FatTwin A+ Server AS -F2014S-RNTR

4U 4-node FatTwin with 8 3.5" SATA (optional NVMe) per node

More details here

Key Applications

Virtualization, Hyperscale / Hyperconverged, Big Data, Data Center Enterprise Applications, Scale-Out Storage, Telco Data Center, High Performance Computing (HPC),

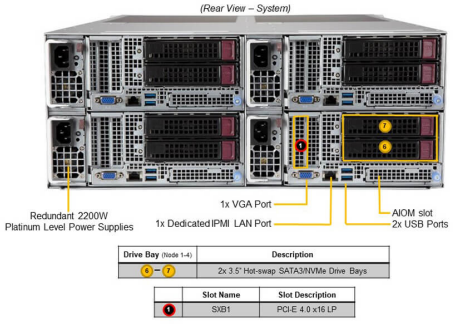


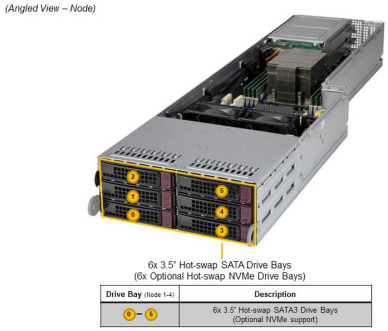
Key Features

- Four hot-pluggable systems (nodes) in a 4U form factor. Each node supports the following:;
- Single AMD EPYC™ 7003/7002 Series Processor
  (The latest AMD EPYC™ 7003 Series Processor with AMD 3D V-Cache™ Technology requires BIOS version 2.3 or newer);
- Up to 2TB ECC 3DS LRDIMM
  up to DDR4-3200MHz; 8 DIMM slots;
- Expansion slots: 1 PCIe 4.0 x16 LP
  1 PCIe 4.0 x8 (for Internal RAID AOC);
- AIOM Network card
  1 dedicated IPMI LAN port;
- 8 Hot-swap 3.5" drive bays
  Front 6 SATA (Optional NVMe support), Rear 2 SATA/NVMe
  M.2 Interface: 4 SATA/PCIe 4.0 x4
  M.2 Form Factor: 2242, 2260, 2280, 22110
  M.2 Key: M-key;

Form Factor	4U Rackmount Enclosure: 448 x 177 x 737mm (17.63" x 6.96" x 29") Package: (28.3" x 15" x 42.4")
Processor	Single Socket SP3 AMD EPYC™ 7002/7003 Series Processors
System Memory	Slot Count: 8 DIMM slots Max Memory (1DPC): Up to 2TB 3200MT/s ECC DDR4 RDIMM/LRDIMM
Drive Bays Configuration	Default: Total 8 bays • 2 rear hot-swap 3.5"/2.5" NVMe/SATA drive bays • 6 front hot-swap 3.5" SATA drive bays Option A: Total 8 bays • 6 front hot-swap 3.5"/2.5" NVMe* drive bays • 2 rear hot-swap 2.5" NVMe/SATA drive bays (*NVMe support may require additional storage controller and/or cables, please see the optional parts list for details) M.2: 4 M.2 PCIe 4.0 x4 SATA slots (M-key 2242/2260/2280/22110)
Expansion Slots	Default • 1 PCIe 4.0 x16 LP slot • 1 PCIe 4.0 x8 INTERNAL slot
On-Board Devices	Network Connectivity: Ethernet IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 2 USB 3.0 ports (rear) Video: 1 VGA port TPM: 1 TPM header

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System Cooling	Fans: Up to 2x 13.5K RPM middle 8cm Fan(s)
Power Supply	4x 2200W Redundant (2 + 2) Titanium Level (96%) power supplies
System BIOS	BIOS Type: AMI 256MB SPI Flash EEPROM
Management	Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); KVM with dedicated LAN ; IPMI 2.0; Watch Dog
PC Health Monitoring	CPU: Monitors for CPU Cores Fan: Fans with tachometer monitoring Pulse Width Modulated (PWM) fan connectors Status monitor for speed control Temperature: Monitoring for CPU and chassis environment Thermal Control for fan connectors
Dimensions and Weight	Weight: Gross Weight: 200 lbs (90.71 kg) Net Weight: 150 lbs (68.04 kg) Available Color: Silver
Operating Environment	RoHS Compliant Operating Temperature: 10°C to 35°C (50°F to 95°F) Non-operating Temperature: -40°C to 60°C (-40°F to 140°F) Operating Relative Humidity: 8% to 90% (Non-Condensing) Non-operating Relative Humidity: 5% to 95% (Non-Condensing)
Motherboard	**A+ Motherboard® H12SSFR-AN6**
Chassis	**CSE-F418BC3-R2K20B**

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