

Ms-Terminator B760M GAMING

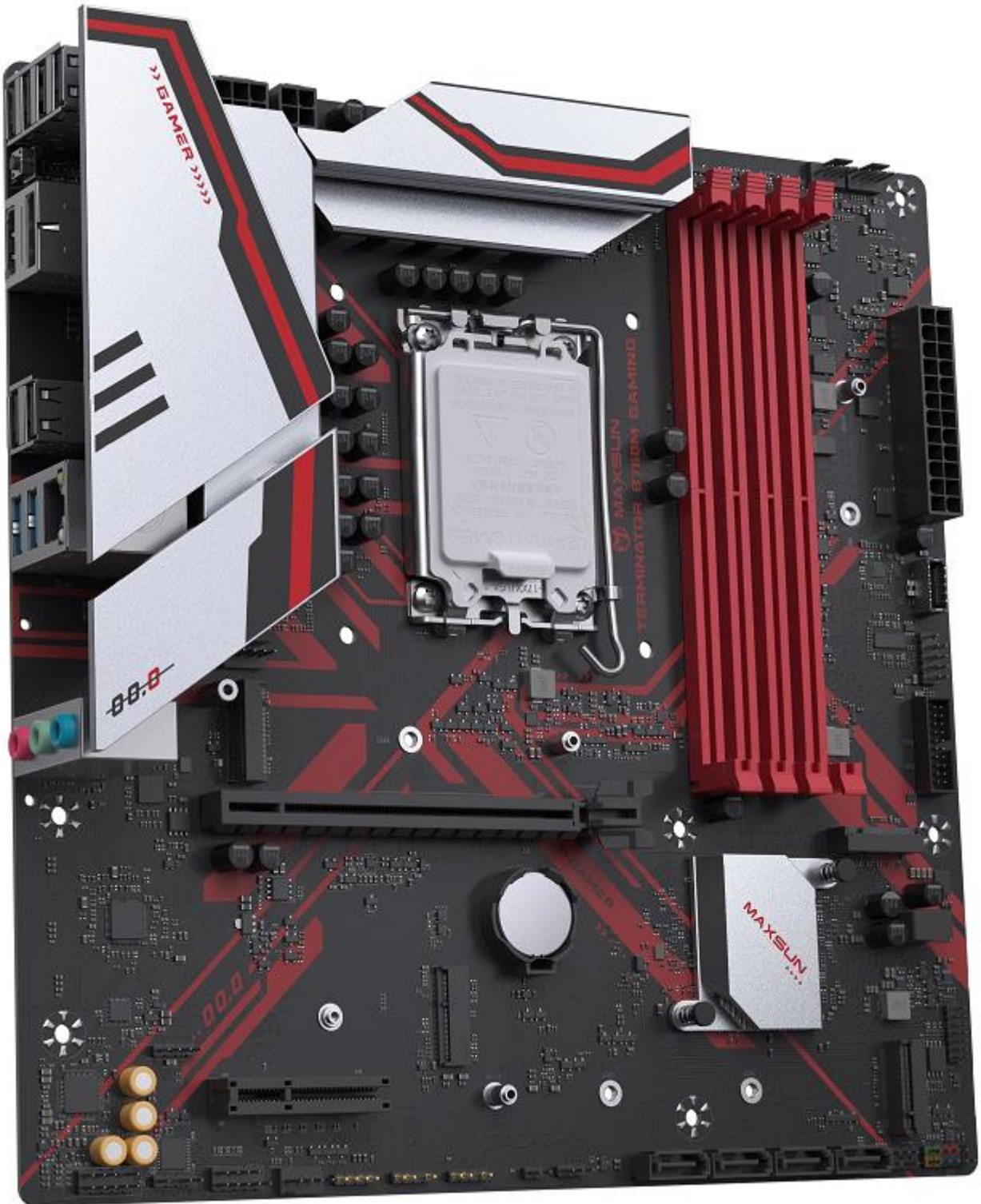
Manual

VER:A0

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Chapter I Motherboard Configuration Diagram



