

MS-Terminator B860M-E

Specification

VER:A0

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Chapter I Motherboard configuration diagram

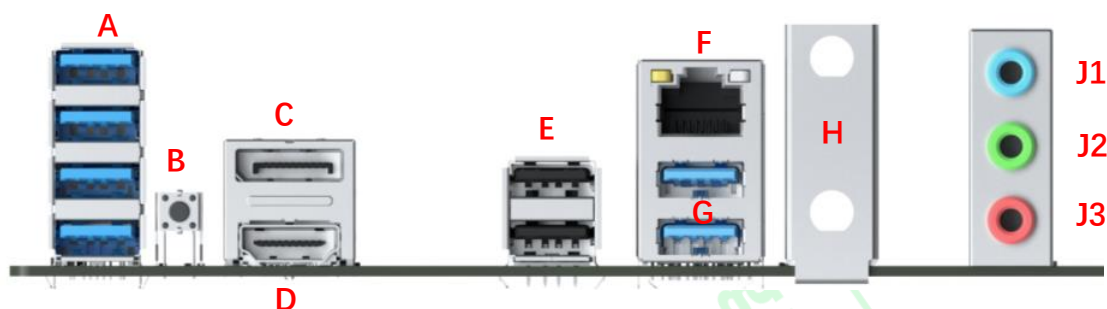


(This picture is for reference only. Some details may be designed and adjusted according to the actual situation. Please refer to the actual product. Our company reserves the right of interpretation)

Chapter II Specifications

Model name	MS-Terminator B860M-E
Form factor	M-ATX(245x 245mm)
CPU	Supports LGA1851 slot Ultra 200 series processors Intel default: PL1:125W PL2:250W 56s Maxsun default (BIOS default Settings) : PL1:200W PL2:250W 56s Performance: PL1:250W PL2:300W 8s
Chipset	Intel®B860
Memory	4 DIMM DDR5 memory slots (please insert the second and fourth slots first) The maximum supported capacity is 256GB Support dual-channel memory technology Supports 8600(OC)/ 8400(OC)/ 8200(OC)/7600(OC)/ /7200(OC)/ 6800(OC)/ 6400(OC) /6000(OC)/ 5600(OC)/4800/OC+ MHz. ECC Memory is not supported
Graphics	Based on the display function with an integrated graphics card processor, the shared display memory technology is adopted 1 HDMI2.0 interface, up to 4096x2160@60Hz resolution supported 1 DP 1.2 interface, up to 4096x2160@60Hz resolution supported
Expansion slot	One PCIeX16 5.0 slot One PCIeX4 4.0 slot Supports AMD, NVIDIA and INTEL discrete graphics cards
Audio	Integrate the REALTEK ALC1220 sound card chip Support simultaneous output of front and rear channels (requires setting in the high-definition audio controller) It is equipped with 3 audio interfaces at the rear: One rear on-board LINE IN interface One rear on-board LINE OUT interface One rear on-board MIC_IN microphone interface F_AUDIO pins: 1 set of front microphone pins and 1 set of front audio output pins (these 2 pins are the F_Audio pin group) One group of 3-pin SPDIF pins
Network	One on-board RJ45 interface, integrated with REALTEK 8125D network card chip (10/100/1000/2500Mbit) Supports PXE diskless and UEFI diskless booting 1 M.2 WIFI slot, supporting PCIe and CNVI type wifi modules
Storage	2* M.2 slots (M2_SSD_B/C supports 2242/2280/22110 PCIe X4/X2 Gen4 channel SSDS) 1* M.2 slot (M2_SSD_A supports 2242/2280/ PCIe X4/X2 Gen5 channel SSDS) 4* SATA3.0
USB	Rear: 4* USB 10G 2* USB 5G 2* USB 2.0 Front:

