FaTwin SuperServer SYS-F521E3-RTB

Key Applications

Hyperscale / Hyperconverged, HPC and Big Data, Data Center Enterprise
Applications, Telco Data Center and ETSI certified,

Key Features

- Single Socket E (LGA-4677) Supports 4th Gen Intel® Xeon® Scalable
  Processor;
- C741 Chipset;
- 16 DIMMs Up to 4TB DDR5 ; Two M.2 Internal Drives;
- NVMe/SATA/SAS options; Network Connectivity Via AIOM (OCP 3.0
  Compliant) ;
- AIOM and M.2 support; 1 AIOM card support (PCIe 5.0);
- Up to 8x SAS/SATA Hot Swap 3.5” Drives, or up to 6x NVMe Hot Swap 2.5”
  Drives + 2x SAS/SATA Hot Swap 3.5” Drives;

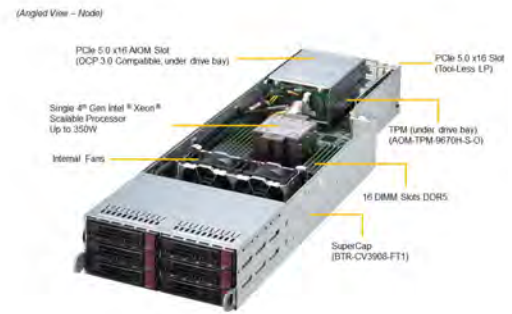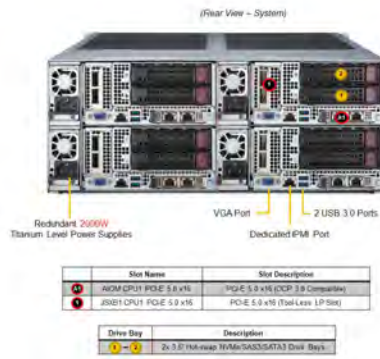|	
Form Factor	4U Rackmount Enclosure: 448 x 177 x 737mm (17.63" x 6.96" x 29") Package: (28.3" x 15" x 42")
Processor	4th Gen Intel® Xeon® Scalable processors Single Socket LGA-4677 (Socket E) supported (Supports up to 350W TDP CPUs (Aircooled), CPUs with high TDP (air cooled) only supported under specific conditions. Contact Technical Support for details)
System Memory	16 DIMM slots Up to 4TB DRAM, DDR5-4800MHz
Drive Bays	8x 3.5" hot-swap NVMe/SATA/SAS drive bays; 8x 2.5" NVMe hybrid; 8x 2.5" 7mm drive bays
Expansion Slots	1 PCIe 5.0 x16 LP slot(s) 1 AIOM slot(s)
On-Board Devices	Chipset: Intel® C741 Network Connectivity: 1x 1GbE RJ45 (BMC) 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	SATA: 14 SATA (6Gbps) port(s) LAN: 1 RJ45 Dedicated IPMI LAN port USB: 2 USB 3.0 port(s) (2 rear) Video: 1 VGA port(s)

(Rear View – System)

(Angled View – Node)

Slot Name	Slot Description
AIOM-CPU1 PCI-E 5.0 x16	PCI-E 5.0 x16 (OCP 3.0 Compatible)
JSXB1-CPU1 PCI-E 5.0 x16	PCI-E 5.0 x16 (Tool-Less LP Slot)

Drive Bay	Description
1 - 2	2x 3.5" Hot-swap NVMe/SAS3/SATA3 Drive Bays

System Cooling	2x 8cm heavy duty fan(s)
Power Supply	2000W 1U redundant power supply W73.5 x L203 x H40mm Dimension (W x H x L): 73.5 x 40 x 203 mm Output Type: Backplanes (gold finger)
System BIOS	BIOS Type: AMI 32MB SPI FLASH ROM
Management	SuperDoctor® 5; Watch Dog; SUM; IPMI 2.0; KVM with dedicated LAN; SPM; Intel® Node Manager; SSM

PC Health Monitoring	CPU: 4+1 Phase-switching voltage regulator
	    Monitors for CPU Cores, Chipset Voltages, Memory.
	FAN: Fans with tachometer monitoring
	    Status monitor for speed control
	    Pulse Width Modulated (PWM) fan connectors
	    2 80 mm Heavy Duty Fans per Node
	Temperature: Monitoring for CPU and chassis environment

Dimensions and Weight	Height: 6.96" (177 mm) Width: 17.63" (448 mm) Depth: 29" (737 mm) Gross Weight: 200 lbs (90.71 kg) Net Weight: 150 lbs (68.04 kg) Packaging: 15" x 28.3" x 42" Available Color: Black
Operating Environment	Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F) Non-operating Temperature: -40°C to 60°C (-40°F to 140°F) Operating Relative Humidity: 5% to 95% (8) Non-operating Relative Humidity: 90% to 5% (95)
Motherboard	Super X13SEFR-A
Chassis	CSE-F424AS4-R2K08BP