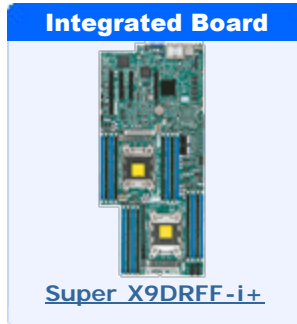


# SuperServer F627R3-FT+



Available Colors: Black

## Key Features

### 4 Hot-plug System Nodes in 4U Front I/O. Each node supports:

1. Dual socket R (LGA 2011) supports Intel® Xeon® processor E5-2600 and **E5-2600 v2** family†
2. Up to 1TB ECC DDR3, up to 1866MHz; 16x DIMM slots
3. 1 PCI-E 3.0 x16 (LP), 1 PCI-E 3.0 x8 (LP) and 1 PCI-E 2.0 x4 (LP)
4. Front I/O ports: 2 GbE LAN, 2 USB 2.0, and 1 VGA connector
5. Built-in Server management tool (IPMI 2.0, KVM/media over LAN) with dedicated LAN port
6. 2x 3.5" Hot-swap SATA HDDs
7. 1280W Redundant Power Supplies **Platinum Level (95%)**

Note: Image above may show a varied configuration or optional parts. Please refer to parts list for standard parts included.

## Specifications

### Product SKUs

- SYS-F627R3-FT+** ■ SuperServer F627R3-FT+ (**Black**)

### Motherboard

**Super X9DRFF-i+**

### Processor/Cache

- CPU**
- Dual Socket R (LGA 2011)
  - Intel® Xeon® processor E5-2600 and **E5-2600 v2** family† (up to 135W TDP \*)
- \* Please contact your Supermicro sales representative for additional details

**Note** † BIOS version 3.0 or above is required

**Cache** ■ Up to 30MB

**System Bus** ■ QPI up to 8 GT/s

### System Memory (per node)

- Memory Capacity**
- 16x 240-pin DDR3 DIMM slots
  - Up to 1TB DDR3 ECC LRDIMM
  - Up to 512GB DDR3 ECC Registered memory (RDIMM)
  - Up to 128GB DDR3 ECC Un-Buffered

### Chassis

**Form Factor** ■ 4U Rackmount

**Model** ■ **CSE-F424AL-R1K28B**

### Dimensions

**Width** ■ 17.63" (448mm)

**Height** ■ 6.96" (177mm)

**Depth** ■ 29" (737mm)

**Package** ■ 28.3" (W) x 15.0" (H) x 42.4" (D)

**Weight**

- Net Weight: 105 lbs (47.63 kg)
- Gross Weight: 150 lbs (68.04 kg)

**Available Colors** ■ Black

### Front Panel

**Buttons**

- Power On/Off button
- System Reset button



**LEDs**

- Power status LED
- Hard drive activity LED
- 2x Network activity LEDs
- System Overheat LED
- Power fail LED

### Expansion Slots (per node)

**PCI-Express** ■ 1 PCI-E 3.0 x16 (LP)

|                                  |   |
|----------------------------------|---|
| <b>Memory Type</b>               | memory (UDIMM)  |
| <b>Memory Type</b>               | <ul style="list-style-type: none"> <li>1866/1600/1333/1066/800MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs</li> </ul>   |
| <b>DIMM Sizes</b>                | <ul style="list-style-type: none"> <li>32GB, 16GB, 8GB, 4GB, 2GB, 1GB</li> </ul>  |
| <b>Memory Voltage</b>            | <ul style="list-style-type: none"> <li>1.5 V, 1.35 V</li> </ul>   |
| <b>Error Detection</b>           | <ul style="list-style-type: none"> <li>Corrects single-bit errors</li> <li>Detects double-bit errors (using ECC memory)</li> </ul>  |
| <b>On-Board Devices</b>          |   |
| <b>Chipset</b>                   | <ul style="list-style-type: none"> <li>Intel® C602 Chipset</li> </ul>   |
| <b>AHCI SATA</b>                 | <ul style="list-style-type: none"> <li>SATA 2.0 3Gbps with RAID 0, 1, 5, 10</li> <li>SATA 3.0 6Gbps with RAID 0, 1</li> </ul>   |
| <b>IPMI</b>                      | <ul style="list-style-type: none"> <li>Support for Intelligent Platform Management Interface v.2.0</li> <li>IPMI 2.0 with virtual media over LAN and KVM-over-LAN support</li> <li>Nuvoton WPCM450 BMC</li> </ul>   |
| <b>Network Controllers</b>       | <ul style="list-style-type: none"> <li>Intel® i350 Dual Port Gigabit Ethernet</li> <li>Virtual Machine Device Queues reduce I/O overhead</li> <li>Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output</li> <li>1x Realtek RTL8201F PHY (dedicated IPMI)</li> </ul> |
| <b>Graphics</b>                  | <ul style="list-style-type: none"> <li>Matrox G200eW</li> </ul>   |
| <b>Input / Output (per node)</b> |   |
| <b>AHCI SATA</b>                 | <ul style="list-style-type: none"> <li>2 SATA 3.0 ports (6Gbps)</li> </ul>  |
| <b>LAN</b>                       | <ul style="list-style-type: none"> <li>2x RJ45 Gigabit Ethernet LAN ports</li> <li>1x RJ45 Dedicated IPMI LAN port</li> </ul>   |
| <b>USB</b>                       | <ul style="list-style-type: none"> <li>2x USB 2.0 ports</li> </ul>  |
| <b>VGA</b>                       | <ul style="list-style-type: none"> <li>1x VGA port</li> </ul>   |
| <b>Serial Port / Header</b>      | <ul style="list-style-type: none"> <li>1x Fast UART 16550 port</li> </ul>   |

