



**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
- 2x 10GBase-T LAN Ports via Broadcom BCM57416
- Up to 6 USB 3.0 ports(4 rear + 2 via header)
- 8 SATA3
- ASPEED AST2600 BMC graphics
- 6 PWM 4-pin Fans with tachometer status monitoring
- M.2 Interface:** 2 PCIe 4.0 x4 **M.2 Form Factor:** 2280, 22110

**Specifications**

<b>Product SKUs</b> MBD-H13SSL-NT
<b>Physical Stats</b> <b>Form Factor</b> ATX
<b>Dimension</b> 12" x 10.1" (30.48cm x 25.65cm)
<b>Processor</b> <b>CPU</b> <a href="#">AMD EPYC™ 9004 series</a> <b>Processors</b> <a href="#">(//de/support/resources/cpu-amd-epyc-9004-7003)</a> Single Socket SP5 supported, CPU TDP supports Up to 400W TDP
<b>Core</b> Up to 128 cores, 256 threads
<b>System Memory</b> <b>Memory Capacity</b> 12 DIMM slots Up to 3TB 3DS ECC Registered RDIMM, DDR5-4800MHz
<b>Memory Type</b> 4800 MT/s ECC DDR5 RDIMM (3DS) Up to 256GB of memory with speeds of up to 4800MHz (1DPC)
<b>DIMM Sizes</b> 16GB, 24GB, 32GB, 40GB, 48GB, 64GB, 80GB, 96GB, 128GB, 192GB, 256GB
<b>Memory Voltage</b> 1.1V
<b>Error Detection</b> Corrects single-bit errors Detects double-bit errors (using ECC memory)
<b>On-Board Devices</b> <b>Chipset</b> System on Chip
<b>Network Controllers</b> Dual LAN with Broadcom BCM57416 10GBase-T
<b>Input / Output</b> <b>SATA</b> 8 SATA3 (6Gbps) port(s) <b>LAN</b> 1 RJ45 Dedicated IPMI LAN port
<b>USB</b> 6 USB 3.0 port(s) (4 USB; 2 via header)
<b>Video Output</b> 1 VGA port(s)
<b>Serial Port</b> 1 COM Port(s) (1 header)
<b>TPM</b> 1 TPM Header
<b>Others</b> 1 MCIO (PCIe 5.0 x8/SATA3) Port(s) 2 MCIO (PCIe 5.0 x8) Port(s)

<b>Expansion Slots</b> <b>PCIe</b> 3 PCIe 5.0 x16 (in x16 slot), 2 PCIe 5.0 x8
<b>M.2</b> M.2 Interface: 2 SATA/PCIe 4.0 x4 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 Software</b> <b>Redfish API</b> <a href="#">(//manuals/other/RedfishRefGuide.pdf)</a> , <b>Supermicro Server Manager (SSM)</b> , <a href="#">(//solutions/SMS_SSM.cfm)</a> , <b>Supermicro Update Manager (SUM)</b> , <a href="#">(//solutions/SMS_SUM.cfm)</a> , <b>SuperDoctor® 5</b> <a href="#">(//en/solutions/management-software/superdoctor)</a> , <b>Super Diagnostics Offline</b> <a href="#">(//en/solutions/management-software/super-diagnostics-offline)</a> , <b>KVM with dedicated LAN</b> <a href="#">(//manuals/other/BMC_IPMI_X13_H13.pdf#page=112)</a> , <b>IPMI 2.0</b> <a href="#">(//solutions/IPMI.cfm)</a>
<b>Security Hardware</b> Trusted Platform Module (TPM) 2.0
<b>PC Health Monitoring Voltage</b> VBAT, Memory temperature, CPU temperature, 3.3V standby, +5V standby, +5V, +3.3V, +12V, VRM temperature, CPU thermal trip support, 1.8V standby
<b>LED</b> UID/Remote UID BMC/IPMI Heartbeat LED
<b>Other Features</b> RoT
<b>FAN</b> 6x 4-pin fan headers (up to 6 fans)
<b>Operating Environment</b> <b>Operating Temperature Range</b> 10°C - 35°C (50°F - 95°F) <b>Non-Operating Temperature Range</b> -40°C - 70°C (-40°F - 158°F) <b>Operating Relative Humidity Range</b> 8% - 90% (non-condensing) <b>Non Operating Relative Humidity Range</b> 5% - 95% (non-condensing)

## Parts List

### Standard Parts (Bulk Package)

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

SATA Cables	
Part Number	CBL-0044L • <a href="#">eStore</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	6
Description	57.5CM SATA FLAT S-SPBF

### Standard Parts (Retail Package)

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

SATA cable	
Part Number	CBL-0044L • <a href="#">eStore</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	6
Description	57.5 cm 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

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