

FatTwin SuperServer SYS-F521E3-RTB

4U 4-Node FatTwin with 8 hot-swap 3.5" NVMe/SAS/SATA drives per node



More details here

Key Applications

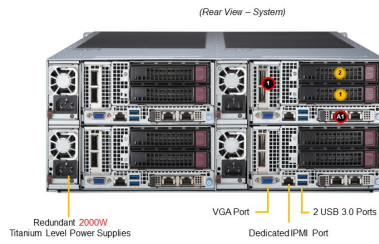
Hyperscale / Hyperconverged, HPC and Big Data, Data Center Enterprise Applications, Telco Data Center,

Key Features

- Single Socket E (LGA-4677) Supports 4th/5th Gen Intel® Xeon® Scalable Processor;
- C741 Chipset;
- Two M.2 Internal Drives;
- NVMe/SATA/SAS options;
- 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;
- Four **hot-pluggable** systems (nodes) in a 4U form factor. Each node supports the following;;

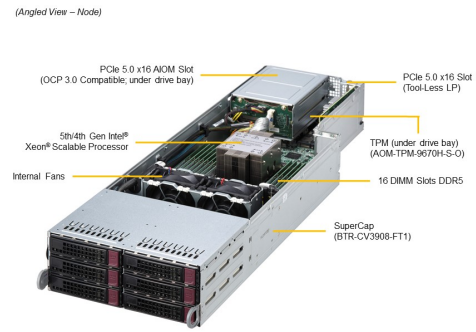


Form Factor	4U Rackmount Enclosure: 448 x 177 x 737mm (17.63" x 6.96" x 29") Package: (28.3" x 15" x 42")
Processor	Single Socket E (LGA-4677) 5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors Up to 60C/120T; Up to 112.5MB Cache
System Memory	Slot Count: 16 DIMM slots Max Memory (2DPC): Up to 4TB 5600MT/s ECC DDR5
Drive Bays Configuration	Default: Total 8 bay(s) <ul style="list-style-type: none"> • 2 rear hot-swap 3.5" NVMe/SAS/SATA drive bay(s) • 6 front hot-swap 3.5" NVMe*/SAS*/SATA drive bay(s) (*NVMe/SAS support may require additional storage controller and/or cables, please see the optional parts list for details) M.2: 2 M.2 PCIe 3.0 x2 NVMe/SATA slot(s) (M-key 2280/22110)
Expansion Slots	Default <ul style="list-style-type: none"> • 1 PCIe 5.0 x16 LP slot(s) • 1 PCIe 5.0 x16 AIOM slot(s) (OCP 3.0 compatible)
On-Board Devices	Chipset: Intel® C741 Network Connectivity: 1 RJ45 1GbE
Input / Output	LAN: 1 RJ45 1 GbE Dedicated IPMI LAN port(s) USB: 2 USB 3.0 port(s) (rear) Video: 1 VGA port(s)



Slot Name	Slot Description
AIOM CPU1 PCI-E 5.0 x16	PCI-E 5.0 x16 (OCP 3.0 Compatible)
J501 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 10MM/SAS3/SATA3 Drive Bays



System Cooling	Fans: 2x 8cm Fan(s)
Power Supply	1x 2000W Redundant Titanium Level (96%) power supply
System BIOS	BIOS Type: AMI 32MB SPI FLASH ROM
Management	SuperCloud Composer; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!
PC Health Monitoring	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 CPU: Monitors for CPU Cores, Chipset Voltages, Memory. 8+1 Phase-switching voltage regulator
Dimensions and Weight	Weight: Gross Weight: 200 lbs (90.71 kg) Net Weight: 150 lbs (68.04 kg) Available Color: Black
Operating Environment	Operating Temperature: °C ~ °C (°F ~ °F) Non-operating Temperature: °C to °C (°F to °F) Operating Relative Humidity: % to % () Non-operating Relative Humidity: % to % ()
Motherboard	Super X13SEFR-A
Chassis	CSE-F424AS4-R2K08BP