MS-Terminator B760M GKD5

Manual

VER:A 0

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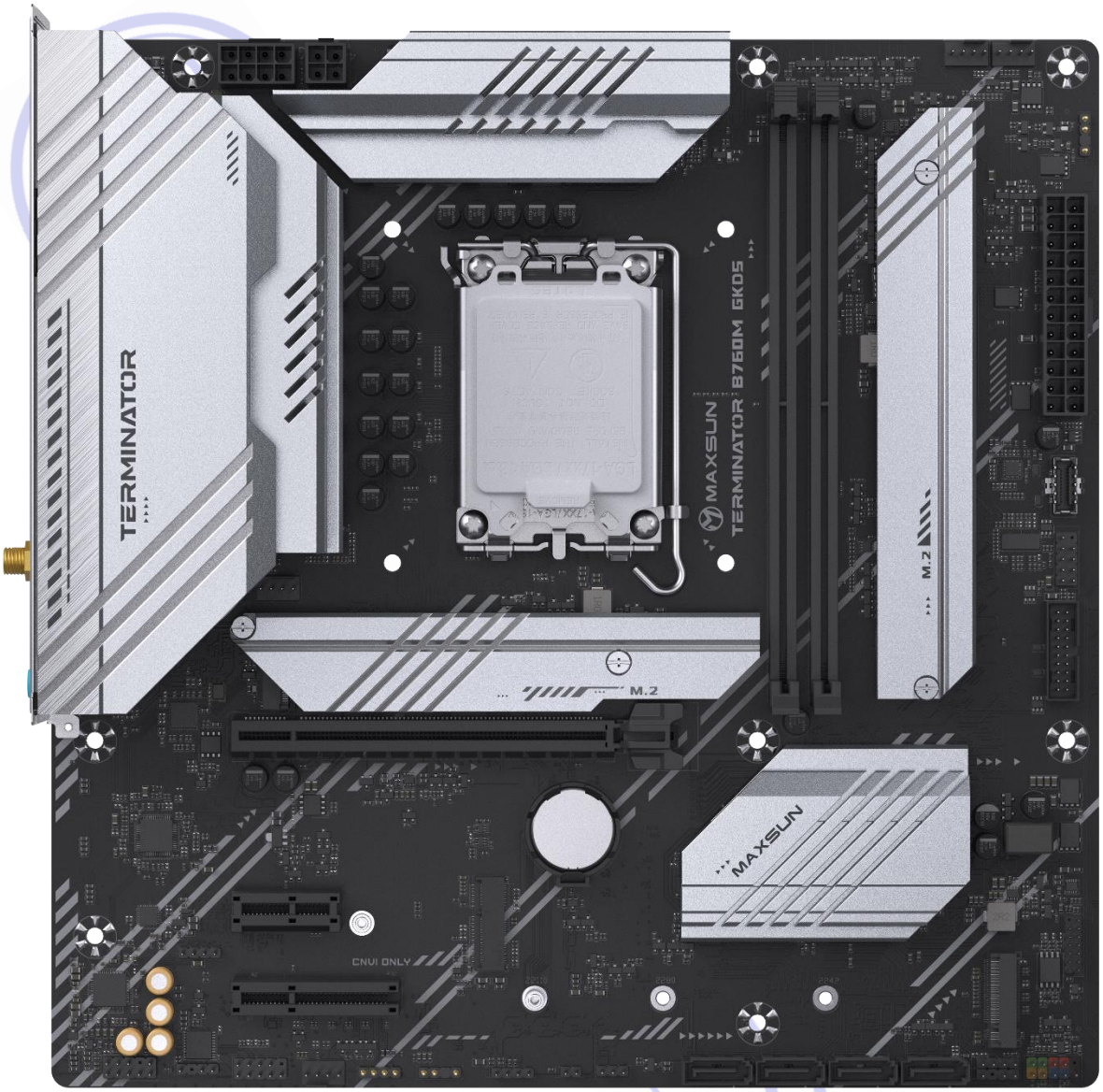
Chapter I Motherboard configuration diagram