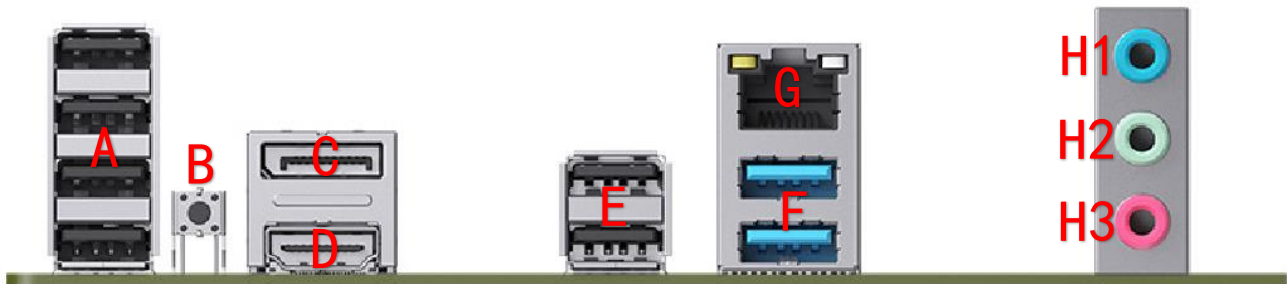
(This figure is for reference only, some details will be designed and adjusted according to the actual situation, please refer to the actual object, SK group reserves the right to explain)

Chapter II Specifications

2.1, Motherboard hardware specifications

Motherboard size	Micro ATX(245*245mm)
CPU	Support for LGA1700 slots 12th and 13th generation processors TDP: 253W (8+1+1)
Chipset	Intel®B7600 high-speed chipset
Memory	4x DIMM DDR4 memory slots (please insert the second and fourth slots first) Up to 128GB Dual-channel memory technology is supported Support for 3200/2933/2666/2400/2133 MHZ frequency/OC + memory
Display	Based on the display function of integrated graphics card processor, using shared display memory technology 1x HDMI 1.4 port, up to support 4096x2160@30Hz resolution (support HDCP2.2) 1x DP port, up to 4096x2160@60Hz resolution
Expansion port	1x PCIE X16 5.0 slot 1x PCIE X4 3.0 slot Support for AMD and NVIDIA graphics cards
Audio	Integrated REALTEK ALC897 sound card chip Support simultaneous output of front and rear channels (need to be set in HD audio controller) The rear is equipped with 3 audio ports: 1x rear onboard LINE IN port, 1x rear onboard LINE OUT port, and 1x rear onboard MIC_IN microphone port F_AUDIO pins: 1x set of front microphone pins, 1x set of front audio output pins (these two pins are F_Audio pins), and 1x set of SPDIF_OUT optical fiber pins 1x set of 4-PIN speaker Buzzer pins
Networking	Integrated REALTEK 8125BG NIC chip (10/100/1000/2500Mbit) 1x on-board RJ45 port Support for network wake-up Supports PXE disk-less and UEFI disk-less boot
Storage	3x M.2 slots (2242/2280 PCIE X4/X2 channel SSDS supported only) 4x SATA3.0 ports
USB	Onboard rear ports: 2x USB3.2 GEN2 ports, 6x USB2.0 ports On-board pins: 1x set (2 double rows) USB2.0 pins, 1x set (2) USB3.2 GEN1 pins, 1x Type-C (20Gbps) port
In-board socket	1x 24-PIN motherboard ATX power supply port 1x 8+4-PIN motherboard ATX 12V power supply port, 12V input, 3x sets of system fan pins, 1 set of CPU fan pins 1x 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	Support for Windows10 64bit, Windows11 64bit Support for 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	2x 3-PIN support anti-stay 5V ARGB light pin 1x 4-PIN 12V NRGB light pin 1x 2-PIN CLR_CMOS pin 1x rear CLR_CMOS button 1x set of TPM pins 1x set of COM pin
Package size And weight	Color box size: 289*280*66mm Single color bag weight: 1181.8g Outer box size: 578*310*350mm FCL weight: 13.6kg



A: Four-layer USB 2.0 TYPE A port

Supports up to USB2.0 standard and is backward compatible with USB1.1 standard.Used to connect USB TYPE A devices.

B: CLR_CMOS button

One click to clear the motherboard BIOS function Settings, restore motherboard BIOS default initialization Settings.

C: DP port

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

D: HDMI port

The highest support 4096x2160@30Hz resolution, can support audio and video output at the same time.

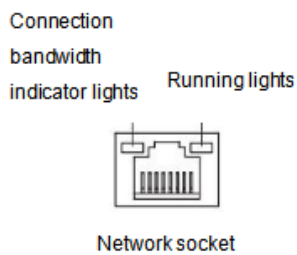
E: Dual-layer USB 2.0 TYPE A port

Supports up to USB2.0 standard and is backward compatible with USB1.1 standard.Used to connect USB TYPE A devices.

