H13SRD-F (For A+ Server Only) New

MicroCloud

Key Features

AMD Ryzen™ 7000 series Processors, Single Socket LGA-1718 (Socket AM5) supported,APU TDP supports Up to 170W TDP.

Up to 128GB ECC/non-ECC Unbuffered DIMM, DDR5-5200MHz, in 4 DIMM slots.

1 PCIe 5.0 x8 (Micro Low Profile)

1 PCIe 5.0 x8 (Low Profile, Open End).

1 VGA Port;2 USB 2.0 Ports; 1 Serial Port via KVM Connector.

1 LAN port;Realtek RTL8211FS PHY for dedicated IPMI.

M.2 Interface:PCIe 5.0 x2,**M.2 Form Factor:** 2280/22110.

Optimized Servers

AS -3015MR-H8TNR

Specifications

Product SKUs
MBD-H13SRD-F

Physical Stats
Form Factor
Proprietary
Dimension
4.75" x 15.69" (12.07cm x 39.85cm)

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
Up to 128GB Unbuffered 3DS ECC/non-ECC UDIMM, DDR5-5200MHz
Memory Type
5200/4800/3600 MT/s Up to 128GB of memory with speeds of up to
5200MT/s (2DPC)/ 3600MT/s (1DPC)
DIMM Sizes
8GB, 16GB, 32GB
Memory Voltage
1.1V
Error Detection
Detects double-bit errors (using ECC memory)

On-Board Devices
Chipset
System on Chip
IPMI
ASPEED AST2600 BMC
Network Controllers
Single LAN with ASPEED AST2600 BMC, Via BPN connector

Input / Output
SATA
2 SATA port(s) Link to AOC SAS Card
USB
1 USB 3.2 Gen2 port(s) (1 type C)
2 USB 2 port(s) (2 rear Via KVM connector)
Video Output
1 VGA port(s) Via KVM connector
Serial Port
1 COM Port(s) (1 Serial Port Via KVM connector)
TPM
1 TPM Header & Chip both

Expansion Slots
PCIe
1 PCIe 5.0 x8 (Low Profile),
1 PCIe 5.0 x8 (Micro Low Profile)
M.2
M.2 Interface: 1 PCIe 5.0 x2
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
Power Configurations
ACPI Power Management, Power-on mode control for AC power loss
recovery, Power button override mechanism, Wake-On-LAN

Security
Hardware
Trusted Platform Module (TPM) 2.0

PC Health Monitoring
Voltage
VBAT, Memory temperature, CPU temperature, 3.3V standby, +5V
standby, +5V, +3.3V, +12V, VRM temperature, CPU thermal trip
support, 1.8V standby, 1-fan status
LED
UID/Remote UID
Power LED
BMC/IPMI Heartbeat LED
CPU / System Overheat LED
FAN
Low noise fan speed control

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