	1* USB 20G (USB-C) 2* USB 5G 2* USB 2.0
On board connectors	One 24-pin motherboard ATX power supply interface Two 8-pin motherboard ATX 12V power supply interfaces, 12V input Two sets of system fan pins, one set of CPU fan pins, and one set of Pump pins 1 group of chassis front control panel pins (F_PANEL)
Hardware monitoring	Voltage monitoring Temperature monitoring Fan monitoring Smart fan speed control (The motherboard already supports it. Smart fan speed control also requires fan support.)
OS	Supports Windows10 64bit, Windows11 64bit, Ubuntu 64bit
ESD protection	Air discharge $\pm 8KV$, Class C $\pm 6KV$ Class B Contact discharge $\pm 6KV$ C class $\pm 3KV$ Class B Test under the condition that the entire machine is well grounded
Others	Two 3-pin anti-foolproof 5V ARGB lamp pins One 4-pin 12V NRGB lamp pin One set of 2-pin CLR_CMOS pins and one rear CLR_CMOS button One group of TPM pins 1 group of COM pins One group of 2-pin CASE_OPEN pins One set of DEBUG sockets
Packaging specs	Color box dimension: 289*280*65.5mm Net weight: 0.910kg Gross weight: 1.34kg Outer box dimension: 578*310*350mm Whole carton weight: 13.86kg Packing quantity: 10PCS



A: Four-layer USB3.2 GEN2 interface

It supports A theoretical maximum transfer speed of 10Gb and is backward compatible with USB1.1 and USB2.0 standards, and is used to connect USB TYPE A devices.

B: CLR_CMOS button

One-click clear the BIOS function Settings of the motherboard and restore the default initialization Settings of the motherboard BIOS.

C: DP interface

Maximum supported 4096x2160@60Hz resolution, simultaneous audio and video output is supported.

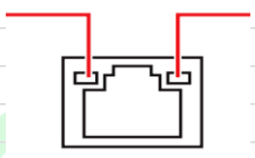
D: HDMI interface

Maximum supported 4096x2160@60Hz resolution, simultaneous audio and video output is supported.

E: Dual-layer USB2.0 interface

It supports up to USB2.0 standard and is backward compatible with USB1.1 standard. Used for connecting USB TYPE A devices.

F: RJ45 network cable interface, used for connecting network cables to link the host system to the 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 USB3.2 Gen 1 interface

It supports A theoretical maximum transfer speed of 10Gb and is backward compatible with USB1.1 and USB2.0 standards, and is used to connect USB TYPE A devices.

H: WI-FI antenna interface

WI-FI wireless network card antenna reservation hole. Users can DIY and equip the network card module by themselves.

J1: Audio-in interface (blue)

It is used for receiving audio input devices, such as mobile phone audio input.

J2: Audio-out interface (light green)

It is used to connect audio output devices, such as headphones, speakers and other external playback devices.

J3: Audio- Microphone Interface (Pink)

It is used to connect audio input devices, such as microphones and other audio receiving devices.