F: Dual layer USB3.2 GEN2 port

Up to support theoretical 10Gb speed transmission, backward compatible with USB1.1, USB2.0 standards, for connecting USB TYPE A devices.

G: RJ45 network cable port, used to access the network cable to connect the host system to the network, the maximum bandwidth 2500Mbps.



Connection Bandwidth indicator	
Bandwidth	Light State
Unconnected	destroy
10Mbps	Steady green
100Mbps	Steady green
1000Mbps	Steady orange
2500Mbps	Steady orange

Running indicator	
No data transfer	destroy
Data in transit	Flicker

H1: Audio-in port (blue)

For receiving audio input devices, such as mobile phone audio inputs.

H2: Audio-out port (light green)

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

H3: Audio- Microphone port (pink)

For accessing audio input devices, such as radio devices such as microphones.

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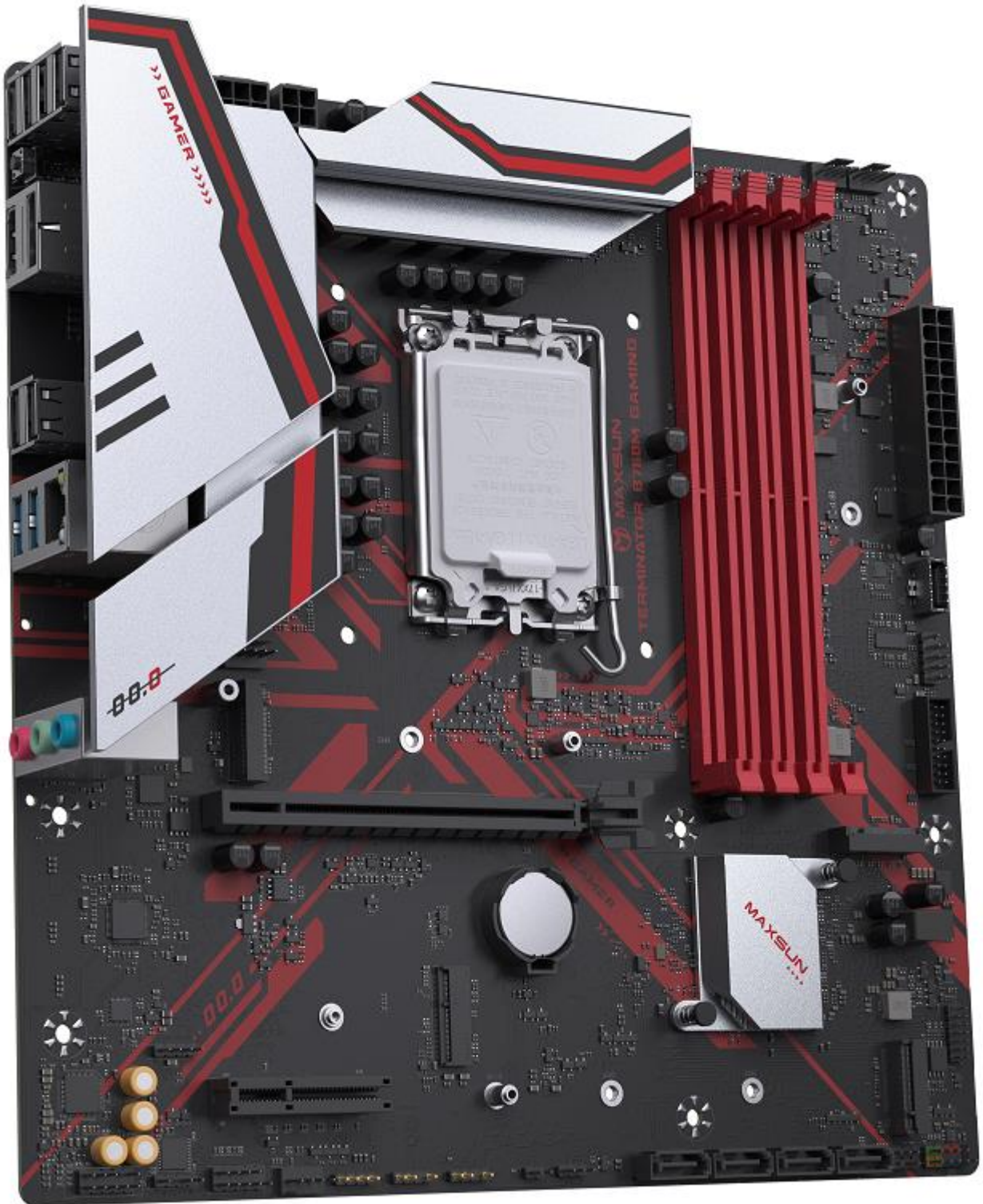
使用手册

