# BigTwin A+ Server AS -2124BT-HTR

2U BigTwin with 6 2.5" SATA drives per node

More details here

## Key Applications

Hyperscale / Hyperconverged, Enterprise Server, Compute Intensive Applications, Data Center, High Performance Computing (HPC),



## Key Features

- Four hot-pluggable systems (nodes) in a 2U form factor. Each node supports the following:;
- Dual AMD EPYC™ 7003/7002 Series Processors
  (7003 Series Processor drop-in support requires BIOS version 2.0 or newer);
- Up to 4TB ECC 3DS LRDIMM, up to DDR4-3200MHz; 16 DIMM slots;
- 2 PCIe4.0 x16 (LP) slot;
  1 SIOM card support
  (flexible networking)
  Note: must bundle with Network card;
- Integrated IPMI 2.0 + KVM with dedicated LAN
  • Software Out of Band License key (SFT-OOB-LIC) included for OOB BIOS management;
- 6 Hot-swap 2.5" SATA3 drive bays
  M.2 Interface: 1 PCIe 3.0 x4 NVMe/SATA
  M.2 Form Factor: 2280, 22110
  M.2 Key: M-key;

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|---|---|
| Form Factor | 2U Rackmount<br>Enclosure: 449 x 88 x 730mm (17.68" x 3.47" x 28.75")<br>Package: 626 x 248 x 1150mm (24.65" x 9.76" x 45.28") |
| Processor | Dual Socket SP3<br>AMD EPYC™ 7002/7003 Series Processors |
| System Memory | Slot Count: 16 DIMM slots<br>Max Memory (1DPC): Up to 4TB 3200MT/s ECC DDR4 RDIMM/LRDIMM |
| Drive Bays Configuration | Default: Total 6 bays<br>• 6 front hot-swap 2.5" SATA drive bays |
| Expansion Slots | PCI-Express (PCIe) Configuration: Default<br>• 2 PCIe 4.0 x16 LP slots<br>M.2: 1 M.2 PCIe 3.0 x4 NVMe/SATA slot (M-key 2280/22110) |
| On-Board Devices | Network Connectivity: Ethernet<br>InfiniBand<br>IPMI: Support for Intelligent Platform Management Interface v.2.0<br>IPMI 2.0 with virtual media over LAN and KVM-over-LAN support |
| Input / Output | LAN: 1 RJ45 1 GbE Dedicated BMC LAN port<br>USB: 2 USB 3.0 ports (rear)<br>Video: 1 VGA port<br>DOM: 1 SuperDOM (Disk on Module) port |

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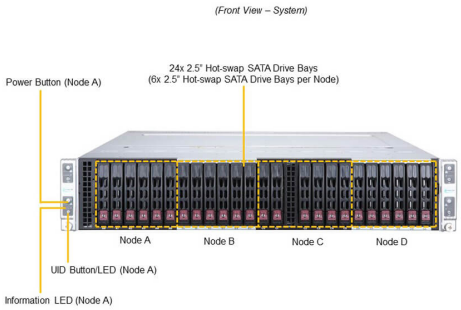


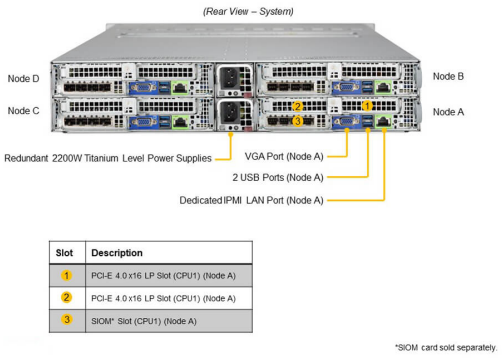


| Slot | Description |
|---|---|
| 1 | PCI-E 4.0 x16 LP Slot (CPU1) (Node A) |
| 2 | PCI-E 4.0 x16 LP Slot (CPU1) (Node A) |
| 3 | SIOM* Slot (CPU1) (Node A) |

*SIOM card sold separately.

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|---|---|
| System Cooling | Fans: Up to 4 Heavy-duty PWM 8cm Fan(s) |
| Power Supply | 2x 2200W Redundant (1 + 1) Titanium Level (96%) power supplies |
| System BIOS | BIOS Type: AMI 32MB SPI FLASH ROM |
| Management | Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); KVM with dedicated LAN ; IPMI 2.0; Watch Dog |
| Dimensions and Weight | Weight: Gross Weight: 96.6 lbs (43.8 kg)<br>Net Weight: 66.1 lbs (30 kg)<br>Available Color: Black front & silver body |
| Operating Environment | RoHS Compliant<br>Operating Temperature: 10°C to 30°C (50°F to 86°F)<br>Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)<br>Operating Relative Humidity: 8% to 90% (non-condensing)<br>Non-operating Relative Humidity: 5% to 95% (non-condensing) |
| Motherboard | **A+ Motherboard® H12DST-B** |
| Chassis | **CSE-217BHQ+-R2K22BP2** |

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