MS-Terminator B860M-E

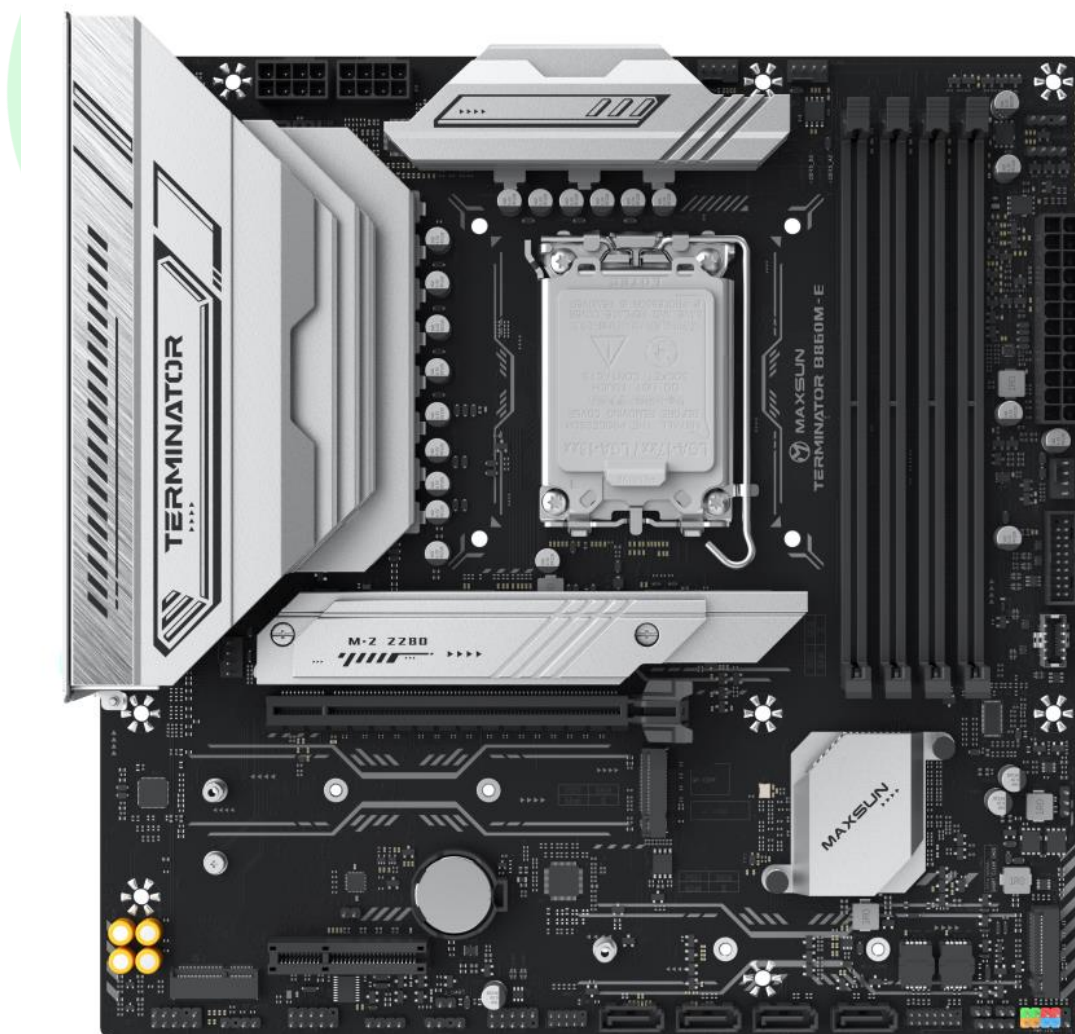
规格书

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第一章 主板配置图



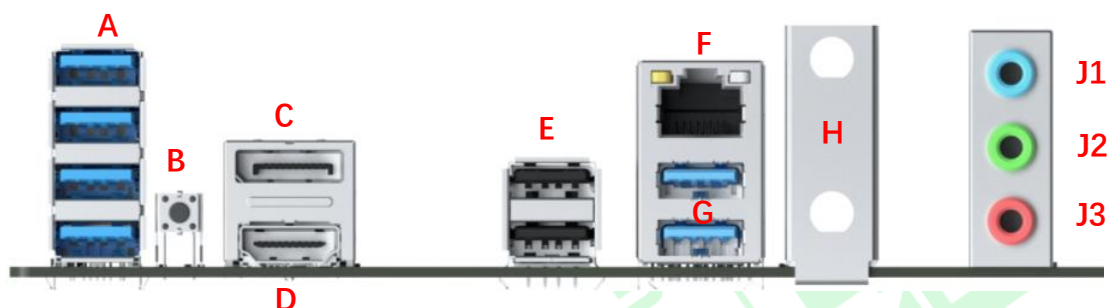
（此图仅供参考，部分细节会根据实际情况设计调整，请以实物为准，我司保留解释权）

第二章 规格

2.1、主板硬件规格

主板尺寸	M-ATX(245x 245mm)
CPU	支持 LGA1851 插槽 Ultra 200 系列处理器 英特尔默认: PL1:125W PL2:250W 56s 铭瑄推荐(BIOS 默认设置): PL1:200W PL2:250W 56s 极致性能: PL1:250W PL2:300W 8s
芯片组	Intel®B860 高速芯片组
内存	4 个 DIMM DDR5 内存槽(请优先插第二、第四两条插槽) 最高支持共 256GB 支持双通道内存技术 支持 8600(OC)/ 8400(OC)/ 8200(OC)/7600(OC)/ /7200(OC)/ 6800(OC)/ 6400(OC) /6000(OC)/ 5600(OC)/4800/OC+ MHz 不支持 ECC Memory
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 HDMI2.0 接口, 最高支持 4096x2160@60Hz 分辨率 1 个 DP 1.2 接口, 最高支持 4096x2160@60Hz 分辨率
扩展接口	1 个 PCIEX16 5.0 插槽 1 个 PCIEX4 4.0 插槽 支持 AMD、NVIDIA、INTEL 独立显卡
音频	集成 REALTEK ALC1220 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 1 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 3PIN SPDIF 插针
网络	1 个板载 RJ45 接口, 集成 REALTEK 8125D 网卡芯片(10/100/1000/2500Mbit) 支持 PXE 无盘、UEFI 无盘引导 1 个支持 M.2_WIFI 插槽, 支持 PCIE 和 CNVI 型 WIFI 模块
存储	2 个 M.2 插槽 (M2_SSD_B/C 支持 2242/2280/22110 PCIE X4/X2 Gen4 通道 SSD) 1 个 M.2 插槽 (M2_SSD_A 支持 2242/2280/ PCIE X4/X2 Gen5 通道 SSD) 4 个 SATA3.0 接口
USB	板载后置接口: 2 个 USB2.0 接口 4 个 USB3.2 GEN2 接口 2 个 USB3.2 GEN1 接口 板内插针: 1 个 9PIN USB2.0 插针 1 个 16PIN USB3.2 GEN1 插针 1 个 Type-C (20Gbps) 插座
