

FatTwin SuperServer SYS-F511E2-RT

4U 8-Node FatTwin with 6 hot-swap 2.5" 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

- Eight **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 Processor;
- C741 Chipset;
- 2 internal M.2 drives;
- NVMe/SATA/SAS options;
- AIOM and M.2 support; Up to 2 AIOM card support (PCIe 5.0), one is optional.;
- Up to 6 hot-swap 2.5" SAS/SATA/NVMe drives;



Form Factor	4U Rackmount Enclosure: 448 x 177 x 737mm (17.63" x 6.96" x 29") Package: (28.3" x 15" x 42.4")
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 6 bays <ul style="list-style-type: none">• 6 front hot-swap 2.5" NVMe*/SAS*/SATA drive bays (*NVMe/SAS support may require additional storage controller and/or cables) 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">• 1 PCIe 5.0 x16 LP slot• 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible)• 1 PCIe 4.0 x16 AIOM slot (OCP 3.0 compatible)
On-Board Devices	Chipset: Intel® C741 Network Connectivity: 1 RJ45 1GbE
Input / Output	LAN: 1 RJ45 1GbE Dedicated BMC LAN port USB: 2 USB 3.0 ports(rear) Video: 1 VGA port

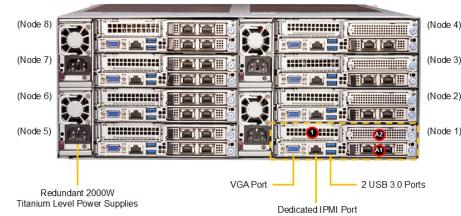
(Front View – System)



Drive Bay	Description
6 Hot-swap 2.5" NVMe/SAS/SATA Drive Bays*	

*iVMeSAS support requires additional parts in optional parts list

(Rear View – System)



Slot Description
PCIe 5.0 x16 LP
PCIe 5.0 x16 AIO/M (OCP 3.0)
Optional PCIe 4.0 x16 AIO/M (OCP 3.0)

System Cooling

Fans: Up to 4x 4cm Fan(s)
 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®; 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
 Monitors for CPU Cores, Chipset Voltages, Memory.
 FAN: 4 40 mm Heavy Duty Fans per Node
 Fans with tachometer monitoring
 Pulse Width Modulated (PWM) fan connectors
 Status monitor for speed control
 Temperature: Monitoring for CPU and chassis environment

Dimensions and Weight

Weight: Gross Weight: 200 lbs (90.71 kg)
 Net Weight: 150 lbs (68.04 kg)
 Available Color: Silver

Operating Environment

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-operating Relative Humidity: 5% to 95% ()

Motherboard[**Super X13SEFR-A**](#)**Chassis****CSE-F418BC4-R2K08BP**