

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;



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|--------------------------|---|
| 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 | 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 |

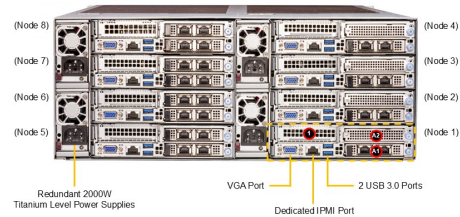
(Front View – System)



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

*NVMe/SAS support requires additional parts in optional parts list.

(Rear View – System)



| Slot Description | |
|------------------|--------------------------------------|
| 1 | PCIe 5.0 x16 LP |
| 2 | PCIe 5.0 x16 A1OM (OCP 3.0) |
| 3 | Optional PCIe 4.0 x16 A1OM (OCP 3.0) |

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|-----------------------|--|
| 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 | <u>Super X13SEFR-A</u> |
| Chassis | CSE-F418BC4-R2K08BP |