

SuperServer F617R2-FT



Available Colors: Black

Key Features

8 Hot-plug System Nodes in 4U Each node supports:

1. Dual socket R (LGA 2011) supports Intel® Xeon® processor E5-2600 and E5-2600 v2 family†
2. Up to 512GB ECC DDR3, up to 1866MHz; 8x DIMM slots
3. Expansion slot: 1 PCI-E 3.0 x16 (LP) via riser card
4. I/O ports: 2 GbE ports, 1 Built-in video, 1 COM port onboard, 2 USB 2.0 ports
5. Built-in Server management tool (IPMI 2.0, KVM/media over LAN) with dedicated LAN port
6. 2 Hot-swap 2.5" SATA HDD Bays
7. 1620W Redundant Power Supplies Platinum Level (94%)

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

Specifications

Product SKUs	
SYS-F617R2-FT	▪ SuperServer F617R2-FT (Black)
Motherboard	
<u>Super X9DRFF</u>	
Processor/Cache	
CPU	<ul style="list-style-type: none"> ▪ Dual Socket R (LGA 2011) ▪ Intel® Xeon® processor E5-2600 and E5-2600 v2 family† (up to 135W TDP *) <p>* Please contact your Supermicro sales representative for additional details</p>
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	<ul style="list-style-type: none"> ▪ 8x 240-pin DDR3 DIMM slots ▪ Up to 512GB DDR3 ECC LRDIMM ▪ Up to 256GB DDR3 ECC Registered memory (RDIMM) ▪ Up to 64GB DDR3 ECC Un-Buffered memory (UDIMM)

Chassis	
Form Factor	▪ 4U Rackmount
Model	▪ CSE-F418IL-R1K62B
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	<ul style="list-style-type: none"> ▪ Net Weight: 150 lbs (68.04 kg) ▪ Gross Weight: 200 lbs (90.71 kg)
Available Colors	▪ Black
Front Panel	
Buttons	<ul style="list-style-type: none"> ▪ Power On/Off button ▪ System Reset button
LEDs	<ul style="list-style-type: none"> ▪ Power status LED ▪ 2x Network activity LEDs ▪ System Overheat LED ▪ Power fail LED
Expansion Slots (per node)	
PCI-Express	▪ 1x PCI-E 3.0 x16 Low-profile via riser card

Memory Type	<ul style="list-style-type: none"> 1866/1600/1333/1066/800MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs
DIMM Sizes	<ul style="list-style-type: none"> 32GB, 16GB, 8GB, 4GB, 2GB, 1GB
Memory Voltage	<ul style="list-style-type: none"> 1.5 V, 1.35 V
Error Detection	<ul style="list-style-type: none"> Corrects single-bit errors Detects double-bit errors (using ECC memory)

On-Board Devices

Chipset	<ul style="list-style-type: none"> Intel® C602 Chipset
AHCI SATA	<ul style="list-style-type: none"> SATA 2.0 3Gbps with RAID 0, 1 SATA 3.0 6Gbps with RAID 0, 1
IPMI	<ul style="list-style-type: none"> Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support Nuvoton WPCM450 BMC
Network Controllers	<ul style="list-style-type: none"> Intel® 82574L Dual Port Gigabit Ethernet Virtual Machine Device Queues reduce I/O overhead Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output 1x Realtek RTL8201N PHY (dedicated IPMI)
Graphics	<ul style="list-style-type: none"> Matrox G200eW

Input / Output (per node)

AHCI SATA	<ul style="list-style-type: none"> 2x SATA 3.0 ports (6Gbps) 4x SATA 2.0 ports (3Gbps)
LAN	<ul style="list-style-type: none"> 2x RJ45 Gigabit Ethernet LAN ports 1x RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> 2x USB 2.0 ports
VGA	<ul style="list-style-type: none"> 1x VGA port
Serial Port / Header	<ul style="list-style-type: none"> 1x Fast UART 16550 port

Drive Bays (per node)

Hot-swap	<ul style="list-style-type: none"> 2x Hot-swap 2.5" SATA HDD trays
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System Cooling

Fans	<ul style="list-style-type: none"> 8x 8cm 11k RPM middle fans
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Power Supply

1620W high-efficiency redundant power supply w/ PMBus

AC Input	<ul style="list-style-type: none"> 1000W Output @ 100-120V, 12-10A, 50-60Hz 1200W Output @ 120-140V, 12-10A, 50-60Hz 1620W Output @ 180-240V, 10.5-8A, 50-60Hz
DC Output	<ul style="list-style-type: none"> 1000W: +12V/84A; +5Vsb/4A 1200W: +12V/100A; +5Vsb/4A 1620W: +12V/150A; +5Vsb/4A

Certification	 Platinum Certified [Test Report]
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System BIOS

BIOS Type	<ul style="list-style-type: none"> 128Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	<ul style="list-style-type: none"> Plug and Play (PnP) APM 1.2 PCI 2.2 ACPI 1.0 / 2.0 USB Keyboard support SMBIOS 2.3 UEFI

Operating Environment / Compliance

RoHS	<ul style="list-style-type: none"> RoHS Compliant
Environmental Spec.	<ul style="list-style-type: none"> Operating Temperature: 10°C to 35°C (50°F to 95°F) Non-operating Temperature: -40°C to 70°C (-40°F to 158°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X9DRFF	8	Super X9DRFF Motherboard
	CSE-F418IL-R1K62B	1	4U Chassis
Backplane	BPN-SAS-F418-B2R	8	Backplane for two 2.5" hogplug SAS/SATA hard drives (HDD & SSD), no SGPIO/SES/i2c support, for Fat Twin Chassis.
Cable 1	CBL-0483L	16	29cm 30AWG SATA S-S cable
Cable 2	CBL-0486L	8	2x2 to 2x2 15cm power cable HF. 18AWG
Riser Card	RSC-R1UFF-E16	8	1U LHS FatTwin Riser Card with PCI-E x16
Heatsink / Retention	SNK-P0047PF	8	1U Passive Rear CPU Heat Sink for 1U Node Rear I/O Fat Twin Servers
Heatsink / Retention	SNK-P0047P	8	1U Passive CPU Heat Sink for X9, X10 Systems Equipped w/ a Square ILM MB
Mounting Rail	MCP-290-41803-0N	1	Fat twin F418 / F424 Rail set support 28-33.5 inch depth rail,RoHS/REACH,PBF

Optional Parts List

	Part Number	Qty	Description
Software	SFT-OOB-LIC	8	OOB Management Package (per node license)
Software	SFT-DCMS-Single	8	DataCenter Management Package (per node license)