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SuperStorage 6047R-E1R24N

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Integrated Board

**Super X9DRi-LN4F+**

Available Colors:

Black

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Note: Image above may show a varied configuration or optional parts. Please refer to parts list for standard parts included.

Specifications

Product SKUs - Discontinued SKU (EOL). Please contact sales-rep for alternative options.**SSG-6047R-E1R24N** ■ SuperServer 6047R-E1R24N (Black)

Motherboard

Super X9DRi-LN4F+

Processor/Cache

CPU	■ Dual Socket R (LGA 2011)
	■ Intel® Xeon® processor E5-2600 and E5-2600 v2 family† (up to 130W TDP)
Note	† BIOS version 3.0 or above is required
Cache	■ Up to 30MB
System Bus	■ QPI up to 8 GT/s

System Memory

Memory Capacity	■ 24x 240-pin DDR3 DIMM slots
	■ Up to 1.5TB DDR3 ECC LRDIMM
Memory Type	■ Up to 768GB DDR3 ECC Registered memory (RDIMM)
	■ Up to 192GB DDR3 ECC Un-Buffered memory (UDIMM)
Memory Type	■ 1866/1600/1333/1066/800MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs
DIMM Sizes	■ 32GB, 16GB, 8GB, 4GB, 2GB, 1GB
Memory Voltage	■ 1.5 V, 1.35 V
Error Detection	■ Corrects single-bit errors
	■ Detects double-bit errors (using ECC memory)

On-Board Devices

Chassis

Form Factor	■ 4U Rackmount
Model	■ CSE-846BE16-R920B

Dimensions

Width	■ 17.2" (437mm)
Height	■ 7" (178mm)
Depth	■ 26" (660mm)
Weight	■ Net Weight: 55 lbs (24.9 kg)
	■ Gross Weight: 92 lbs (41.7 kg)
Available Colors	■ Black

Front Panel

Buttons	■ Power On/Off button
	■ System Reset button
LEDs	■ Power status LED
	■ Hard drive activity LED
	■ 2x Network activity LEDs
	■ System Overheat LED
	■ Power fail LED

Expansion Slots

PCI-Express	■ 3x PCI-E 3.0 x16 slots (Full-height, Full-length)
	■ 1x PCI-E 3.0 x8 slot (Full-height, Half-length)

Drive Bays

Hot-swap	■ 24x 3.5" Hot-swap SAS / SATA HDD trays
Optional OS Drive	■ 2x 2.5" Rear Hot-swap Drive Bays


Backplane

SAS2 / SATA3 backplane

Key Features

1. Dual socket R (LGA 2011) supports Intel® Xeon® processor E5-2600 and **E5-2600 v2** family†
2. Up to 1.5TB ECC DDR3, up to 1866MHz; 24x DIMM slots
3. 3x PCI-E 3.0 x16 slots (FHFL) and 1x PCI-E 3.0 x8 slot (FHHL)
4. Intel® i350 GbE Controller; 4x ports
5. 24x 3.5" Hot-swap SAS2 (with Broadcom expander) / SATA3 HDD Bays
6. Hardware RAID controller and JBOD Expansion; RAID 0, 1, 5, 6, 10, 50, 60
7. Server remote management: IPMI 2.0 / KVM over LAN / Media over LAN
8. 3x Heavy duty PWM fans
9. 920W Redundant Power Supplies **Platinum Level (94%)**

Chipset	■ Intel® C602 Chipset
SATA	■ SATA 2.0 3Gbps with RAID 0, 1, 5, 10 ■ SATA 3.0 6Gbps with RAID 0, 1, 5, 10
SAS	■ Broadcom 2108 SAS2 RAID (BBU optional) ■ Hardware RAID 0, 1, 5, 6, 10, 50, 60
IPMI	■ Support for Intelligent Platform Management Interface v.2.0 ■ IPMI 2.0 with virtual media over LAN and KVM-over-LAN support ■ Nuvoton WPCM450 BMC
Network Controllers	■ Intel® i350 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	■ Matrox G200eW
Input / Output	
Serial ATA	■ 2x SATA 3.0 ports (6Gbps) ■ 8x SATA 2.0 ports (3Gbps)
LAN	■ 4x RJ45 Gigabit Ethernet LAN ports ■ 1x RJ45 Dedicated IPMI LAN port
JBOD	■ 2x JBOD Expansion Ports
USB	■ 9x USB 2.0 ports total (4x rear + 4x via header + 1x Type A)
VGA	■ 1x VGA port
Serial Port / Header	■ 1x Fast UART 16550 port / 1 Header

System Cooling	
Fans	■ 3x 80mm Hot-swap 4-pin PWM Fans ■ 2x 80mm Rear-exhaust 4-pin PWM Fans
Power Supply with Power Distributor	
920W high-efficiency (94%+) AC-DC Redundant power supplies with PMBus and I2C	
AC Input	■ 100-240 V, 50-60 Hz, 11-4.5 Amp
DC Output	■ 4 Amp @ +5V standby ■ 75 Amp @ +12V
Certification	 Platinum Certified [Test Report]
System BIOS	
BIOS Type	■ 64Mb 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)

Parts List

[See Parts List](#)

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