

Supermicro SuperServer SYS-F618R2-RC1PT+ 4U FatTwin^4 DP 8x6SFF LSI 3108 RED PSU

Kod producenta: SYS-F618R2-RC1PT+

Chassis Form Factor	Rack 4U
# of systems (nodes)	8
CPU Socket	LGA 2011 (Socket R3)
# of CPU sockets (per node)	2
Supported CPU's	Intel Xeon E5-2600v4 Intel Xeon E5-2600v3
Max CPU TDP	145 W
Chipset	Intel C612 Wellsburg
Memory Type	DDR4 ECC 3DS LRDIMM DDR4 ECC LRDIMM DDR4 ECC RDIMM
Memory Speed	2400 MHz 2133 MHz 1866 MHz 1600 MHz
Max Memory Size (per node)	2048 GB
Integrated GPU	Aspeed AST2400
# of 2.5 hot-swap bays (per node)	4
# of 2.5 NVMe bays (per node)	2
Backplanes	SAS3/SATA3
# of PCIe x16 3.0 (per node)	1
# of PCIe x8 3.0 (per node)	1
# of USB Ports (per node)	2 x USB 3.0 (rear)
# of SATA Ports (per node)	10
# of SAS Ports (per node)	6
Storage Controllers	6 x AHCI iSATA 6Gb/s 4 x sSATA 6Gb/s LSI 3108 12Gb/s
Integrated RAID	0,1,5,10
Hardware RAID	0,1,5,6,10,50,60
# of Serial Ports (per node)	1 x Fast UART 16550 (header)
# of 10GbE Ports (per node)	2 x RJ45
Network Controllers	Intel x540 Dual Port 10 Gigabit Base-T
Integrated BMC	IPMI 2.0 KVM-over-LAN Virtual Media over LAN IPMI Dedicated RJ45 PHY
BMC chip	Aspeed AST2400
TPM	1 x TPM 1.2 20-pin Header
Power Supply	Redundant
PSU Wattage	2000W
PSU Certification	80+ Platinum
Chassis Dimensions	448 x 177 x 737mm
Uwagi	PCI-Express Slots Configuration: 1x PCI-E 3.0 x16 Low-profile 1xMicro Low Profile PCI-E 3.0 x8 slot MicroLP Adapter Matrix (Networking options)



Poniżej prezentujemy szczegółowy opis techniczny oferowanego produktu:

Product SKUs

SYS-F618R2-RC1PT+ • SuperServer F618R2-RC1PT+ (Black)

Motherboard

Super X10DRFR-NT

Processor/Cache

CPU • Intel® Xeon® processor E5-2600 v4/ v3 family (up to 145W TDP) *
 • Dual Socket R3 (LGA 2011)
Cores / Cache • Up to **22 Cores** / Up to **55MB** Cache
System Bus • QPI up to 9.6 GT/s
Note * BIOS version 2.0 or above is required
Note * Please contact Supermicro Technical Support for additional information about frequency optimized CPUs and specialized system optimization.

System Memory

Memory Capacity • 16x 288-pin DDR4 DIMM slots
 • Up to 2TB¹ ECC 3DS LRDIMM, 1TB ECC RDIMM
Memory Type • **2400**/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit
DIMM Sizes • RDIMM: 64GB, 32GB, 16GB, 8GB, 4GB
 • LRDIMM: 64GB, 32GB
 • 3DS LRDIMM: 128GB
Memory Voltage • 1.2 V
Error Detection • Corrects single-bit errors

On-Board Devices

Chipset • Intel® C612 chipset
SAS • LSI 3108 SAS3 (12Gbps) controller;
 HW RAID 0, 1, 5, 6, 10, 50, 60
SATA • SATA3 (6Gbps) with RAID 0, 1, 5, 10
IPMI • Support for Intelligent Platform Management Interface v.2.0
 • IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
 • ASPEED AST2400 BMC
Network Controllers • Intel® X540 Dual Port 10GBase-T
 • Virtual Machine Device Queues reduce I/O overhead
 • Supports 10GBase-T, 100BASE-TX, and 1000BASE-T, RJ45 output
 • 1x Realtek RTL8201N PHY (dedicated IPMI)
Graphics • ASPEED AST2400 BMC

