

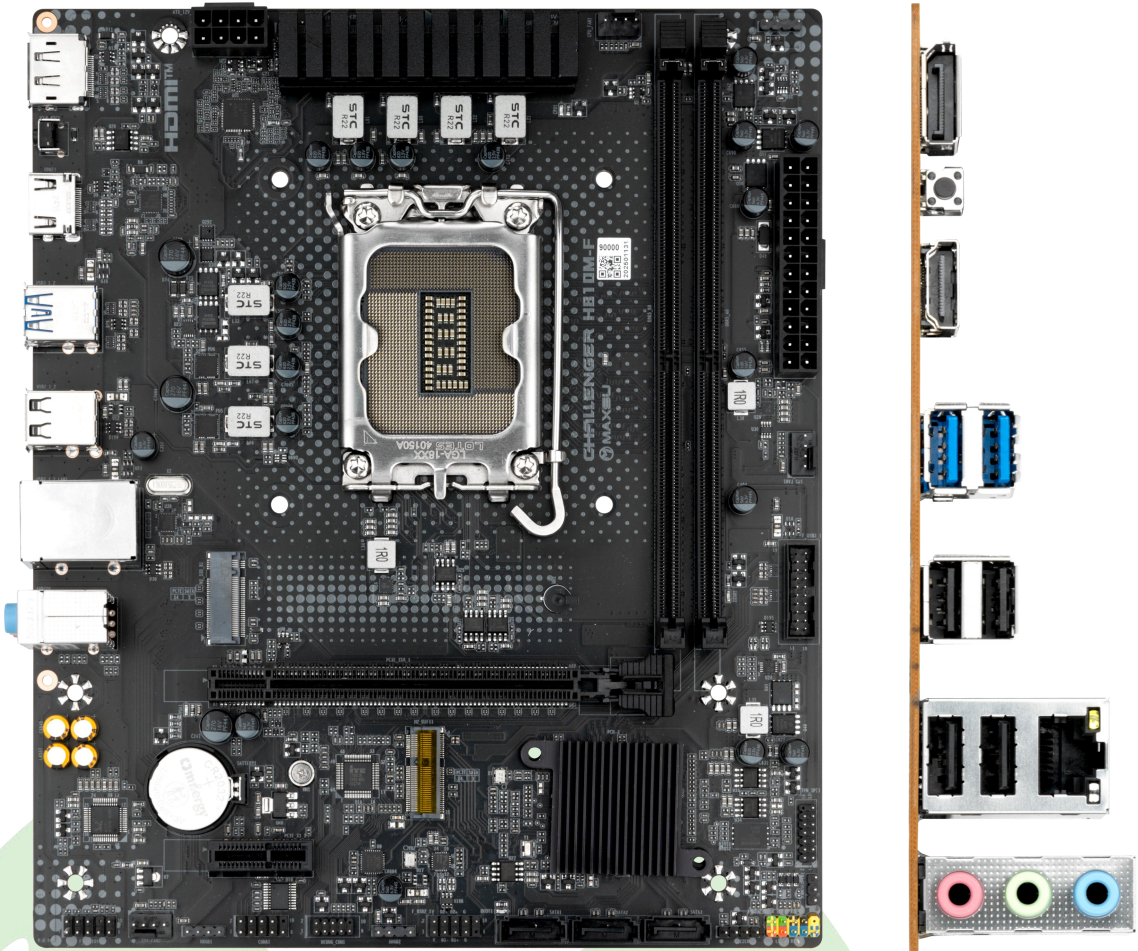
## MS-Challenger H810M-F

V1.0版/2025.12.15

铭瑄中国官网:<https://www.maxsun.com.cn>

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## 产品包装

|      |                             |
|------|-----------------------------|
| 主板产品 | 1 x MS-Challenger H810M-F主板 |
| 数据线  | 1 x SATA 6Gb/s 数据线          |
| 其他配件 | 1 x M.2 SSD螺丝包              |
|      | 1 x 产品质保卡                   |

