

# SuperStorage Server 6047R-E1R24L



## Integrated Board



Super X9DRD-7LN4F-JBOD



### Available Colors:

Black



## Key Features

1. Dual socket R (LGA 2011) supports Intel® Xeon® processor E5-2600 and **E5-2600 v2** family†
2. Up to 1TB ECC DDR3, up to 1866MHz; 16x DIMM sockets
3. 5x PCI-E 3.0 x8 slots (FHHL)
4. Intel® i350 GbE Controller; 4x ports
5. 24x Hot-swap 3.5" SAS2/SATA3 & 2x rear 2.5" Hot-swap HDD Bays (opt)
6. Onboard LSI 2308 IT mode
7. Dual JBOD expansion ports
8. Server remote management: IPMI 2.0 / KVM over LAN / Media over LAN
9. 3x Heavy duty PWM fans
10. 920W Redundant Power Supplies **Platinum Level (94%)**

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

## Specifications

### Product SKUs

- SSG-6047R-E1R24L** ■ SuperServer 6047R-E1R24L (**Black**)

### Motherboard

**Super X9DRD-7LN4F-JBOD**

### 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**
- 16x 240-pin DDR3 DIMM sockets
  - Up to 1TB DDR3 ECC LRDIMM
  - Up to 512GB DDR3 ECC Registered memory (RDIMM)

### 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

	<ul style="list-style-type: none"> <li>Up to 128GB DDR3 ECC Un-Buffered memory (UDIMM)</li> </ul>
<b>A Ya cfm HndY</b>	<ul style="list-style-type: none"> <li>1866/1600/1333/1066/800MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs</li> </ul>
<b>8=AA GjnYg</b>	<ul style="list-style-type: none"> <li>32GB, 16GB, 8GB, 4GB, 2GB, 1GB</li> </ul>
<b>A Ya cfm J c`HJY</b>	<ul style="list-style-type: none"> <li>1.5 V, 1.35 V</li> </ul>
<b>9ffcf 8YH`Vjcb</b>	<ul style="list-style-type: none"> <li>Corrects single-bit errors</li> <li>Detects double-bit errors (using ECC memory)</li> </ul>
<b>Cb!6cUFX`8Yj JWg</b>	
<b>7\JdgYh</b>	<ul style="list-style-type: none"> <li>Intel® C602J Chipset</li> </ul>
<b>G5H5</b>	<ul style="list-style-type: none"> <li>SATA 2.0 3Gbps with RAID 0, 1, 5, 10</li> <li>SATA 3.0 6Gbps with RAID 0, 1, 5, 10</li> </ul>
<b>G5G</b>	<ul style="list-style-type: none"> <li>SAS2 via LSI 2308; IT Mode/Pass-through</li> </ul>
<b>=DA =</b>	<ul style="list-style-type: none"> <li>Support for Intelligent Platform Management Interface v.2.0</li> <li>IPMI 2.0 with virtual media over LAN and KVM-over-LAN support</li> <li>Nuvoton WPCM450 BMC</li> </ul>
<b>BYHk cf_ 7cbhfc`Yfg</b>	<ul style="list-style-type: none"> <li>Intel® i350 Gigabit Ethernet</li> <li>Virtual Machine Device Queues reduce I/O overhead</li> <li>Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output</li> <li>1x Realtek RTL8201N PHY (dedicated IPMI)</li> </ul>
<b>; fUd\JVg</b>	<ul style="list-style-type: none"> <li>Matrox G200eW</li> </ul>
<b>Gi dYf`#C</b>	<ul style="list-style-type: none"> <li>Nuvoton W83527</li> </ul>
<b>=bdi h`#Ci hdi h</b>	
<b>GYfJU`5H5</b>	<ul style="list-style-type: none"> <li>2x SATA 3.0 ports (6Gbps)</li> <li>4x SATA 2.0 ports (3Gbps)</li> </ul>
<b>G5G</b>	<ul style="list-style-type: none"> <li>8x SAS2 ports (6Gbps)</li> </ul>
<b>@5B</b>	<ul style="list-style-type: none"> <li>4x RJ45 Gigabit Ethernet LAN ports</li> <li>1x RJ45 Dedicated IPMI LAN port</li> </ul>
<b>&gt;6C8</b>	<ul style="list-style-type: none"> <li>2x JBOD Expansion Ports</li> </ul>
<b>I G6</b>	<ul style="list-style-type: none"> <li>9x USB 2.0 ports total (4 rear + 4 via header + 1 Type A)</li> </ul>
<b>J ; 5</b>	<ul style="list-style-type: none"> <li>1x VGA port</li> </ul>
<b>GYfJU`Dcfh #&lt; YUXYf</b>	<ul style="list-style-type: none"> <li>1x Fast UART 16550 port / 1 Header</li> </ul>