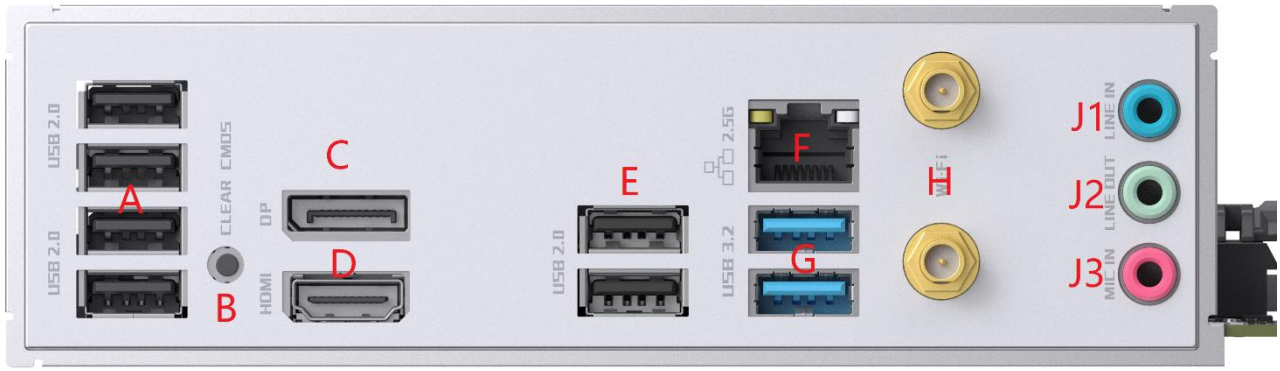
(This drawing is for reference only, and some details will be designed and adjusted according to the actual situation. Please take the physical object, and our company reserves the right of interpretation)

Chapter II Specifications

2.1 motherboard hardware specifications

Motherboard size	Micro ATX(245*245mm)
CPU	Support for LGA1700 slots The 12th and 13th generation processors TDP：200W
Chipset	Intel ® B760 High-speed chipset
Memory	2x DIMM DDR5 memory slots (second and fourth slots) Maximum support in total is 64GB Support for dual-channel memory technology Support for 4800 / 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,Up to 4096x2160@30Hz resolution support (with 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 1x PCIE X1 3.0 slot Support for AMD and NVIDIA independent graphics cards
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 6 audio ports: 1x rear-board LINE IN port, 1x rear-board LINE OUT port, 1x rear-board MIC_IN microphone port F_A UDIO pin: 1x set of front microphone pins and 1x set of front audio output pins 1x 4-pin horn Buzzer pins
Network	Integrated REALTEK 8125 card chip (10 / 100 / 1000 / 2500Mbit) 1x onboard RJ45 port Support network arousal Support PXE no disk, UEFI no disk guide 1x M.2 _ WIFI slot (support for extended WIFI module use)
Storage	3x M.2 slots (2242 / 2280 PCIE X4 / X2 channel SSD supported only) 4x SATA 3.0 ports
USB	On-board rear port: 2x USB 3.2 GEN 1 ports, 6x USB2.0 ports Plate insert: 1x group (2 double rows) U SB2.0 pins, 1x group (single row) USB2.0 pin, 1x group (2 rows) USB 3.2 GEN 1 pin
Inside board	1x 24-PIN motherboard ATX power supply port

socket	1x 8+4-PIN motherboard A TX 12V power supply port, 12V input, 3x sets of system fan pins and 1x 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	2x 3-PIN support for 5V ARGB lamp pins 1x 4-PIN 12V NRGB lamp pin 1x 2-PIN CLR _ CMOS pin and rear 1x CLR_ CMOS button 1x TPM pin 1x COM_A Pin



A: Four-layer USB2.0 TYPE A port

Up to support USB 2.0 standard, downward compatible with USB1.1 standard. For connecting to the USB TYPE A devices.

B: CLR_CMOS push button

Clear the motherboard B IOS 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.

