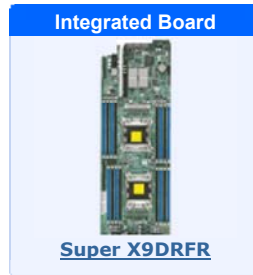


SuperServer F617R2-R72+

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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 1TB ECC DDR3, up to 1866MHz; 16x DIMM sockets
3. Expansion slots: 1 PCI-E 3.0 x16 (LP) 1 PCI-E 3.0 x8 (Micro LP)
4. I/O ports: 2 GbE ports, 1 Built-in video, 1 COM/Serial port, 2 USB 2.0 ports
5. Built-in Server management tool (IPMI 2.0, KVM/media over LAN) with dedicated LAN port
6. 6 Hot-swap 2.5" SAS2 HDD Bays via LSI 2208 (see [SAS HDD list](#))
7. 3 heavy duty internal fans
8. 1620W Redundant Power Supplies **Platinum Level (94%)**

Available Colors: Black

[Drivers & Utilities](#) | [BIOS](#) | [IPMI](#) | [Tested MEM](#) | [Tested HDD](#) | [Manuals](#)
[OS Certification Matrix](#)

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-R72+	▪ SuperServer F617R2-R72+ (Black)
Motherboard	
Super X9DRFR	
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 130W 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"> ▪ 16x 240-pin DDR3 DIMM sockets ▪ Up to 1TB DDR3 ECC LRDIMM ▪ Up to 512GB DDR3 ECC Registered memory (RDIMM) ▪ Up to 128GB DDR3 ECC Un-Buffered memory (UDIMM)
Memory Type	▪ 1866/1600/1333/1066/800MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs
DIMM Sizes	▪ 32GB, 16GB, 8GB, 4GB, 2GB, 1GB
Memory Voltage	▪ 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	

Chassis	
Form Factor	▪ 4U Rackmount
Model	▪ CSE-F418BC-R1K62B
Dimensions	
Width	▪ 17.63" (448mm)
Height	▪ 6.96" (177mm)
Depth	▪ 29" (737mm)
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 ▪ Hard drive activity LED ▪ 2x Network activity LEDs ▪ System Overheat LED ▪ Power fail LED
Expansion Slots (per node)	
PCI-Express	<ul style="list-style-type: none"> ▪ 1x PCI-E 3.0 x16 Low-profile ▪ 1x PCI-E 3.0 x8 (Micro LP) MicroLP Adapter Matrix
Drive Bays (per node)	
Hot-swap	▪ 6x Hot-swap 2.5" SAS2/SATA HDD trays
Backplane	
1x SAS2 / SATA backplane	
System Cooling (per node)	

Chipset	▪ Intel® C602 Chipset
AHCI SATA	▪ SATA 2.0 3Gbps with RAID 0, 1, 5, 10 SATA 3.0 6Gbps with RAID 0, 1
SCU SATA	▪ SATA 2.0 3Gbps with RAID 0, 1, 10
SAS	▪ SAS2 via LSI 2208 HW RAID 0, 1, 5, 6, 10, 50 support
IPMI	▪ 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	▪ Intel® i350 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	▪ Matrox G200eW

Input / Output (per node)	
AHCI SATA	▪ 2x SATA 3.0 ports (6Gbps) ▪ 4x SATA 2.0 ports (3Gbps)
SCU SATA	▪ 2x SATA 2.0 ports (3Gbps)
SAS	▪ 8x SAS 2.0 ports (6Gbps)
LAN	▪ 2x RJ45 Gigabit Ethernet LAN ports ▪ 1x RJ45 Dedicated IPMI LAN port
USB	▪ 2x USB 2.0 ports
VGA	▪ 1x VGA port
Serial Port / Header	▪ 1x Fast UART 16550 port

Fans	▪ 3x 4cm 14k RPM middle fans
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Power Supply	
1620W high-efficiency redundant power supply w/ PMBus	
AC Input	▪ 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	▪ 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	▪ 128Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	▪ 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	▪ RoHS Compliant
Environmental Spec.	▪ 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

[See Parts List](#)

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