规格

|         |                                                                                                                                                                            |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 产品型号名   | MS-Challenger H810M-F                                                                                                                                                      |
| 版本号     | Ver. 1                                                                                                                                                                     |
| 产品尺寸    | M-ATX版型<br>225mm*190mm                                                                                                                                                     |
| 中央处理器   | 英特尔® LGA1851插槽，适用英特尔® 酷睿™ Ultra 处理器                                                                                                                                        |
| 芯片组     | 英特尔® H810 芯片组                                                                                                                                                              |
| 主板供电模组  | 4+1+1 50A Dr. Mos                                                                                                                                                          |
| 内存      | 2 x DIMM DDR5，最大容量 96GB<br>支持双通道内存架构<br>支持 Intel® Extreme Memory Profile (XMP)<br>支持 6400/6200/6000/5800/5600/5400/5200/5000/4800 Mhz内存频率                                  |
| 显示接口    | 1 x HDMI™ 2.0 显示接口，支持规定的最高 4K@60Hz<br>1 x DP 1.4显示接口，支持规定的最高4K@60Hz<br>* 不同类型 CPU 的图形规格可能有所不同，详情请参阅 <a href="http://www.intel.com">www.intel.com</a> *                     |
| PCIe拓展槽 | 来自英特尔® 酷睿™ Ultra 处理器：<br>1 x PCIe X16 插槽（支持 PCIe 5.0 X16 模式）<br><br>来自英特尔® H810 芯片组：<br>1 x PCIe X1 插槽（支持 PCIe 4.0 X1 模式）                                                  |
| 存储设备接口  | 共支持 1 x M.2 插槽 和 3 x SATA 6Gb/s 接口<br><br>来自英特尔® H810高速芯片组：<br>M.2_A 插槽（Key_M）：支持 PCIe 4.0 X4/X2 模式，支持 2280 长度<br><br>3 x SATA 6Gb/s 接口                                    |
| 网络功能    | 1 x Realtek RTL8111M Ethernet 接口<br>1 x M.2 E-Key 2230，支持PCIe，USB，CNVi协议无线网卡                                                                                               |
| USB接口   | 板载USB（共4个接口）：<br>1 x USB 5G 19Pin 接针，支持 2 个额外的 USB 5G 接口<br>1 x USB 2.0 9Pin 接针，支持 2 个额外的 USB 2.0 接口<br><br>后置USB（共6个接口）：<br>2 x USB 5G Type-A 接口<br>4 x USB 2.0 Type-A 接口 |
| 音频      | Realtek ALC897 高清音频编解码器                                                                                                                                                    |

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 后置面板 I/O 设备接口 | 1 x HDMI™ 2.0<br>1 x DP1.4<br>1 x CLR_CMOS 快捷按钮<br>2 x USB 5G Type-A 接口<br>4 x USB 2.0 Type-A 接口<br>1 x Realtek 1Gb Ethernet 接口<br>3 x 音频插孔                                                                                                                                                                                                                                                                                                     |
|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 内置 I/O 设备接口   | <b>电源相关接口</b><br>1 x 24 Pin ATX 电源连接器<br>1 x 8Pin +12V 电源连接器<br><br><b>风扇相关接口</b><br>1 x 4 Pin CPU 风扇接头<br>2 x 4 Pin 机箱风扇接头<br><br><b>存储相关接口</b><br>1 x M.2 插槽 (Key_M)<br>3 x SATA 6Gb/s 接口<br><br><b>板载 USB 接口</b><br>1 x USB 5G 19Pin 接针, 支持 2 个额外的 USB 5G 接口<br>1 x USB 2.0 9Pin 接针, 支持 2 个额外的 USB 2.0 接口<br><br><b>其他接口</b><br>2 x 3 Pin ARGB 接口<br>1 x 4 Pin NRGB 接口<br>1 x COM 端口接针<br>1 x TPM 端口接针<br>1 x 前面板音频接口<br>1 x 10-1 Pin 系统面板接口 |
|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 支持操作系统        | Windows® 11, Windows® 10 64-bit                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 特有功能          | 分布式 Debug 灯<br>Maxsun Sync 灯光控制<br>CLR_CMOS 快捷按钮<br>Resizable bar 技术                                                                                                                                                                                                                                                                                                                                                                            |