Input / Output (per node)

SAS • 6 SAS3 (12Gbps) ports
NVMe • 2 Internal NVMe ports (PCI-E 3.0 x4)
 Note: NVMe support requires 2 CPUs installed
LAN • 2 RJ45 10GBase-T LAN ports
 • 1 RJ45 Dedicated IPMI LAN port
USB • 2 USB 3.0 ports
VGA • 1 VGA port

Management

Software • Intel® Node Manager
 • [SuperDoctor® 5](#)
 • Watch Dog
 • NMI
 • IPMI 2.0
 • [SUM](#) and [SSM](#)
Power Configurations • ACPI / APM Power Management
 • Power-on mode for AC power recovery

Chassis

Form Factor • 4U Rackmount
Model • **CSE-F418BC-R2K04B**

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
 • Power status LED
 • Hard drive activity LED
LEDs • 2 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 x8 (Micro LP)
 • [Micro P Adapter Matrix](#) (Networking options)

Drive Bays (per node)

Hot-swap • 6x 2.5" Hot-swap SAS/SATA or 4x 2.5" Hot-swap SAS/SATA + 2x SAS/SATA/NVMe hybrid

Backplane

1x SAS/SATA backplane

System Cooling (per node)

Fans • 3x 4cm 14k RPM middle fans

Power Supply (76mm Width)

2000W Redundant Power Supplies with PMBus

Total Output Power • 1000W/2000W

Dimension (W x H x L) • 76 x 40.4 x 336 mm

Input • 100-127 Vac / 12-9.5 A / 50-60 Hz
 • 200-220 Vac / 10-9.5 A / 50-60 Hz
 • 220-230 Vac / 10-9.8 A / 50-60 Hz
 • 230-240 Vac / 10-9.8 A / 50-60 Hz
 • 200-240 Vac / 11.8-10 A / 50-60 Hz (UL/cUL only)
 • Max: 83.3A & Min: 0A (100-127 Vac)
 • Max: 150A & Min: 0A (200-220 Vac)
 • Max: 165A & Min: 0A (220-230 Vac)
 • Max: 166.7A & Min: 0A (230-240 Vac)
 • Max: 166.7A & Min: 0A (200-240 Vac)(UL/cUL only)
+12V • Max: 1A / Min: 0A

+5Vsb • Max: 1A / Min: 0A
Output Type • 27 Pairs Gold Finger Connector

Certification



UL/cUL/CB/BSMI/CE/CCC

Titanium Level
[Test Report]

System BIOS

BIOS Type • 128Mb SPI Flash EEPROM with AMI BIOS
 • Plug and Play (PnP)
 • APM 1.2
 • PCI 2.2
BIOS Features • ACPI 1.0 / 2.0
 • USB Keyboard support
 • SMBIOS 2.3
 • UEFI

Operating Environment / Compliance

RoHS • RoHS Compliant
 • 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)
Environmental Spec. • Operating Relative Humidity:
 8% to 90% (non-condensing)
 • Non-operating Relative Humidity:
 5% to 95% (non-condensing)

UWAGA !!!
Oferowany produkt to platforma serwerowa służąca do budowy swojej własnej konfiguracji serwera (nie zawiera CPU, RAM czy HDD).
Jeżeli potrzebujesz kupić gotowy serwer wraz z CPU, RAM, HDD/SDD oraz innymi opcjami koniecznie wyślij do nas zapytanie. Posiadamy najlepsze ceny i dostępność na pełne konfiguracje. Zapewniamy pełne wsparcie techniczne do zakupionych u nas serwerów.

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-superserver-sys-f618r2-rc1pt-4u-fattwin4-dp-8x6sff-lsi-3108-red-psu-p-1016.html>