



ATX

Key Features

- AMD EPYC™ 9004 series Processors
- System on Chip
- Up to 3TB 3DS ECC RDIMM, DDR5-4800MHz in 12 DIMM slots
- 3 PCIe 5.0 x16 2 PCIe 5.0 x8
- Up to 6 USB 3.0 ports(4 rear + 2 via header)
- 8 SATA3
- 6 PWM 4-pin Fans with tachometer status monitoring
- M.2 Interface:** 2 PCIe 4.0 x4 **M.2 Form Factor:** 2280, 22110

Specifications

Product SKUs MBD-H13SSL-N
Physical Stats Form Factor ATX
Dimension 12" x 10.1" (30.48cm x 25.65cm)
Processor CPU AMD EPYC™ 9004 series Processors (/de/support/resources/cpu-amd-epyc-9004-7003) Single Socket SP5 supported, CPU TDP supports Up to 400W TDP
Core Up to 128 cores, 256 threads
System Memory Memory Capacity 12 DIMM slots Up to 3TB 3DS ECC Registered RDIMM, DDR5-4800MHz
Memory Type 4800 MT/s ECC DDR5 RDIMM (3DS) Up to 256GB of memory with speeds of up to 4800MHz (1DPC)
DIMM Sizes 16GB, 24GB, 32GB, 40GB, 48GB, 64GB, 80GB, 96GB, 128GB, 192GB, 256GB
Memory Voltage 1.1V
Error Detection Corrects single-bit errors Detects double-bit errors (using ECC memory)
On-Board Devices Chipset System on Chip
Network Controllers Dual LAN with Broadcom BCM5720 1GBase-T
Input / Output SATA 8 SATA3 (6Gbps) port(s) LAN 1 RJ45 Dedicated IPMI LAN port
USB 6 USB 3.0 port(s) (4 USB; 2 via header)
Video Output 1 VGA port(s)
Serial Port 1 COM Port(s) (1 header)
TPM 1 TPM Header
Others 1 MCIO (PCIe 5.0 x8/SATA3) Port(s) 2 MCIO (PCIe 5.0 x8) Port(s)

Expansion Slots PCIe 3 PCIe 5.0 x16 (in x16 slot), 2 PCIe 5.0 x8 M.2 M.2 Interface: 2 SATA/PCIe 4.0 x4 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) , Supermicro Server Manager (SSM) , (/solutions/SMS_SSM.cfm) , Supermicro Update Manager (SUM) , (/solutions/SMS_SUM.cfm) , SuperDoctor® 5 (/en/solutions/management-software/superdoctor) , Super Diagnostics Offline (/en/solutions/management-software/super-diagnostics-offline) , KVM with dedicated LAN (/manuals/other/BMC_IPMI_X13_H13.pdf#page=112) , IPMI 2.0 (/solutions/IPMI.cfm)
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
LED UID/Remote UID BMC/IPMI Heartbeat LED
Other Features RoT FAN 6x 4-pin fan headers (up to 6 fans)
Operating Environment Operating Temperature Range 10°C - 35°C (50°F - 95°F) Non-Operating Temperature Range -40°C - 70°C (-40°F - 158°F) Operating Relative Humidity Range 8% - 90% (non-condensing) Non Operating Relative Humidity Range 5% - 95% (non-condensing)

Parts List

Standard Parts (Bulk Package)

I/O Shield

Part Number	MCP-260-00073-0N
Qty	1
Description	STD I/O SHIELD

SATA cable

Part Number	CBL-0044L • Store (https://store.supermicro.com/supermicro-sata-flat-straight-straight-57-5cm-cable-cbl-0044l.html).
Qty	6
Description	57.5 cm SATA FLAT S-S PBF

Standard Parts (Retail Package)

I/O Shield

Part Number	MCP-260-00073-0N
Qty	1
Description	Standard I/O Shield

SATA Cables

Part Number	CBL-0044L • Store (https://store.supermicro.com/supermicro-sata-flat-straight-straight-57-5cm-cable-cbl-0044l.html).
Qty	6
Description	57.5CM SATA FLAT S-S PBF

Optional Parts

TPM security module (optional, not included)

Part Number	AOM-TPM-9670V
Qty	1
Description	SPI capable TPM 2.0 with Infineon 9670 controller with horizontal form factor
