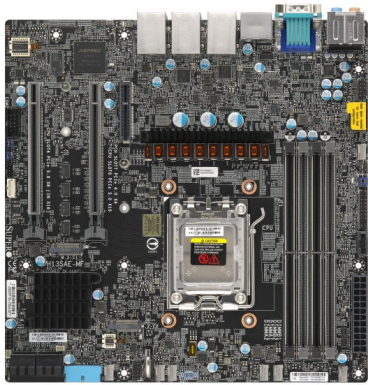


# H13SAE-MF New



## Key Features

- AMD Ryzen™ 7000 series Processors, single socket LGA-1718 (socket AM5) supported
- TDP supports up to 170W.
- Up to 192GB ECC/non-ECC Unbuffered DIMM, DDR5-5200MHz, in 4 DIMM slots.
- 2 PCIe 5.0 x16 (16/NA or 8/8), support up to 2 GPU cards(mechanical is up to 1 triple-width GPU card or 2 double-width GPU cards)
- 1 PCIe 4.0 x4
- 2x 1Gbit LAN port(i210 AT); a dedicated Realtek 1Gbit LAN for IPMI.
- Micro-ATX form factor
- 1 USB 3.2 Gen2x2 ports (type C, 20Gb, rear); 5 USB 3.2 Gen2 ports(2 Type C, rear, support DP 1.4 Alt mode)
- 1 HDMI 2.0 port, 1 DP 1.4a port
- M.2 Interface:** 2 PCIe 5.0 x4 (RAID 0 & 1)
- M.2 Form Factor:** 2280/22110
- M.2 Key:** M-Key

## Optimized Servers

[AS-1015A-MT \(/de/products/system/mainstream/1u/as-1015a-mt\)](#) [AS-3015A-I \(/de/products/system/mainstream/tower/as-3015a-i\)](#) [AS-2015A-TR \(/de/products/system/mainstream/2u/as-2015a-tr\)](#)

## Specifications

<b>Product SKUs</b> MBD-H13SAE-MF
<b>Physical Stats</b> <b>Form Factor</b> Micro-ATX <b>Dimension</b> 9.6" x 9.6" (24.384cm x 24.384cm)
<b>Processor</b> <b>CPU</b> AMD Ryzen™ 7000 series Processors Single Socket LGA-1718 (Socket AM5) supported, CPU TDP supports Up to 170W TDP <b>Core</b> Up to 16 cores, 32 threads
<b>System Memory</b> <b>Memory Capacity</b> 4 DIMM slots <b>Memory Type</b> 5200/4800/3600 MT/s Up to 192GB of memory with speeds of up to 5200MT/s (1DPC)/3600MT/s (2DPC) <b>DIMM Sizes</b> 8GB, 16GB, 24GB, 32GB, 48GB <b>Memory Voltage</b> 1.1V
<b>On-Board Devices</b> <b>Chipset</b> B650 <b>SATA</b> 4 SATA3 ports; RAID 0,1,5,10 <b>IPMI</b> ASPEED AST2600 BMC <b>Audio</b> ALC 888S HD Audio <b>Network Controllers</b> Dual LAN with Intel® i210 Gigabit Ethernet Controller Single LAN with ASPEED AST2600 BMC, Dedicated LAN for IPMI
<b>Input / Output</b> <b>USB</b> 1 USB 3.2 Gen2x2 port(s) (1 rear type C 20Gb) 5 USB 3.2 Gen2 port(s) (3 rear type A 10Gb; 2 rear type C DP 1.4 Alt mode) 2 USB 3.2 Gen1 port(s) (2 headers 5Gb) 1 USB 2 port(s) (1 via header 2 ports by a header) <b>Video Output</b> 1 HDMI 2.0 port(s), 1 DP 1.4a port(s), 2 rear type C port(s) DP 1.4 Alt mode <b>Serial Port</b> 1 COM Port(s) (1 header) <b>TPM</b> 1 TPM Header

<b>Expansion Slots</b> <b>PCIe</b> 1 PCIe 4.0 x4, 2 PCIe 5.0 x16 slots (16/NA or 8/8) <b>M.2</b> M.2 Interface: 2 PCIe 5.0 x4, RAID 0 & 1 Form Factor: 2280/22110 Key: M-Key
<b>System BIOS</b> <b>BIOS Type</b> AMI 32MB SPI Flash EEPROM <b>BIOS Features</b> ACPI 6.4 SMBIOS 3.5 or later UEFI 2.8 Plug and Play (PnP) USB Keyboard support
<b>Management</b> <b>Power Configurations</b> Power-on mode control for AC power loss recovery, Power button override mechanism, S3/S4/S5
<b>Security</b> <b>Hardware</b> Trusted Platform Module (TPM) 2.0
<b>PC Health Monitoring</b> <b>Voltage</b> System temperature, PCH temperature, Memory temperature, CPU temperature, 3.3V standby, +5V standby, +5V, +3.3V, +12V, CPU thermal trip support <b>FAN</b> 7x 4-pin fan headers (up to 7 fans)
<b>Operating Environment</b> <b>Operating Temperature Range</b> 0°C - 50°C (32°F - 122°F) <b>Non-Operating Temperature</b> <b>Range</b> -20°C - 60°C (-4°F - 140°F) <b>Operating Relative Humidity</b> <b>Range</b> 10% - 85% (non-condensing) <b>Non Operating Relative Humidity</b> <b>Range</b> 10% - 95% (non-condensing)

## Parts List

### Standard Parts (Bulk Package)

I/O Shield	
Part Number	MCP-260-00185-0B
Qty	1
Description	-

SATA Cables	
Part Number	CBL-0044L • <a href="#">Store</a> ( <a href="https://store.supermicro.com/supermicro-sata-flat-straight-straight-57-5cm-cable-cbl-0044l.html">https://store.supermicro.com/supermicro-sata-flat-straight-straight-57-5cm-cable-cbl-0044l.html</a> ).
Qty	2
Description	-

### Standard Parts (Retail Package)

I/O Shield	
Part Number	MCP-260-00185-0B
Qty	1
Description	-

Quick Reference Guide	
Part Number	MNL-2627-QRG
Qty	1
Description	-

SATA Cables	
Part Number	CBL-0044L • <a href="#">Store</a> ( <a href="https://store.supermicro.com/supermicro-sata-flat-straight-straight-57-5cm-cable-cbl-0044l.html">https://store.supermicro.com/supermicro-sata-flat-straight-straight-57-5cm-cable-cbl-0044l.html</a> ).
Qty	4
Description	-

### Optional Parts

1U I/O Shield	
Part Number	MCP-260-00186-0N
Qty	1
Description	-

TPM security module (optional, not included)				
Part Number	AOM-TPM-9671H	AOM-TPM-9671V	AOM-TPM-9670V	AOM-TPM-9670H
Qty	1	1	1	1
Description	-	-	SPI capable TPM 2.0 with Infineon 9670 controller with vertical form factor	SPI capable TPM 2.0 with Infineon 9670 controller with horizontal form factor

[Global SKU \(/de/products/SMC\\_global\\_skus\)](#)