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 2 组系统风扇插针、1 组 CPU 风扇插针、1 组 Pump 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 $\pm 8\text{KV}$ C 级 $\pm 6\text{KV}$ B 级 接触放电 $\pm 6\text{KV}$ C 级 $\pm 3\text{KV}$ B 级 *整机接地良好的情况下测试
其他	2 个 3PIN 支持防呆 5V ARGB 灯插针 1 个 4PIN 12V NRGB 灯插针 1 组 2PIN CLR_CMOS 插针和后置 CLR_CMOS 按钮一个 1 组 TPM 插针 1 组 COM 插针 1 组 2PIN 的 CASE_OPEN 插针 1 组 DEBUG 插座
包装尺寸及重量	彩盒尺寸: 289*280*65.5mm 单板重量: 0.910kg 单片彩包重量: 1.34kg 外箱尺寸: 578*310*350mm 整箱重量: 13.86kg 装箱数量: 10PCS



A: 四层 USB3.2 GEN2 接口

最最高支持理论 10Gb 速度传输, 可向下兼容 USB1.1、USB2.0 标准,用于连接 USB TYPE A 设备。

B: 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。

C: DP 接口

最高支持 4096x2160@60Hz 分辨率, 可支持声像同时输出。

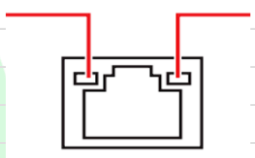
D: HDMI 接口

最高支持 4096x2160@60Hz 分辨率, 可支持声像同时输出。

E: 双层 USB2.0 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。

F: 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 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: 双层 USB3.2 GEN1 接口

最高支持理论 10Gb 速度传输，可向下兼容 USB1.1、USB2.0 标准,用于连接 USB TYPE A 设备。

H: WI-FI 天线接口

WI-FI 无线网卡天线预留孔，用户可自行 DIY 配备网卡模块。

J1: Audio-in 接口(蓝色)

用于接收音频输入设备，如手机音频输入。

J2: 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。

J3: 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。