# Motherboard Specification

## MS-Challenger H810M-F

## Specification

|                  |                                                                                                                                                                                                                                    |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form factor      | mATX 225mm x 190mm                                                                                                                                                                                                                 |
| CPU              | intel® LGA1851 slot for intel® Core™ Ultra 200S processor                                                                                                                                                                          |
| Best CPU Pairing | intel® Core™ Ultra5 225<br>intel® Core™ Ultra5 225F                                                                                                                                                                                |
| Power supply     | 4+2+1 phase Dr. Mos                                                                                                                                                                                                                |
| TDP              | 95W                                                                                                                                                                                                                                |
| Chipset          | intel® H810 chipset                                                                                                                                                                                                                |
| Memory           | 2 x DIMM DDR5, maximum capacity 96GB<br>Dual channel memory architecture is supported<br>Supports intel® Extreme Memory Profile<br>Supports up to 6400Mhz                                                                          |
| Expansion slots  | From intel® Core™ Ultra processor:<br>1 x PCIe X16 slot (supports PCIe 5.0X16 mode)<br><br>From intel® H810 chipset:<br>1 x PCIe X1 slot (supports PCIe 4.0X1 mode)                                                                |
| Graphics         | 1 x DisplayPort 1.4<br>1 x HDMI™ 2.0                                                                                                                                                                                               |
| Audio            | Realtek ALC897 HD audio codec<br>Rear 3 audio ports<br>F_AUDIO 9pins                                                                                                                                                               |
| Network          | 1 x Realtek RTL8111M 1Gb Ethernet interface<br>1 x M.2 E-Key 2230 supports PCIe, USB, CNVi                                                                                                                                         |
| USB              | Onboard USB (4) :<br>1 x USB 5G 19Pin with support for 2 additional USB 5G ports<br>1 x USB 2.0 9Pin, supports 2 additional USB 2.0 ports<br><br>Rear USB (6) :<br>2 x USB 5G Type-A interface<br>4 x USB2.0 480M Type-A interface |

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| Rear Panel I/O     | <ul style="list-style-type: none"> <li>1 x DisplayPort 1.4</li> <li>1 x HDMI™ 2.0</li> <li>1 x CLR_CMOS shortcut button</li> <li>2 x USB 10G Type-A interface</li> <li>4 x USB2.0 480M Type-A interface</li> <li>1 x Realtek 1Gb Ethernet interface</li> <li>3 x audio jacks</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Storage            | <p>A total of 1 x M.2 slots and 3 x SATA 6Gb/s interfaces are supported</p> <p>From intel® H810 chipset:</p> <p>M.2_A slot (Key_M) : supports PCIe 4.0 X4/X2 mode, supports 2280 length</p> <p>3 x SATA 6Gb/s interface</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| RAID               | <p>SATA: RAID 0, 1, 5, 10</p> <p>M.2: RAID 0, 1, 5, 10</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Onboard connectors | <p>Power related interface</p> <ul style="list-style-type: none"> <li>1 x 24 Pin ATX power connector</li> <li>1 x 8 Pin +12V power connector</li> </ul> <p>Fan related interface</p> <ul style="list-style-type: none"> <li>1 x 4 Pin CPU fan connector</li> <li>2 x 4 Pin System fan connector</li> </ul> <p>Storage related interfaces</p> <ul style="list-style-type: none"> <li>1 x M.2 slots (Key_M)</li> <li>3 x SATA 6Gb/s interface</li> </ul> <p>Onboard USB interface</p> <ul style="list-style-type: none"> <li>1 x USB 5G 19Pin with support for 2 additional USB 5G ports</li> <li>1 x USB 2.0 9Pin, supports 2 additional USB 2.0 ports</li> </ul> <p>Other interfaces</p> <ul style="list-style-type: none"> <li>2 x 3 Pin ARGB interfaces</li> <li>1 x 4 Pin NRGB interface</li> <li>1 x COM port connection pin</li> <li>1 x front panel audio interface</li> <li>1 x 10-1 Pin system panel interface</li> <li>1 x CLR_CMOS reset pin</li> <li>1 x TPM pin</li> </ul> |

|                       |                                                                                                                         |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------|
| OS                    | Windows® 11, Windows® 10 64-bit*                                                                                        |
| BIOS                  | MAXSUN UEFI BIOS                                                                                                        |
| Packing list          | 1xMS-Challenger H810M-F motherboard<br>1xSATA 6Gb/s data cable<br>1x Product Warranty Card                              |
| Packing specification | Color box dimensions:<br>Net weight:<br>Gross weight:<br>Outer box dimensions<br>Whole carton weight:<br>QTY/CTN: 10pcs |