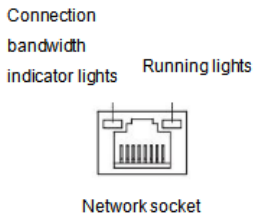
E: Double-layer USB2.0 TYPE A port

Up to support USB 2.0 standard, downward compatible with USB1.1 standard. For connecting to the USB TYPE A devices.

G: Double-layer USB3.2 GEN 1 port

Up to support theoretical 5Gb speed transmission, can be downward compatible with USB1.1, USB2.0 standards, used to connect USB TYPE A devices.

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



Connect the bandwidth indicator light	
tape width	The lamp state
Connection-less	go out
10M bps	Green is always bright
100M bps	Green is always bright
1000M bps	Orange is always bright
2500M bps	Orange is always bright

Run the indicator light	
No data transmission	go out
In data transmission	twinkle

H: WIFI antenna bracket

Support for WIFI extension head for easy installation of WIFI antenna.

J 1: Audio-in port (blue)

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

J 2: Audio-out port (light green)

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

J 3: Audio-Microphone port (pink)

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

MS-终结者 B760M GKD5

使用手册

VER:A0

SHANGKE GROUP

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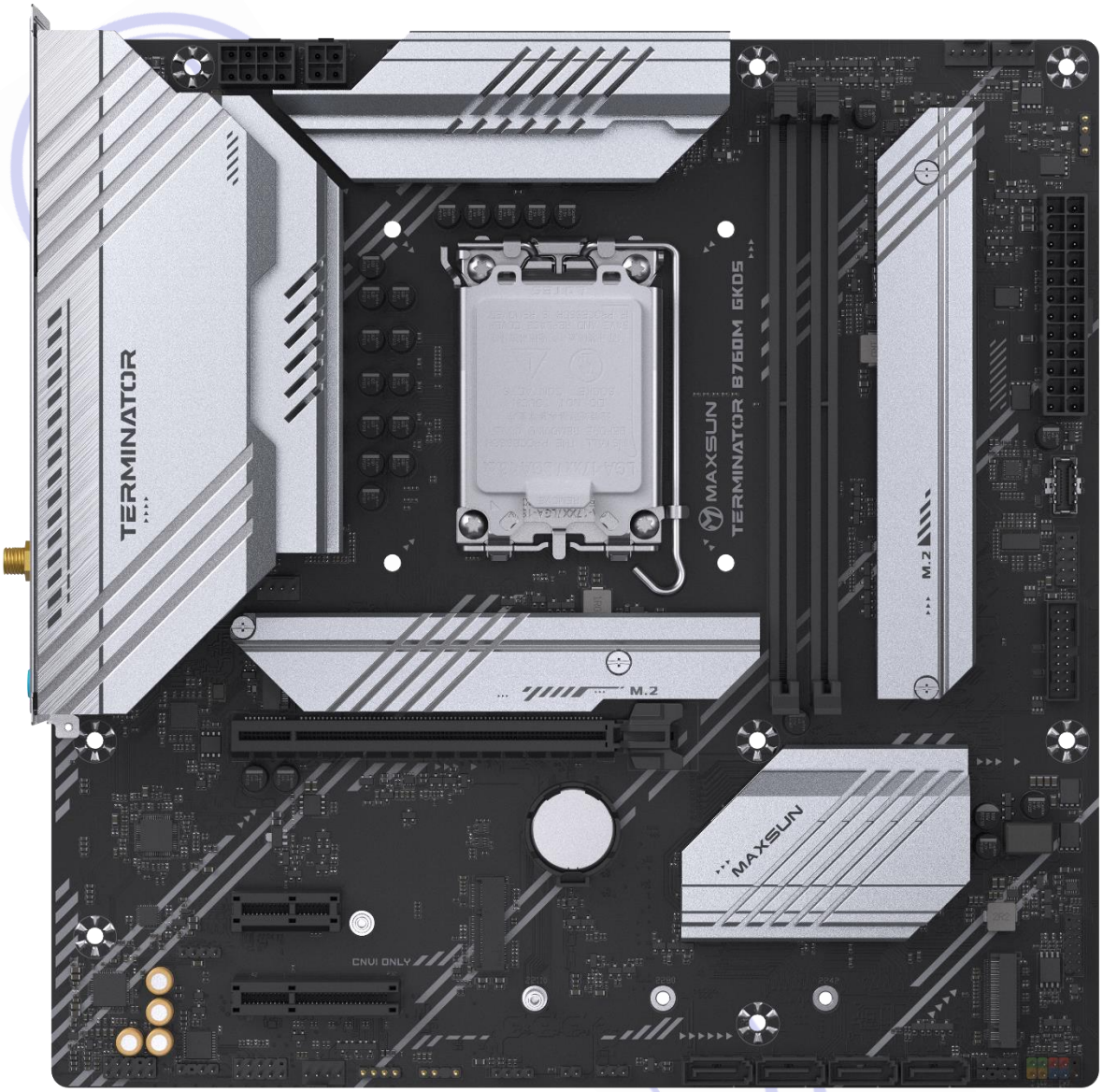
第一章 主板配置图



