

Supermicro SuperServer SYS-F629P3-RTB 4U FatTwin^2 DP 4x8LFF RED PSU

Part number: SYS-F629P3-RTB



Chassis Form Factor	Rack 4U
# of systems (nodes)	4
CPU Socket	LGA 3647 (Socket P)
# of CPU sockets (per node)	2
Supported CPU's	Intel Xeon Scalable 1st Gen Intel Xeon Scalable 2nd Gen
Max CPU TDP	165 W
Chipset	Intel C621
Memory Type	DDR4 ECC LRDIMM DDR4 ECC RDIMM
# of DIMM's (per node)	12
Integrated GPU	Aspeed AST2500
# of 3.5 hot-swap bays (per node)	8
# of PCIe x16 3.0 (per node)	1
I/O expansion modules (per node)	1 x SIOM
# of M.2 22110 (per node)	1
Network Controllers	SIOM Networking AOC Matrix
Power Supply	Redundant 3+1
PSU Wattage	1200 W
PSU Certification	80+ Titanium
Chassis Dimensions	448 x 177 x 737 mm
Warranty	3 years

Product SKUs		Chassis	
SYS-F629P3-RTB • SuperServer F629P3-RTB (Black)		Form Factor • 4U Rackmount	
Motherboard		Model • CSE-F424AS2-R1K23BP	
Super X11DPFR-S		Dimensions and Weight	
Processor/Cache		Width	• 17.63" (448mm)
CPU	• Dual Socket P (LGA 3647)	Height	• 6.96" (177mm)
	• Intel® Xeon® Scalable Processors, Dual UPI up to 10.4GT/s	Depth	• 29" (737mm)
	• Support CPU TDP 70-165W with IVR	Package	• 28.3" (W) x 15.0" (H) x 42.4" (D)
Cores	• Up to 28 Cores with Intel® HT Technology	Weight	• Net Weight: 150 lbs (68.04 kg) • Gross Weight: 200 lbs (90.71 kg)
System Memory		Available Colors	• Black
Memory Capacity	• 12 DIMM slots	Front Panel	
	• Up to 1.5TB ECC 3DS LRDIMM, 1.5TB ECC RDIMM, DDR4 up to 2666MHz	Buttons	• Power On/Off button • UID button • Power status LED • Hard drive activity LED
Memory Type	• 2666/2400/2133MHz ECC DDR4 SDRAM	LEDs	• Network activity LEDs • Information LED (UID, Fan failure, Overheat)
On-Board Devices		Expansion Slots (per node)	
Chipset	• Intel® C621 chipset	PCI-Express	• 1 PCI-E 3.0 x16 (Low-profile)
SATA	• SATA3 (6Gbps)		• 1 PCI-E 3.0 x16 (SIOM)
Network Controllers	• Flexible networking via SIOM	Drive Bays (per node)	
IPMI	• Support for Intelligent Platform Management Interface v.2.0	Hot-swap M.2	• 8 Hot-swap 3.5" SATA3 drive bays • M.2 Support
Graphics	• IPMI 2.0 with virtual media over LAN and KVM-over-LAN support	Backplane	
Input / Output (per node)		1 SAS/SATA backplane	
SATA	• 14 SATA3 (6Gbps) ports	System Cooling (per node)	
LAN	• SIOM flexible Network card	Fans	• 2x 8cm 14k RPM middle fans
USB	• 1 RJ45 Dedicated IPMI LAN port	Power Supply (76mm Width)	
VGA	• 2 USB 3.0 ports (rear)	1200W Redundant Power Supplies with PMBus	
System BIOS		Total Output Power	• 1000W/1200W
BIOS Type	• 128Mb SPI Flash EEPROM with AMI BIOS	Dimension (W x H x L)	• 76 x 40 x 336 mm
Management		Input	• 100-127Vac / 15-12A / 50-60Hz • 200-240Vac / 8.5-7A / 50-60Hz
Software	• Intel® Node Manager	+12V	• Max: 83A / Min: 0A (100-127Vac) • Max: 100A / Min: 0A (200-240Vac)
	• IPMI 2.0	+5Vsb	• Max: 4A / Min: 0A
Power Configurations	• KVM with dedicated LAN	Output Type	• 19 Pairs Gold Finger Connector
	• SuperDoctor® 5		
PC Health Monitoring	• Watch Dog	Certification	UL/cUL/CB/BSMI/CE/CCC Titanium Level [Test Report]
	• ACPI Power Management	Operating Environment	
CPU	• Monitors for CPU Cores, Chipset Voltages, Memory.	RoHS	• RoHS Compliant
FAN	• 4+1 Phase-switching voltage regulator	Environmental Spec.	• Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F)
	• Fans with tachometer monitoring		• Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)
Temperature	• Status monitor for speed control		• Operating Relative Humidity: 8% to 90% (non-condensing)
	• Pulse Width Modulated (PWM) fan connectors		• Non-operating Relative Humidity: 5% to 95% (non-condensing)

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