

MS-Terminator B760M D 4 V2

Manual

VER:A0

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Chapter I Motherboard configuration diagram



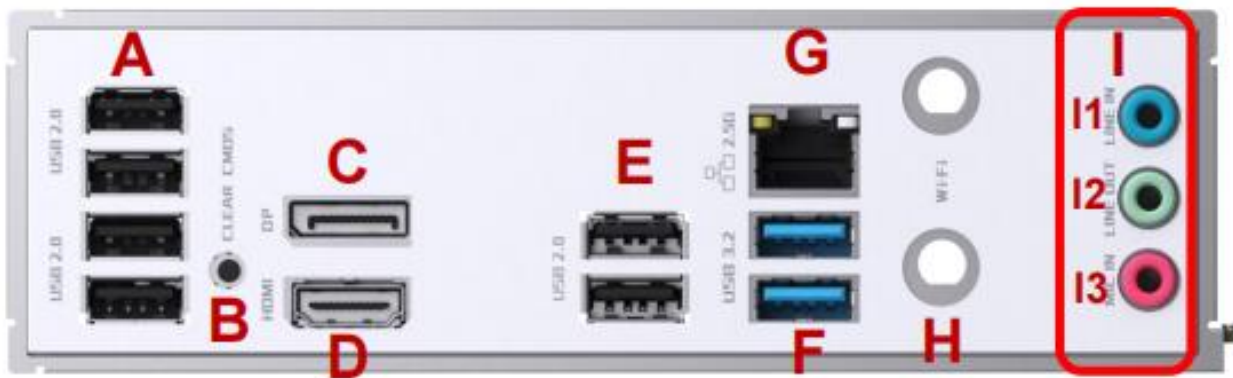
(This drawing is for reference only, and some details will be designed and adjusted according to the actual situation.
Please take the physical object, and our company reserves the right of interpretation)

Chapter II Specifications

2.1. Motherboard hardware specifications

Motherboard size	Micro ATX(245*245mm)
CPU	Support for LGA 1700 slots 12th and 13th generation processors TDP: 253W
Chipset	Intel ® B760 High-speed chipset
Memory	4x DIMM DDR 4 memory slots (second and fourth slots) Maximum support in total is 128GB Support for dual-channel memory technology Supports 3200 / 2933 / 2666 / 2400 / 2133 MHz / OC +, memory frequency
Display	Based on the display function of the integrated graphics card processor, the shared display memory technology is adopted 1x HDMI 1.4 port with up to 4096x2160@30Hz resolution (HDCP 2.2 support) 1x DP port, up to 4096x2160@60Hz resolution
Extended port	1x PCIE X16 5.0 slot 1x PCIE X4 3.0 slot AMD and NVIDIA independent graphics cards are supported
Audio	Integrated REALTEK ALC 897 sound card chip Supports simultaneous output of front and rear channels (required settings in HD audio controller) The rear is equipped with three audio ports: 1x rear backboard LINE IN port, 1x rear backboard LINE OUT port, and 1x rear backboard MIC_ IN microphone port F_AUDIO pin: 1x set of front microphone pins, 1x set of front audio output pins 1x 4pin horn Buzzer pins
Network	Integrated REALTEK 8125BG Network Card Chip (10 / 100 / 1000 / 2500Mbit) 1x onboard RJ45 port Support network arousal Support PXE no disk, UEFI no disk guide
Storage	3x M.2 slots (2242 / 2280 P CIE X4 / X2 channel SSD supported only) 4x SATA 3.0 ports
USB	On-board rear port: 2x USB 3.2 GEN 2 ports, 6x USB2.0 ports Plate insert: 1x (2 double row) USB2.0 pins, 1x (2) USB 3.2 GEN 1 pin, 1x Type-C (20Gbps) port
Inside board socket	1x 24-PIN motherboard ATX power supply port 1x 8+4-PIN motherboard ATX 12V power supply port, 12V input, 3x groups of system fan pins and 1 group of CPU fan pins 1x group chassis front control panel pin (F_PANEL)
Hardware monitoring	Voltage monitoring temperature monitoring

	Fan monitoring Intelligent fan speed control (the main board has been supported, the intelligent fan speed control also needs fan support)
Operating system	Support for Windows 10 64bit, Windows 11 64bit Support for Ubuntu 64bit
ESD protect	Air discharge ± 8 KV Class C ± 6 KV of grade B Contact discharge is ± 6 KV Class C ± 3 KV Grade B * Test of the whole machine under good grounding
Other	Debug digital display tube 2x 3-PIN support for 5V ARGB lamp pins 1x 4PIN 12V NRGB lamp pins 2-PIN CLR_CMOS pin and 1x rear CLR_CMOS button 1x TPM pin 1x COM Pin



A: Four-layer USB2.0 TYPE A port

Up to support USB2.0 standard, downward compatible with USB1.1 standard. For connecting to the USB TYPE A devices.

B: CLR_CMOS push button

Clear the motherboard BIOS function setting and restore the motherboard BIOS default initialization settings.

C:DP port

Up to 4096x2160@60Hz resolution, can support both audio and video output.

D: HDMI port

Up to 4096x2160@30Hz resolution, can support both audio and video output.

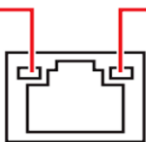
E: Double-layer USB2.0 TYPE A port

Up to support USB2.0 standard, downward compatible with USB1.1 standard. For connecting to the USB TYPE A devices.

F: Double-layer USB 3.2 GEN 2 port

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

G: RJ45 network cable port for access network cable to connect the host system to the network with a maximum bandwidth of 2500M bps.

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

H: WI-FI antenna has a reserved hole position

WI-FI wireless network card antenna reserved hole position, onboard WI-FI horizontal port, can install WI-FI wireless network card, and the antenna installed here.

I1: Audio-in port (blue)

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

I2: Audio-out port (light green)

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

I3: Audio-Microphone port (pink)

For accessing audio input devices, such as microphone and other radio devices.

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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

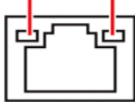
2.1、主板硬件规格

主板尺寸	MicroATX(245*245mm)
CPU	支持 LGA1700 插槽 第 12、13 代处理器 TDP: 253W
芯片组	Intel®B760 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 HDMI1.4 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 $\pm 8\text{KV}$ 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	一个 debug 数码显示管 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



- 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。

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	1.0/2.5/5.0Gbps 连接

H:WI-FI 天线预留孔位

WI-FI 无线网卡天线预留孔位，板载 WI-FI 卧式接口，可自行装配 WI-FI 无线网卡，并将天线安装至此处。

I1: Audio-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。