VER: A0

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第一章 主板配置图



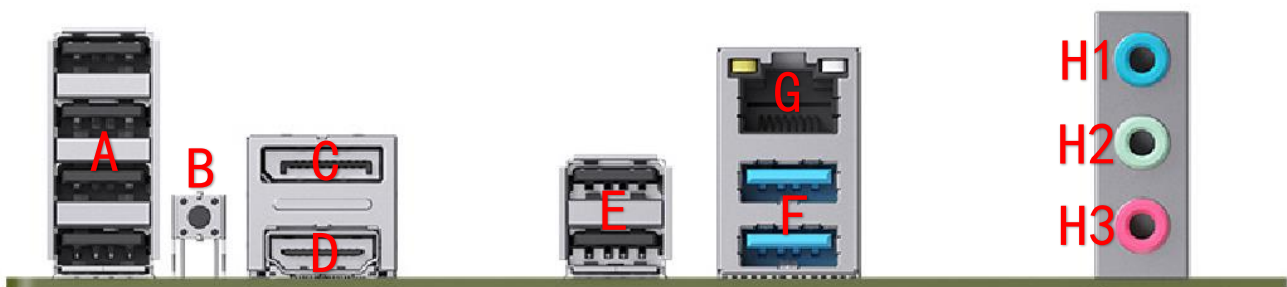
(此图仅供参考，部分细节会根据实际情况设计调整，请以实物为准，我司保留解释权)

第二章 规格

2.1、主板硬件规格

主板尺寸	MicroATX (245*245mm)
CPU	支持 LGA1700 插槽 第 12、13 代处理器 TDP: 253W (8+1+1)
芯片组	Intel®B7600 高速芯片组
内存	4 个 DIMM DDR4 内存槽 (请优先插第二、第四两条插槽) 最高支持共 128GB 支持双通道内存技术 支持 3200/2933/2666/2400/2133MHz/OC+ 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 1.4 接口, 最高支持 4096x2160@30Hz 分辨率 (支持 HDCP2. 2) 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 PCIEX4 3.0 插槽 支持 AMD 和 NVidia 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), 一组 SPDIF_OUT 光纤插针 1 组 4pin 喇叭 Buzzer 插针
网络	集成 REALTEK8125BG 网卡芯片 (10/100/1000/2500Mbit) 1 个板载 RJ45 接口 支持网络唤醒 支持 PXE 无盘、UEFI 无盘引导
存储	3 个 M.2 插槽 (仅支持 2242/2280 PCIE X4/X2 通道 SSD) 4 个 SATA3.0 接口
USB	板载后置接口: 2 个 USB3.2 GEN2 接口, 6 个 USB2.0 接口 板内插针: 1 组 (2 双排) USB2.0 插针, 1 组 (2 个) USB3.2 GEN1 插针, 1 个 Type-C (20Gbps) 接口
板内插座	1 个 24PIN 主板 ATX 供电接口 1 个 8+4PIN 主板 ATX 12V 供电接口, 12V 输入, 3 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	2 个 3PIN 支持防呆 5V ARGB 灯插针 1 个 4PIN 12V NRGB 灯插针 2PIN CLR_CMOS 插针和后置 CLR_CMOS 按钮一个 TPM 插针 1 组 COM 插针 1 组
包装尺寸及重量	彩盒尺寸: 289*280*66mm 单片彩包重量: 1181.8g 外箱尺寸: 578*310*350mm 整箱重量: 13.6kg



A: 四层 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。

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@30Hz 分辨率, 可支持声像同时输出。

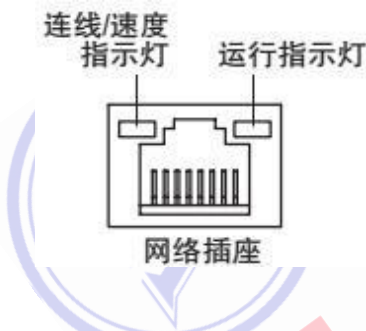
E: 双层 USB2.0 TYPE A 接口

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

F: 双层 USB3.2 GEN2 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。

G: 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。



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
2500Mbps	橙色常亮

运行指示灯	
无数据传输	灭
数据传输中	闪烁

H1: Audio-in 接口(蓝色)
用于接收音频输入设备，如手机音频输入。

H2: 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。

H3: 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。