

Supermicro SuperServer SYS-F618R3-FT 4U FatTwin^4 DP 8x2LFF RED PSU

Kod producenta: SYS-F618R3-FT



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
# of DIMM's (per node)	8
Max Memory Size (per node)	1024 GB
Integrated GPU	Aspeed AST2400
# of 3.5 fixed bays (per node)	2
# of PCIe x16 3.0 (per node)	1
# of USB Ports (per node)	2 x USB 3.0 (rear)
# of SATA Ports (per node)	10
Storage Controllers	6 x AHCI iSATA 6Gb/s 4 x sSATA 6Gb/s
Integrated RAID	0,1,5,10
# of Serial Ports (per node)	1 x Fast UART 16550 (header)
# of 1GbE Ports (per node)	2 x RJ45
Network Controllers	Dual Intel i210 Single Port Gigabit Ethernet
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	1620W
PSU Certification	80+ Platinum
Chassis Dimensions	448 x 177 x 737mm

Product SKUs

SYS-F618R3-FT • SuperServer F618R3-FT (**Black**)

Motherboard

Super X10DRFF

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 • 8x 288-pin DDR4 DIMM slots
• Up to 1TB[†] ECC 3DS LRDIMM, 512GB ECC RDIMM

Memory Type • **2400**[†]/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit
• RDIMM: 64GB, 32GB, 16GB, 8GB, 4GB

DIMM Sizes • LRDIMM: 64GB, 32GB
• 3DS LRDIMM: 128GB

Memory Voltage • 1.2 V

Error Detection • Corrects single-bit errors

On-Board Devices

Chipset • Intel® C612 chipset
SATA • SATA3 (6Gbps) with RAID 0, 1
• 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
• Dual Intel® i210 Single Port Gigabit Ethernet
• Virtual Machine Device Queues reduce I/O overhead

Network Controllers • Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
• 1x Realtek RTL8211E PHY (dedicated IPMI)

Graphics • ASPEED AST2400 BMC

Input / Output (per node)

SATA • 2x SATA3 (6Gbps) ports

LAN • 2x RJ45 Gigabit Ethernet LAN ports
• 1x RJ45 Dedicated IPMI LAN port

USB • 2x USB 3.0 ports

VGA • 1x VGA port

Chassis

Form Factor • 4U Rackmount

Model • **CSE-F418IL-R1K62BP**

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
• 2x Network activity LEDs

Expansion Slots (per node)

PCI-Express • 1x PCI-E 3.0 x16 Low-profile via riser card

Drive Bays (per node)

Fixed • 2x 3.5" Fixed SATA HDD trays

System Cooling

Fans • 8x 8cm 9.5K RPM Rear Fans

Power Supply

1620W high-efficiency redundant power supply w/ PMBus

• 1000W Output @ 100-120V, 12-10A, 50-60Hz

AC Input • 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]

System BIOS

BIOS Type • 128Mb SPI Flash EEPROM with AMI BIOS

• Plug and Play (PnP)

• APM 1.2

• PCI 2.3

BIOS Features • ACPI 1.0 / 2.0 / 3.0 / 4.0

• USB Keyboard support

• SMBIOS 2.7.1

• UEFI 2.3.1

Operating Environment / Compliance

RoHS • RoHS Compliant

• Operating Temperature: 10°C to 35°C (50°F to 95°F)

• Non-operating Temperature:

Environmental Spec. -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)

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-superserver-sys-f618r3-ft-4u-fattwin4-dp-8x2lff-red-psu-p-1029.html>