

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
• 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

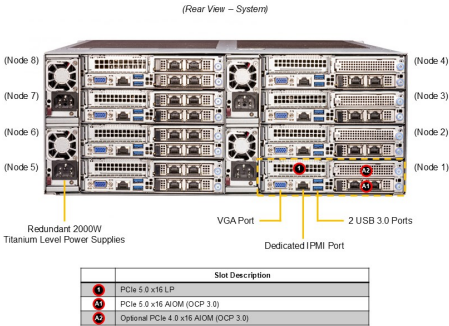
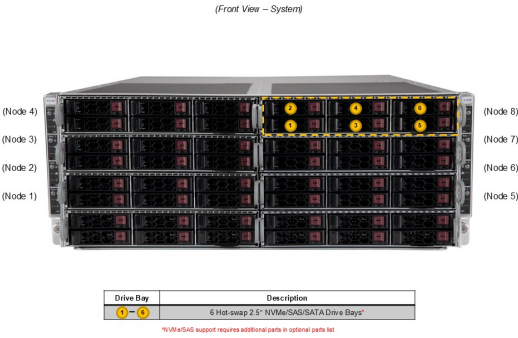
Default
• 1 PCIe 5.0 x16 LP slot
• 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible)
• 1 PCIe 4.0 x16 AIOM slot (OCP 3.0 compatible)

On-Board Devices

Chipset: Intel® C741
Network Connectivity: 1 RJ45 1GbE

Input / Output

LAN: 1 RJ45 1 GbE Dedicated BMC LAN port
USB: 2 USB 3.0 ports(rear)
Video: 1 VGA port



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