

# Supermicro SuperStorage Server SSG-6048R-E1CR24L 4U DP 24xLFF LSI 3008 2x10GbE RED PSU

Kod producenta: SSG-6048R-E1CR24L

Chassis Form Factor	Rack 4U
CPU Socket	LGA 2011 (Socket R3)
# of CPU sockets	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	16
Max Memory Size	2048 GB
Integrated GPU	Aspeed AST2400
# of 2.5 hot-swap bays	2
# of 3.5 hot-swap bays	24
Backplanes	SAS3/SATA3
# of PCIe x16 3.0	1
# of PCIe x8 3.0	6
# of USB Ports	2 x USB 3.0 (rear) 1 x USB 3.0 Type A 2 x USB 2.0 (header)
# of SATA Ports	10
# of SAS Ports	8
Storage Controllers	6 x AHCI iSATA 6Gb/s 4 x sSATA 6Gb/s LSI 3008 12Gb/s IT
Integrated RAID	0,1,5,10
# of Serial Ports	1 x Fast UART 16550 (rear) 1 x Fast UART 16550 (header)
# of 10GbE Ports	2 x Base-T
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	920W
PSU Certification	80+ Platinum
Chassis Dimensions	437 x 178 x 673mm
Uwagi	PCI-Express Slots Configuration: 1 PCI-E 3.0 x16 6 PCI-E 3.0 x8 Slot 1&2 occupied by controller



## Product SKUs

SGG-6048R-E1CR24L • SuperServer 6048R-E1CR24L (Black)

## Motherboard

Super X10DRH-IT

## Processor/Cache

**CPU** • Intel® Xeon® processor E5-2600 v4<sup>1</sup>/ v3 family (up to 145W TDP) \*  
• Dual Socket R3 (LGA 2011)

**Cores / Cache** • Up to **22 Cores**<sup>1</sup> / Up to **55MB**<sup>1</sup> Cache

**System Bus** • QPI up to 9.6 GT/s

**Note** <sup>1</sup> 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<sup>1</sup> ECC 3DS LRDIMM, 512 ECC RDIMM

**Memory Type** • **2400**<sup>1</sup>/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit

**DIMM Sizes** • RDIMM: 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

**SAS** • SAS3 (12Gbps) via LSI 3008  
• IT mode firmware

**SATA** • SATA3 (6Gbps) with RAID 0, 1, 5, 10  
• 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

**Network Controllers** • Intel® X540 Dual Port 10GbE  
• Virtual Machine Device Queues reduce I/O overhead  
• Supports 10GBASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output  
• 1x Realtek RTL8201N PHY (dedicated IPMI)

**Graphics** • ASPEED AST2400 BMC

## Input / Output

**LAN** • 2x RJ45 10GBase-T LAN ports  
• 1x RJ45 Dedicated IPMI LAN port

**USB** • 2x USB 3.0 ports (rear)  
• 2x USB 2.0 ports (rear)  
• 1x Type A

**VGA** • 1x VGA port

**Serial Port / Header** • 1x Fast UART 16550 port / 1 Header



## Chassis

**Form Factor** • 4U Rackmount

**Model** • **CSE-846BE1C-R920B**

## Dimensions and Weight

**Width** • 17.2" (437mm)

**Height** • 7" (178mm)

**Depth** • 26.5" (673mm)

**Weight** • Gross Weight: 92 lbs (41.7 kg)  
• Net Weight: 55 lbs (24.9 kg)

**Available Colors** • Black

## Front Panel

**Buttons** • Power On/Off button  
• System Reset button  
• Power status LED  
• Hard drive activity LED

**LEDs** • 2x Network activity LEDs  
• System Overheat LED  
• Power fail LED

## Expansion Slots

**PCI-Express** • 1x PCI-E 3.0 x16 slot  
• 6x PCI-E 3.0 x8 slots  
• Slot 1 & 2 occupied by controller and JBOD Expansion Port

## Drive Bays

**Hot-swap** • 24x 3.5" Hot-swap SAS3/SATA3 drive bays

**Optional** • 2x 2.5" Hot-swap HDD bays (rear)

## Backplane

SAS3/SATA3 single expander per backplane

## System Cooling

**Fans** • 2x 80mm hot-swap rear exhaust cooling fans  
• Redundant cooling

## Power Supply

920W Redundant High-Efficiency Power Supplies w/ Power Distributor, PMBus 1.2, PFC, and PFC

**AC Input** • 100-240 V, 50-60 Hz, 11-4.5 Amp

**DC Output** • +5V standby: 4A  
• +12V: 75A

**With Power Distributor** • +5V: 45A  
• +3.3V: 24A  
• -12V: 0.6A

**Certification** **Platinum Certified**  
[ [Test Report](#) ]

## System BIOS

**BIOS Type** • 128Mb SPI Flash EEPROM with AMI BIOS  
• Plug and Play (PnP)  
• APM 1.2  
• PCI 2.2

**BIOS Features** • 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)

### **UWAGA !!!**

*Oferowany produkt to platforma serwerowa służąca do budowy swojej własnej konfiguracji serwera (nie zawiera CPU, RAM czy HDD ).*

*Jeżeli potrzebujesz kupić gotowy serwer wraz z CPU, RAM, HDD/SDD oraz innymi opcjami koniecznie wyślij do nas zapytanie. Posiadamy najlepsze ceny i dostępność na pełne konfiguracje. Zapewniamy pełne wsparcie techniczne do zakupionych u nas serwerów.*

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-superstorage-server-ssg-6048r-e1cr24l-4u-dp-24x1ff-lsi-3008-2x10gbe-red-psu-p-2054.html>