|   |   |
|---|---|
|   | <ul style="list-style-type: none"> <li>1 PCI-E 3.0 x8 (LP)</li> <li>1 PCI-E 2.0 x4 (LP)</li> </ul>  |
| <b>Drive Bays (per node)</b>              |   |
| <b>Hot-swap</b>                           | <ul style="list-style-type: none"> <li>2x 3.5" Hot-swap SATA HDD trays</li> </ul>   |
| <b>Backplane</b>                          |   |
|   | 1x SAS2 / SATA backplane  |
| <b>System Cooling</b>                     |   |
| <b>Fans</b>                               | <ul style="list-style-type: none"> <li>8x 8cm heavy duty fans with air shroud and PWM fan speed control</li> </ul>  |
| <b>Power Supply</b>                       |   |
|   | 1280W Redundant High-efficiency Digital Power Supplies w/ PMBus 1.2   |
| <b>AC Input</b>                           | <ul style="list-style-type: none"> <li>1000W Output @ 100-140V, 8-12A, 50-60Hz</li> <li>1280W Output @ 180-240V, 6-8A, 50-60Hz</li> </ul>   |
| <b>DC Output</b>                          | <ul style="list-style-type: none"> <li>1000W: +12V/83A; +5Vsb/4A</li> <li>1280W: +12V/106.7A, +5Vsb/4A</li> </ul>   |
| <b>Certification</b>                      |   <b>Platinum Certified [ Test Report ]</b>   |
| <b>System BIOS</b>                        |   |
| <b>BIOS Type</b>                          | <ul style="list-style-type: none"> <li>128Mb SPI Flash EEPROM with AMI BIOS</li> </ul>  |
| <b>BIOS Features</b>                      | <ul style="list-style-type: none"> <li>Plug and Play (PnP)</li> <li>APM 1.2</li> <li>PCI 2.2</li> <li>ACPI 1.0 / 2.0</li> <li>USB Keyboard support</li> <li>SMBIOS 2.3</li> <li>UEFI</li> </ul>   |
| <b>Operating Environment / Compliance</b> |   |
| <b>RoHS</b>                               | <ul style="list-style-type: none"> <li>RoHS Compliant</li> </ul>  |
| <b>Environmental Spec.</b>                | <ul style="list-style-type: none"> <li>Operating Temperature: 10°C to 35°C (50°F to 95°F)</li> <li>Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)</li> <li>Operating Relative Humidity: 8% to 90% (non-condensing)</li> <li>Non-operating Relative Humidity: 5% to 95% (non-condensing)</li> </ul> |

## Parts List

| Parts List - (Items Included) |                   |     |   |
|-------------------------------|-------------------|-----|---|
|                               | Part Number       | Qty | Description   |
| <b>Motherboard / Chassis</b>  | MBD-X9DRFF-i+     | 4   | Super X9DRFF-i+ Motherboard   |
|                               | CSE-F424AL-R1K28B | 1   | 4U Chassis  |
| <b>Backplane</b>              | BPN-SAS-F424-A2   | 4   | 2x 3.5  |
| <b>Backplane</b>              | BPN-ADP-F418L     | 4   | BPN;SASADP;SAS827-H8;H8DTT;cable req  |
| <b>Cable 1</b>                | CBL-0460L-01      | 4   | 8 pin Male to two 4 pin Male power cable. 40cm and 45cm. 18AWG                      |
| <b>Cable 2</b>                | CBL-0473L         | 8   | 21cm 30AWG SATA S-S cable   |
| <b>Heatsink / Retention</b>   | SNK-P0048PS       | 8   | 2U Passive CPU Heat Sink for X9, X10 Generation Systems Equipped w/ a Narrow ILM MB |
| <b>Mounting Rail</b>          | MCP-290-41803-0N  | 1   | Fat twin F418 / F424 Rail set support 28-33.5 inch depth rail,RoHS/REACH,PBF        |

**Optional Parts List**

|                 | <b>Part Number</b> | <b>Qty</b> | <b>Description</b>                               |
|-----------------|--------------------|------------|--|
| <b>Software</b> | SFT-OOB-LIC        | 4          | OOB Management Package (per node license)        |
| <b>Software</b> | SFT-DCMS-Single    | 4          | DataCenter Management Package (per node license) |