<b>9i dUbg]cb`G`chg</b>	
<b>D7=9i dFYgg</b>	<ul style="list-style-type: none"> <li>5x PCI-E 3.0 x8 slots (Full-height, Half-length)</li> </ul>
<b>8fj] Y`6Ung</b>	
<b>&lt;chtgk Ud</b>	<ul style="list-style-type: none"> <li>24x Hot-swap 3.5" SAS/SATA HDD trays</li> </ul>
<b>Cdh]cbU` CG`8fj] Y</b>	<ul style="list-style-type: none"> <li>2x 2.5" Rear Hot-swap Drive Bays</li> </ul>
<b>6UW`d`UbY</b>	
SAS2 / SATA3 single expander per backplane	
<b>Gng]h`a`7cc`]b[</b>	
<b>: Ubg</b>	<ul style="list-style-type: none"> <li>3x 80mm Hot-swap 4-pin PWM Fans</li> <li>2x 80mm Rear-exhaust 4-pin PWM Fans</li> </ul>
<b>Dck Yf`Gi dd`mik ]h`Dck Yf`8]g]f]Vi hcf</b>	
920W high-efficiency (94%+) AC-DC Redundant power supplies with PMBus and I2C	
<b>57`=bdi h</b>	<ul style="list-style-type: none"> <li>100-240 V, 50-60 Hz, 11-4.5 Amp</li> </ul>
<b>87`Ci hdi h</b>	<ul style="list-style-type: none"> <li>4 Amp @ +5V standby</li> <li>75 Amp @ +12V</li> </ul>
<b>7Yfh]ZVW]cb</b>	  <b>D`U]bi a`7Yfh]ZYX OHYgh`F`Ydcfh`Q</b>
<b>Gng]h`a`6=CG</b>	
<b>6=CG`HndY</b>	<ul style="list-style-type: none"> <li>128Mb SPI Flash EEPROM with AMI BIOS</li> </ul>
<b>6=CG : YUH`fYg</b>	<ul style="list-style-type: none"> <li>Plug and Play (PnP)</li> <li>APM 1.2</li> <li>PCI 2.2</li> <li>ACPI 1.0 / 2.0</li> <li>USB Keyboard support</li> <li>SMBIOS 2.3</li> <li>UEFI</li> </ul>
<b>CdYfU]b[`9bj ]fcb`a`Ybh`#7`ca`d`]UbW</b>	
<b>Fc&lt;G</b>	<ul style="list-style-type: none"> <li>RoHS Compliant</li> </ul>
<b>9bj ]fcb`a`YbHU`GdYW</b>	<ul style="list-style-type: none"> <li>Operating Temperature: 10°C to 35°C (50°F to 95°F)</li> <li>Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)</li> <li>Operating Relative Humidity: 8% to 90% (non-condensing)</li> <li>Non-operating Relative Humidity: 5% to 95% (non-condensing)</li> </ul>

## Parts List

### DUfng @jgh! f#Ya g`bVM XYXt

	DUfh'Bi a VYf	E lm	8YgWjdhjcb
A cH YfVcUfX`#7\ Uggjg	MBD-X9DRD-7LN4F-JBOD	1	Super X9DRD-7LN4F-JBOD Motherboard
	CSE-846BE16-R920B	1	4U Chassis
6UWd'Uby	BPN-SAS2-846EL1	1	Backplane supports upto 24 SAS/SATA
7UVY`%	CBL-0062L	1	12V 8 TO 8 PIN POWER CONNECTOR EXTENSION, LF, 18AWG
7UVY`&	CBL-0296L	1	4 pin to 4 pin fan extension cord, for PWM fan. 23cm. 24AWG
7UVY`'	CBL-0352L	1	External IPASS to Internal IPASS 85CM 2-PORT FH. 26AWG
7UVY`(`	CBL-0421L	1	55CM IPASS TO IPASS PBF. 26AWG
78	CDR-X9	1	Driver CD for X9 series
<YUhgjb_`#FYH/bhjcb	SNK-P0048PS	2	2U Passive CPU Heat Sink for X9 Generation Motherboards w/ Narrow ILM
Dck Yf`Gi dd`m	PWS-920P-SQ	2	920W 1U Redundant PWS W/ Quiet Mode

### CdhjcbU`DUfng @jgh

	DUfh'Bi a VYf	E lm	8YgWjdhjcb
<88`?`Jh	MCP-220-84606-0N	-	Rear side 2x 2.5" HDD kit