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 AS-2123BT-HNR | Hybrid NVMe/SAS3/SATA3 AS-2123BT-HNC0R | SATA3 Model AS-2123BT-HTR |
--- | --- | --- | --- |
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
- 4x GbE RJ45
- 2x 10GbE SFP+
- 4x 10GbE SFP+
- 2x 25GbE SFP28 & 2x GbE RJ45
- 2x 25GbE SFP28 & 2x 10GbE RJ45
- 2x FDR IB QSFP & 2x GbE RJ45
- 1x FDR IB QSFP & 2x 10GbE RJ45
- 1x EDR IB/100GbE QSFP28 & 1x GbE RJ45
Supermicro A+ Server Solutions

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

SuperServers

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<tr>
<td>Form Factor</td>
<td>1U rackmount</td>
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</table>
| Drive Bays  | - **TR4**: 10x 2.5” hot-swap SATA3 or 8 SATA3 + 2 NVMe drive bays (optional)  
- **TN10RT**: 10 hot-swap U.2 NVMe drive bays (as shown in picture above) | 4x 3.5” hot-swap SATA3 drive bays (optional 4 NVMe supported) | 24 hot-swap U.2 NVMe drive bays | - 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  
- **TN10RT**: Dual 10GbE 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 |

- Dual EPYC™ 7000 Series  
- 16 DIMM slots DDR4  
- Dual 10GbE

- Single EPYC™ 7000 Series  
- 8 DIMM slots DDR4  
- Dual GbE

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

Supermicro A+ Server Solutions - March 2018
## Dual EPYC™ 7000 Series EATX

- **Model**: H11DSi / H11DSi-NT
- **Form Factor**: EATX
- **Processor Support**: Dual AMD EPYC™ 7000 Series processors (Socket SP3)
- **Memory Support**: 16 DDR4-2666 DIMM slots
- **Max Memory**: 2TB
- **Expansion Slots**:
  - 3 PCI-E 3.0 x8 slots
  - 2 PCI-E 3.0 x16 slots
- **Storage Interfaces**:
  - 10 SATA3 ports
  - 2 SATA DOM ports
  - 1 M.2 NVMe slot
- **Networking Interfaces**:
  - Dual Gigabit Ethernet RJ45 ports
- **Onboard Video**: 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)
- **Other Onboard I/O**:
  - 1 COM port
  - 2 SATA DOM power connectors
  - 1 TPM 1.2 header

## Single EPYC™ 7000 Series ATX

- **Model**: H11SSL-i / H11SSL-C / H11SSL-NC
- **Form Factor**: ATX
- **Processor Support**: Single AMD EPYC™ 7000 Series processor (Socket SP3)
- **Memory Support**: 8 DDR4-2666 DIMM slots
- **Max Memory**: 1TB
- **Expansion Slots**:
  - 3 PCI-E 3.0 x16 slots
  - 3 PCI-E 3.0 x8 slots
- **Storage Interfaces**:
  - 16 SATA3 ports
  - 1 M.2 NVMe slot
  - 2 SATA DOM ports (NT)
  - 1 M.2 NVMe slot
  - 2 SATA DOM ports
- **Networking Interfaces**:
  - Dual Gigabit Ethernet RJ45 ports
- **Onboard Video**: Dual Gigabit Ethernet RJ45 ports
- **USB Ports**:
  - 5 USB 3.0 ports (2 rear + 2 via header + 1 Type A)
  - 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

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