

Supermicro SuperServer SYS-F618R2-RTPTN+ 4U FatTwin^4 DP 8x6SFF RED PSU

Kod producenta: SYS-F618R2-RTPTN+

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)	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)	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
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 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+ Titanium
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)

Product SKUs	
SYS-F618R2-RTN+	• SuperServer F618R2-RTN+ (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 2TB* 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
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® 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)	
Serial ATA	• 10 SATA3 (6Gbps) 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	• 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
LEDs	• Power status LED • Hard drive activity LED • 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) • MicroLP Adapter Matrix (Networking options)

Drive Bays (per node)	
Hot-swap	• 6x 2.5" Hot-swap SATA or 4x 2.5" Hot-swap SATA + 2x 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)
+12V	• 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)
+5Vsb	• Max: 1A / Min: 0A
Output Type	• 27 Pairs Gold Finger Connector

Certification	 UL/cUL/CB/BSMI/CE/CCC Titanium Level [Test Report]
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System BIOS	
BIOS Type	• 128Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	• Plug and Play (PnP) • APM 1.2 • PCI 2.2 • 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)

Strona firmowa produktu:
<https://www.superstorage.pl/supermicro-superserver-sys-f618r2-rtptn-4u-fattwin4-dp-8x6sff-red-psu-p-1012.html>