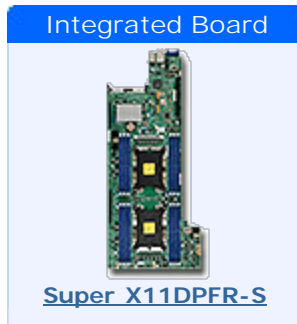


SuperServer F619P2-RT



Key Features

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

1. Dual socket P (LGA 3647) supports Intel® Xeon® Scalable Processors, Dual UPI up to 10.4GT/s
2. Up to 1.5TB ECC 3DS LRDIMM, up to DDR4-2666MHz; 12 DIMM slots
3. Expansion slots: 1 PCI-E 3.0 x16 (LP) 1 PCI-E 3.0 x16 (for [SIOM](#))
4. 6 Hot-swap 2.5" SATA3 drive bays
5. SIOM Network card, 1 dedicated IPMI LAN port
6. 1 VGA, 2 USB 3.0 ports
7. 3x 4cm 20k RPM middle fans
8. 2200W Redundant Power Supplies Titanium Level (96% Efficiency)

[▶ Drivers & Utilities](#)
[▶ BIOS](#)
[▶ IPMI](#)
[▶ Tested Memory](#)
[▶ Tested M.2 List](#)
[▶ Manuals](#)
[▶ OS Certification Matrix](#)
[▶ Drive Options](#)
[▶ Tested SIOM](#)

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

Specifications

Product SKUs

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

Motherboard

Super X11DPFR-S

Processor/Cache

CPU

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

Cores

- Up to 28 Cores with Intel® HT Technology

System Memory

Memory Capacity

- 12 DIMM slots
- Up to 1.5TB ECC 3DS LRDIMM, 1.5TB ECC RDIMM, DDR4 up to 2666MHz

Memory Type

- 2666/2400/2133MHz ECC DDR4 SDRAM

On-Board Devices

Chipset ■ Intel® C621 chipset

Chassis

Form Factor

- 4U Rackmount

Model

- CSE-F418BC2-R2K20BP

Dimensions and Weight

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: 150 lbs (68.04 kg)
- Gross Weight: 200 lbs (90.71 kg)

Available Colors

- Black

Front Panel

Buttons

- Power On/Off button
- UID button

LEDs

- Power status LED
- Hard drive activity LED
- Network activity LEDs
- Information LED (UID, Fan failure, Overheat)

SATA	<ul style="list-style-type: none"> SATA3 (6Gbps); RAID 0, 1, 5, 10
Network Controllers	<ul style="list-style-type: none"> Flexible networking via SIOM
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
Graphics	<ul style="list-style-type: none"> ASPEED AST2500 BMC

Input / Output (per node)

SATA	<ul style="list-style-type: none"> 14 SATA3 (6Gbps) ports
LAN	<ul style="list-style-type: none"> SIOM flexible Network card 1 RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> 2 USB 3.0 ports (rear)
VGA	<ul style="list-style-type: none"> 1 VGA port

System BIOS

BIOS Type	<ul style="list-style-type: none"> 128Mb SPI Flash EEPROM with AMI BIOS
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Management

Software	<ul style="list-style-type: none"> Intel® Node Manager IPMI 2.0 KVM with dedicated LAN SuperDoctor® 5 Watch Dog
Power Configurations	<ul style="list-style-type: none"> ACPI Power Management

PC Health Monitoring

CPU	<ul style="list-style-type: none"> Monitors for CPU Cores, Chipset Voltages, Memory. 4+1 Phase-switching voltage regulator
FAN	<ul style="list-style-type: none"> Fans with tachometer monitoring Status monitor for speed control Pulse Width Modulated (PWM) fan connectors
Temperature	<ul style="list-style-type: none"> Monitoring for CPU and chassis environment Thermal Control for fan connectors

Expansion Slots (per node)

PCI-Express	<ul style="list-style-type: none"> 1 PCI-E 3.0 x16 (Low-profile) 1 PCI-E 3.0 x16 (SIOM)
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Drive Bays (per node)

Hot-swap	<ul style="list-style-type: none"> 6 Hot-swap 2.5" SATA3 drive bays
M.2	<ul style="list-style-type: none"> M.2 Support

Backplane

Backplane	<ul style="list-style-type: none"> 1 SAS/SATA backplane
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System Cooling (per node)

Fans	<ul style="list-style-type: none"> 3x 4cm 20k RPM middle fans
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Power Supply

2200W Redundant Power Supplies with PMBus	
Total Output Power and Input	<ul style="list-style-type: none"> 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)
AC Input Frequency	<ul style="list-style-type: none"> 50-60Hz
Dimension (W x H x L)	<ul style="list-style-type: none"> 76 x 40 x 336 mm
+12V	<ul style="list-style-type: none"> 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)
5VSB	<ul style="list-style-type: none"> Max: 1A / Min: 0A
Output Type	<ul style="list-style-type: none"> Backplanes (gold finger)
Certification	  <ul style="list-style-type: none"> UL/cUL/CB/BSMI/CE/CCC Titanium Level [Cert. in progress]

Operating Environment

RoHS	<ul style="list-style-type: none"> RoHS Compliant
Environmental Spec.	<ul style="list-style-type: none"> 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)

Parts List

Parts List - (Items Included)			
	Part Number	Qty	Description
Motherboard / Chassis	MBD-X11DPFR-S	8	Super X11DPFR-S Motherboard
	CSE-F418BC2-R2K20BP	1	4U Chassis
Backplane	BPN-ADP-X11DPFR	8	Power distribution board for X11DPFR-S(N)
Backplane	BPN-SAS-F418-B6	8	6-port Fat Twin 6Gbps hot swappable HDD backplane (W/O SGPIO), support up to 6x 2.5-inch SAS/SATA HDD
Cable 1	CBL-0486L	16	2x2 to 2x2 15cm power cable HF. 18AWG
Cable 2	CBL-OTHR-0022L	8	20 to 20 pin cable for BPN-ADP-F418LS,7.5cm, 28AWG,RoHS/REACH,PBF
Cable 3	CBL-SAST-0616	8	MINI SAS HD-4 SATA,6G,INT,50CM,50CM SB,30AWG
Cable 4	CBL-SAST-1003-1	8	MINI SAS HD to 2X SATA,SB,INT,55 CM
Riser Card	RSC-RR1U-E16	8	RSC-RR1U-E16 with PIC-E x16 output
Heatsink / Retention	SNK-P0067PS	8	1U Passive CPU Heat Sink for X11 Purley Platform Equipped with a Narrow Retention Mechanism
Heatsink / Retention	SNK-P0067PSM	8	1U Passive CPU Heat Sink with a 26-mm Wide Middle Air Channel for X11 Purley Platform Equipped with a Narrow Retention Mechanism
Power Supply	PWS-2K20A-1R	4	1U 2200W Redundant, Titanium, 76(W) X 40(H) X 336(L) mm

Optional Parts List			
	Part Number	Qty	Description
Software	SFT-OOB-LIC	1	OOB Management Package (per node license)
Software	SFT-DCMS-Single	1	DataCenter Management Package (per node license)