

Supermicro SuperServer SYS-F618R2-RC1+ 4U FatTwin^4 DP 8x6SFF LSI 3108 RED PSU

Kod producenta: SYS-F618R2-RC1+

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
Memory Type	DDR4 ECC LRDIMM DDR4 ECC RDIMM
Memory Speed	2400 MHz 2133 MHz 1866 MHz 1600 MHz
# of DIMM's (per node)	16
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)	3
# of PCIe x8 3.0 (per node)	1
# of USB Ports (per node)	2 x USB 3.0 (rear) 1 x USB 2.0 Type A
# of SATA Ports (per node)	10
# of SAS Ports (per node)	8
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 1GbE Ports (per node)	2 x RJ45
Network Controllers	Intel i350 Dual Port Gigabit Ethernet
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2400
TPM	1 x TPM 1.2 20-pin Header
Power Supply	Redundant
PSU Wattage	2000 W
PSU Certification	80+ Titanium
Chassis Dimensions	448 x 177 x 737 mm
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-RC1+ • SuperServer F618R2-RC1+ (Black)

Motherboard

Super X10DRFR-N

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
• Support for Intelligent Platform Management Interface v.2.0

IPMI • IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
• ASPEED AST2400 BMC

Network Controllers • Intel® i350-AM2 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 • 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 Gigabit Ethernet 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
• SMM 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
• 230-230 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

+5Vsb

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

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)

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-rc1-4u-fattwin4-dp-8x6sff-lsi-3108-red-psu-p-1015.html>