BigTwin™

No-compromise 2U 4-node Twin architecture

Each node supports • Dual EPYC™ 7000 Series • Up to 2TB DDR4 memory in 16 DIMM slots • 2 PCI-E 3.0 x16 LP slots • SIOM networking • NVMe/SAS3/SATA3 options • Redundant 2200W Titanium Level power supplies

Model | All-Flash NVMe | Hybrid NVMe/SAS3/SATA3 | SATA3 Model
---|---|---|---
Form Factor | 2U rackmount | 2U rackmount | 2U rackmount
Drive Bays | 6 hot-swap U.2 NVMe drives per node | 6 hot-swap 2.5" SAS3/SATA3 drives (4 of 6 supports NVMe) per node | 6 hot-swap 2.5" SATA3 drives per node

### SIOM Networking Options

- 2x GbE RJ45: AOC-MGP-i2
- 4x GbE RJ45: AOC-MGP-i4
- 2x 10GbE SFP+: AOC-MTN-i2S
- 2x 10GbE SFP+: AOC-MTG-i4S
- 2x 10GbE RJ45: AOC-MTG-i2T
- 4x 10GbE RJ45: AOC-MTG-i4T
- 2x 25GbE SFP28 & 2x GbE RJ45: AOC-MH25G-b2S2G
- 2x 25GbE SFP28 & 2x 10GbE RJ45: AOC-MH25G-m2S2T
- 2x FDR IB QSFP & 2x GbE RJ45: AOC-MHIBF-m2Q2G
- 1x FDR IB QSFP & 2x GbE RJ45: AOC-MHIBF-m1Q2G
- 1x EDR IB/100GbE QSFP28 & 1x GbE RJ45: AOC-MHIBE-m1CG
- 2 PCI-E 3.0 x16 LP slots
- Dual EPYC™ 7000 Series
- 16 DIMM slots DDR4
- Redundant 2200W Titanium Level Power Supplies
- SIOM slot
- Dedicated IPMI/KVM LAN Port
- 2 USB 3.0 Ports
- No-compromise 2U 4-node Twin architecture

*Supermicro® Supermicro A+ Server Solutions - November 2017*
**Ultra**

*Industry leading IOPS, energy efficiency and flexibility*

- Dual EPYC™ 7000 Series
- Up to 4TB DDR4 memory in 32 DIMM slots
- NVMe/SAS3 options
- 25G/10G/1G Ethernet options
- Redundant Titanium Level power supplies

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**SuperServers**

**Supermicro A+ Server Solutions - November 2017**

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---|---|---|---|---
**Form Factor** | 1U rackmount | 1U rackmount | 2U rackmount | 2U rackmount
**Drive Bays** | - **-TR4**: 10x 2.5" hot-swap SATA3 or 8 SATA3 + 2 NVMe drive bays (optional) | 4x 3.5" hot-swap SATA3 drive bays (optional 4 NVMe supported) | 24 hot-swap U.2 NVMe drive bays | - **-TN10RT**: 10 hot-swap U.2 NVMe drive bays (as shown in picture above) • 12x 3.5" hot-swap drive bays • Optional 4 NVMe/SATA3 hybrid ports (as shown in picture above)
**Expansion Slots** | 2 PCI-E x16 (FH/HL 9.5") slots • 1 PCI-E x8 (LP) slot | 2 PCI-E x16 (FH/HL 9.5") slots • 1 PCI-E x8 (LP) slot | N/A | 2 PCI-E x16 (FH/FL) slots • 4 PCI-E x8 (FH/HL) slots • 1 PCI-E x8 (LP) slot
**Connectivity** | - **-TR4**: Quad GbE RJ45 ports | Quad GbE RJ45 ports | Dual 25G SFP28 Ethernet ports | Quad GbE RJ45 ports
**Power Supply** | Redundant 1000W Titanium Level | Redundant 1000W Titanium Level | Redundant 1600W Titanium Level | Redundant 1600W Titanium Level

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**AS-4023S-TRT**
- 2 PCI-E 3.0 x16 and 3 PCI-E 3.0 x8 slots
- 8x 3.5" hot-swap SAS3/SATA3 (optional 2x NVMe drive bays) and 2x 5.25" peripheral drive bays
- 1x M.2 NVMe slot
- Redundant 1280W Platinum Level power supplies
- Tower/4U rackmount

**AS-1013S-MT/MTR**
- 1 PCI-E 3.0 x16 slot
- 4x 3.5" hot-swap SATA3 drive bays and 1x M.2 NVMe slot
- **-MT**: 350W Platinum Level power supply
- **-MTR**: Redundant 400W Platinum Level power supplies
- 1U rackmount

**AS-2013S-TR**
- 2 PCI-E 3.0 x16 and 4 PCI-E 3.0 x8 LP slots
- 8x 3.5" hot-swap SATA3 drive bays and 1x M.2 NVMe slot
- Redundant 720W Platinum Level power supplies
- 2U rackmount
## Dual EPYC™ 7000 Series EATX

![Dual EPYC™ 7000 Series EATX](image)

### Single EPYC™ 7000 Series ATX

![Single EPYC™ 7000 Series ATX](image)

### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>H11DSi / H11DSi-NT</th>
<th>H11SSL-i / H11SSL-C / H11SSL-NC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form Factor</td>
<td>EATX</td>
<td>ATX</td>
</tr>
<tr>
<td>Processor Support</td>
<td>Dual AMD EPYC™ 7000 Series processors (Socket SP3)</td>
<td>Single AMD EPYC™ 7000 Series processor (Socket SP3)</td>
</tr>
<tr>
<td>Memory Support</td>
<td>16 DDR4-2666 DIMM slots</td>
<td>8 DDR4-2666 DIMM slots</td>
</tr>
<tr>
<td>Max Memory</td>
<td>2TB</td>
<td>1TB</td>
</tr>
</tbody>
</table>
| Expansion Slots      | • 3 PCI-E 3.0 x8 slots  
                       | • 2 PCI-E 3.0 x16 slots | • 3 PCI-E 3.0 x16 slots  
                       | • 3 PCI-E 3.0 x8 slots | • 3 PCI-E 3.0 x8 slots |
| Storage Interfaces   | • 10 SATA3 ports 
                       | • 2 SATA DOM ports 
                       | • 1 M.2 NVMe slot | - NT: • 10 SATA3 ports 
                       | - NT: • 2 SATA DOM ports 
                       | - NT: • 1 M.2 NVMe slot | - NT: • 2 SATA DOM ports 
                       | - NT: • 2 NVMe slot | - NT: • 2 NVMe slot |
| Networking Interfaces| • Dual Gigabit Ethernet RJ45 ports | • Dual Gigabit Ethernet RJ45 ports |
| Onboard Video        | 1 VGA port via ASpeed AST2500 BMC | 1 VGA port via ASpeed AST2500 BMC |
| USB Ports            | • 2 USB 3.0 ports (rear)  
                       | • 4 USB 2.0 ports (2 rear + 2 via header) | • 5 USB 3.0 ports (2 rear + 2 via header + 1 Type A)  
                       | • 2 USB 2.0 ports (2 rear + 2 via header) | • 4 USB 2.0 ports (2 rear + 2 via header) |
| Other Onboard I/O    | • 1 COM port  
                       | • 2 SATA DOM power connectors 
                       | • 1 TPM 1.2 header | • 2 SATA DOM power connectors  
                       | • 1 COM port |

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