

Supermicro SuperServer SYS-F619P2-RT 4U FatTwin^4 DP 8x6SFF RED PSU

Part number: SYS-F619P2-RT



Chassis Form Factor	Rack 4U
# of systems (nodes)	8
CPU Socket	LGA 3647 (Socket P)
# of CPU sockets (per node)	2
Supported CPU's	Intel Xeon Scalable 1st Gen Intel Xeon Scalable 2nd Gen
Max CPU TDP	165 W
Chipset	Intel C621
Memory Type	DDR4 ECC LRDIMM DDR4 ECC RDIMM
Memory Speed	2666 MHz 2400 MHz 2133 MHz
# of DIMM's (per node)	12
Max Memory Size (per node)	1536 GB
Integrated GPU	Aspeed AST2500
# of 2.5 hot-swap bays (per node)	6
Backplanes	SAS/SATA
# of PCIe x16 3.0 (per node)	2
# of USB Ports (per node)	2 x USB 3.0 (rear)
# of SATA Ports (per node)	14
Storage Controllers	8 x AHCI iSATA 6Gb/s 2 x sSATA 6Gb/s
Integrated RAID	0,1,5,10
Network Controllers	SIOM Networking AOC Matrix
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2500
Power Supply	Redundant
PSU Wattage	2200 W
PSU Certification	80+ Titanium
Chassis Dimensions	448 x 177 x 737 mm

Product SKUs

SYS-F619P2-RT • SuperServer F619P2-RT (Black)

Motherboard

Super X11DPFR-S

Processor/Cache

- CPU
- Cores
- Dual Socket P (LGA 3647)
 - Intel® Xeon® Scalable Processors, Dual UPI up to 10.4GT/s
 - Support CPU TDP 70-165W with IVR
 - Up to 28 Cores with Intel® HT Technology

System Memory

- Memory Capacity
- Memory Type
- 12 DIMM slots
 - Up to 1.5TB ECC 3DS LRDIMM, 1.5TB ECC RDIMM, DDR4 up to 2666MHz
 - 2666/2400/2133MHz ECC DDR4 SDRAM

On-Board Devices

- Chipset
- SATA
- Network Controllers
- IPMI
- Graphics
- Intel® C621 chipset
 - SATA3 (6Gbps); RAID 0, 1, 5, 10
 - Flexible networking via [SIOM](#)
 - Support for Intelligent Platform Management Interface v.2.0
 - IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
 - ASPEED AST2500 BMC

Input / Output (per node)

- SATA
- LAN
- USB
- VGA
- 14 SATA3 (6Gbps) ports
 - SIOM flexible Network card
 - 1 RJ45 Dedicated IPMI LAN port
 - 2 USB 3.0 ports (rear)
 - 1 VGA port

System BIOS

- BIOS Type
- 128Mb SPI Flash EEPROM with AMI BIOS

Management

- Software
- Power Configurations
- Intel® Node Manager
 - [IPMI 2.0](#)
 - KVM with dedicated LAN
 - [SuperDoctor® 5](#)
 - Watch Dog
 - ACPI Power Management

PC Health Monitoring

- CPU
- FAN
- Temperature
- Monitors for CPU Cores, Chipset Voltages, Memory.
 - 4+1 Phase-switching voltage regulator
 - Fans with tachometer monitoring
 - Status monitor for speed control
 - Pulse Width Modulated (PWM) fan connectors
 - Monitoring for CPU and chassis environment
 - Thermal Control for fan connectors

Chassis

- Form Factor
- Model
- 4U Rackmount
 - **CSE-F418BC2-R2K20BP**

Dimensions and Weight

- Width
- Height
- Depth
- Package
- Weight
- Available Colors
- 17.63" (448mm)
 - 6.96" (177mm)
 - 29" (737mm)
 - 28.3" (W) x 15.0" (H) x 42.4" (D)
 - Net Weight: 150 lbs (68.04 kg)
 - Gross Weight: 200 lbs (90.71 kg)
 - Black

Front Panel

- Buttons
- LEDs
- Power On/Off button
 - UID button
 - Power status LED
 - Hard drive activity LED
 - Network activity LEDs
 - Information LED (UID, Fan failure, Overheat)

Expansion Slots (per node)

- PCI-Express
- 1 PCI-E 3.0 x16 (Low-profile)
 - 1 PCI-E 3.0 x16 (SIOM)

Drive Bays (per node)

- Hot-swap
- M.2
- 6 Hot-swap 2.5" SATA3 drive bays
 - M.2 Support

Backplane

- 1 SAS/SATA backplane

System Cooling (per node)

- Fans
- 3x 4cm 20k RPM middle fans

Power Supply

- 2200W Redundant Power Supplies with PMBus
- Total Output Power and Input
- AC Input Frequency
- Dimension (W x H x L)
- +12V
- 5VSB
- Output Type
- 1200W with Input 100-127Vac
 - 1800W with Input 200-220Vac
 - 1980W with Input 220-230Vac
 - 2090W with Input 230-240Vac
 - 2200W with Input 220-240Vac (for UL/cUL use only)
 - 2090W with Input 230-240Vdc (for CCC only)
 - 50-60Hz
 - 76 x 40 x 336 mm
 - Max: 100A / Min: 0A (100-127Vac)
 - Max: 150A / Min: 0A (200-220Vac)
 - Max: 165A / Min: 0A (220-230Vac)
 - Max: 174.17A / Min: 0A (230-240Vac)
 - Max: 183.3A / Min: 0A (220-240Vac)
 - Max: 1A / Min: 0A
 - Backplanes (gold finger)



- Certification
- UL/cUL/CB/BSMI/CE/CCC
 - Titanium Level**
 - [Cert. in progress]**

Operating Environment

- RoHS
- Environmental Spec.
- RoHS Compliant
 - Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F)
 - Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)
 - Operating Relative Humidity: 8% to 90% (non-condensing)
 - Non-operating Relative Humidity: 5% to 95% (non-condensing)

Visit us for more info:

<https://www.superstorage.pl/supermicro-superserver-sys-f619p2-rt-4u-fattwin4-dp-8x6sff-red-psu-p-3428.html>