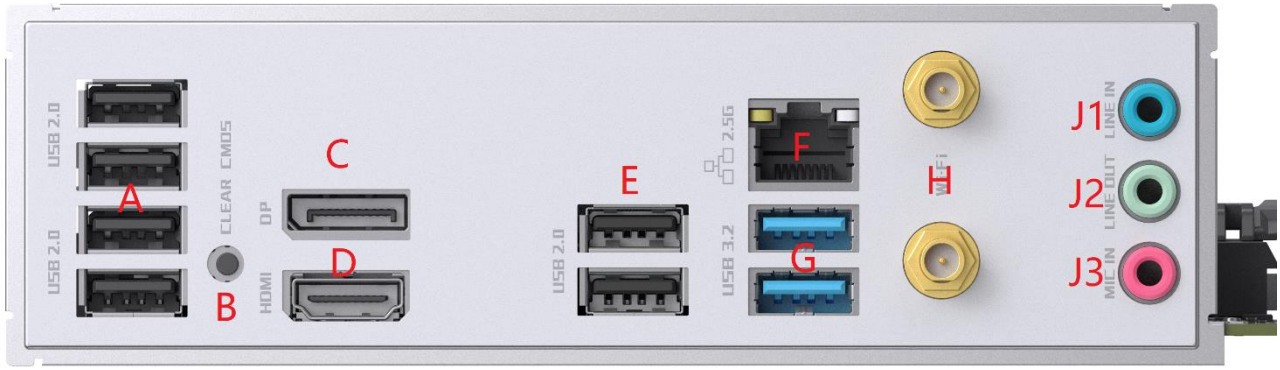
（此图仅供参考，部分细节会根据实际情况设计调整，请以实物为准，我司保留解释权）

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：200W
芯片组	Intel®B760 高速芯片组
内存	2 个 DIMM DDR5 内存槽 最高支持共 64GB 支持双通道内存技术 支持 4800/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 1 个 PCIEX1 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_Aduio 插针组） 1 组 4pin 喇叭 Buzzer 插针
网络	集成 REALTEK8125 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 1 个 M.2_WIFI 插槽（支持扩展 WIFI 模块使用）
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 GEN1 接口，6 个 USB2.0 接口 板内插针：1 组（2 双排）USB2.0 插针，1 组（单排）USB2.0 插针，1 组（2 个）USB3.2 GEN1 插针
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_A 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。

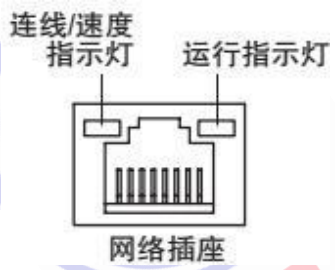
E：双层 USB2.0 TYPE A 接口

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。

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、USB2.0 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。



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

H：WIFI 天线支架

用于 WIFI 延长线头的支撑，便于安装 WIFI 天线使用。.

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。

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