

# FatTwin SuperServer SYS-F521E3-RTB

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



## Key Applications

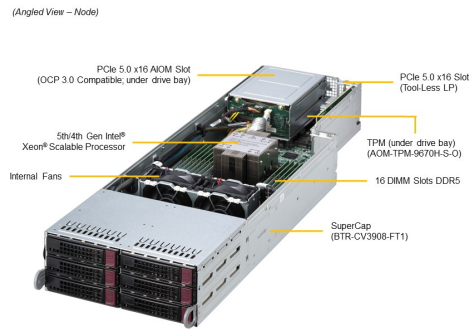
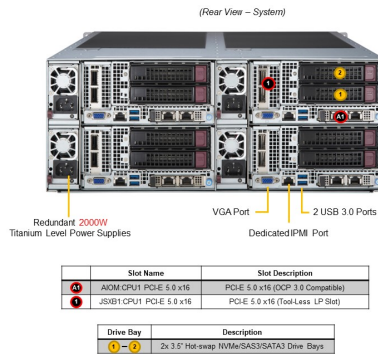
Hyperscale / Hyperconverged, HPC and Big Data, Data Center Enterprise Applications, Telco Data Center,

## Key Features

- Four **hot-pluggable** systems (nodes) in a 4U form factor. Each node supports the following;;
- Single Socket E (LGA-4677) Supports 4th/5th Gen Intel® Xeon® Scalable Processors;
- C741 Chipset;
- 2 internal M.2 drives;
- NVMe/SATA/SAS options;
- AIOM and M.2 support; single AIOM card support (PCIe 5.0);
- Up to 8 hot-swap 3.5" SAS/SATA drives, or up to 6 hot-swap 2.5" NVMe drives + 2 hot-swap 3.5" SAS/SATA drives;



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



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| System Cooling        | Fans: Up to 2x 8cm Fan(s)<br>Air Shroud: 1 Air Shroud                                                                                                                                                                                                                                                                    |
| Power Supply          | 1x 2000W Redundant Titanium Level (96%) power supply                                                                                                                                                                                                                                                                     |
| System BIOS           | BIOS Type: AMI 32MB SPI FLASH ROM                                                                                                                                                                                                                                                                                        |
| Management            | SuperCloud Composer® (SCC); 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  | CPU: 8+1 Phase-switching voltage regulator<br>Monitors for CPU Cores, Chipset Voltages, Memory.<br>Fan: 2 80 mm Heavy Duty Fans per Node<br>Fans with tachometer monitoring<br>Pulse Width Modulated (PWM) fan connectors<br>Status monitor for speed control<br>Temperature: Monitoring for CPU and chassis environment |
| Dimensions and Weight | Weight: Gross Weight: 200 lbs (90.71 kg)<br>Net Weight: 150 lbs (68.04 kg)<br>Available Color: Silver                                                                                                                                                                                                                    |
| Operating Environment | Operating Temperature: 10°C to 35°C (50°F to 95°F)<br>Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)<br>Operating Relative Humidity: 8% to 90% ()<br>Non-operating Relative Humidity: 5% to 95% ()                                                                                                            |
| Motherboard           | <a href="#">Super X13SEFR-A</a>                                                                                                                                                                                                                                                                                          |
| Chassis               | CSE-F424AS4-R2K08BP                                                                                                                                                                                                                                                                                                      |