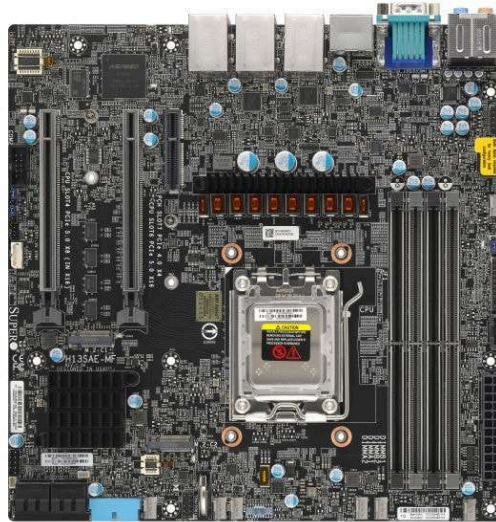


H13SAE-MF **New**



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 \(/en/products/system/mainstream/1u/as-1015a-mt\)](/en/products/system/mainstream/1u/as-1015a-mt)

[AS -3015A-I \(/en/products/system/mainstream/tower/as-3015a-i\)](/en/products/system/mainstream/tower/as-3015a-i)

[AS -2015A-TR \(/en/products/system/mainstream/2u/as-2015a-tr\)](/en/products/system/mainstream/2u/as-2015a-tr)

Specifications

Product SKUs

MBD-H13SAE-MF

Physical Stats

Form Factor

Micro-ATX

Dimension

9.6" x 9.6" (24.384cm x 24.384cm)

Processor

CPU

AMD Ryzen™ 7000 series Processors

Single Socket LGA-1718 (Socket AM5) supported, CPU TDP supports

Up to 170W TDP

Core

Up to 16 cores, 32 threads

System Memory

Memory Capacity

4 DIMM slots

Memory Type

5200/4800/3600 MT/s Up to 192GB of memory with speeds of up to

5200MT/s (1DPC)/ 3600MT/s (2DPC)

DIMM Sizes

8GB, 16GB, 24GB, 32GB, 48GB

Memory Voltage

1.1V

On-Board Devices

Chipset

B650

SATA

4 SATA3 ports; RAID 0,1,10

IPMI

ASPEED AST2600 BMC

Audio

ALC 888S HD Audio

Network Controllers

Dual LAN with Intel® i210 Gigabit Ethernet Controller

Single LAN with ASPEED AST2600 BMC, Dedicated LAN for IPMI

Input / Output

USB

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)

Video Output

1 HDMI 2.0 port(s), 1 DP 1.4a port(s), 2 rear type C port(s) DP 1.4 Alt mode

Serial Port

1 COM Port(s) (1 header)

TPM

1 TPM Header

Expansion Slots

PCIe

1 PCIe 4.0 x4,

2 PCIe 5.0 x16 slots (16/NA or 8/8)

M.2

M.2 Interface: 2 PCIe 5.0 x4, RAID 0 & 1

Form Factor: 2280/22110

Key: M-Key

System BIOS

BIOS Type

AMI 32MB SPI Flash EEPROM

BIOS Features

ACPI 6.4

SMBIOS 3.5 or later

UEFI 2.8

Plug and Play (PnP)

USB Keyboard support

Management

Software

[Redfish API \(/manuals/other/RedfishRefGuide.pdf\)](/manuals/other/RedfishRefGuide.pdf),

[Supermicro Server Manager \(SSM\)](#)

[\(/solutions/SMS_SSM.cfm\)](/solutions/SMS_SSM.cfm), [Supermicro Update Manager](#)

[\(/solutions/SMS_SUM.cfm\)](/solutions/SMS_SUM.cfm), [SuperDoctor® 5](#)

[\(/en/solutions/management-software/superdoctor\)](/en/solutions/management-software/superdoctor),

[Super Diagnostics Offline \(/en/solutions/management-](/en/solutions/management-software/super-diagnostics-offline)

[software/super-diagnostics-offline\)](/en/solutions/management-software/super-diagnostics-offline), [KVM with dedicated](#)

[LAN](#)

[\(/manuals/other/BMC_IPMI_X13_H13.pdf#page=112\)](/manuals/other/BMC_IPMI_X13_H13.pdf#page=112),

[IPMI 2.0 \(/solutions/IPMI.cfm\)](/solutions/IPMI.cfm).

Power Configurations

Power-on mode control for AC power loss recovery, Power button

override mechanism, S3/S4/S5

Security

Hardware

Trusted Platform Module (TPM) 2.0

PC Health Monitoring

Voltage

System temperature, PCH temperature, Memory temperature, CPU

temperature, 3.3V standby, +5V standby, +5V, +3.3V, +12V, CPU thermal

trip support

FAN

7x 4-pin fan headers (up to 7 fans)

Operating Environment

Operating Temperature Range

0°C - 50°C (32°F - 122°F)

Non-Operating Temperature Range

-20°C - 60°C (-4°F - 140°F)

Operating Relative Humidity Range

10% - 85% (non-condensing)

Non Operating Relative Humidity Range

10% - 95% (non-condensing)

Parts List

Standard Parts (Bulk Package)

I/O Shield

Part Number MCP-260-00185-0B

Qty 1

Description -

SATA Cables

