2 个 SATA3.0 接口
USB	板载后置接口：4 个 USB 5G 接口，2 个 USB2.0 接口 板内插针：1 组（2 个）USB2.0 插针，1 组（2 个）USB 5G 插针
板内插座	1 个 24PIN 主板 ATX 供电接口 1 个 8PIN 主板 ATX 12V 供电接口，12V 输入 2 组系统风扇插针、1 组 CPU 风扇插针

	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
其他	后置 CLR_CMOS 按钮 1 个 TPM 插针 1 组 COM_A 插针 1 组 5V ARGB 插针 2 组 12V NRGB 插针 1 组



HDMI 接口

最高支持 4096x2160@30Hz 分辨率，可支持声像同时输出。

DP 接口

最高支持 4096x2160@60Hz 分辨率，可支持声像同时输出。

双层 USB 5G 接口

最高支持理论 5Gb 速度传输，可向下兼容 USB1.1、USB2.0 标准,用于连接 USB TYPE A 设备。

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。

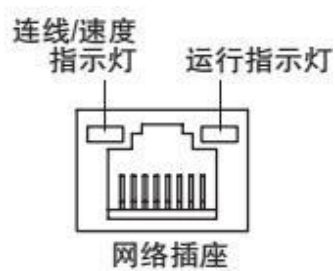
双层 USB 5G 接口

最高支持理论 5Gb 速度传输，可向下兼容 USB1.1、USB2.0 标准,用于连接 USB TYPE A 设备。

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 TYPE A 设备。

RJ45 网线接口，用于接入网线将主机系统连接到网络，最高带宽 1000Mbps。



连接带宽指示灯	
带宽	灯状态
无连接	灭
10Mbps	绿色常亮
100Mbps	绿色常亮
1000Mbps	橙色常亮

运行指示灯	
无数据传输	灭
数据传输中	闪烁

WIFI 接口

WIFI 接口内部集成了 Realtek 8852BE WiFi6 无线网卡，支持蓝牙 5.2，需要正确安装相应的驱动程序才能正常使用。.

Audio-in 接口(蓝色)

用于接收音频输入设备，如手机音频输入。

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。

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。