

Bacula Storage Appliance BSA-947S



Key Features

Dual-Path Storage Enclosure

Support two canister controllers; 1+1 redundant for Dual-Path Enclosure

Support 60 3.5" Top Loading SAS3 12 Gb/s Hot-Swappable HDDs

6x SAS3.0 IO ports (MiniSAS HD) per node

Dedicated IPMI RJ45 management port

Redfish OOB management protocol support

SCSI Enclosure Services SES-4 support

Hot-swappable Tool-less Modular Design for Easy Service and Easy Maintenance

Redundant Platinum 1600W power supply

For system validation and quality assurance purposes, system configurations require a minimum of 25% of the available drives be populated with validated Bacula drives. Please contact your Supermicro sales rep for validated HDD.

Specifications

Product SKUs

SuperChassis **947SE2C-R1K66JBOD**

Form Factor

4U

Dimensions**Height**

6.96" (177 mm)

Width

17.6" (447 mm)

Depth

32" (813 mm)

Gross Weight

173 lbs (78.47 kg)

Net Weight

110 lbs (49.9 kg)

Packaging (W x H x L)

N/A

Palletized Packing (W x H x L)

35.82" (790 mm) x 29.92" (743 mm) x

53.15" (1120 mm)

Available Color

Black

Drive Bays

60x 3.5"/2.5" hot-swap SAS drive bay with SES3

Qualified SAS Controllers

AOC-SAS3-9500-8E: SAS 12Gb/s PCIe 4.0

8-Port Host Bus Adapter

AOC-SAS3-9500-16E: SAS 12Gb/s PCIe 4.0

16-Port Host Bus Adapter

AOC-SAS3-9580-8I8E: SAS 12Gb/s PCIe

4.0 8-Port MegaRAID Controller

Backplane**Systems Cooling****Fans**

6x 8cm hot-swap redundant PWM cooling fan(s)

System Monitoring

IPMI

Operating Environment (System)**Operating Temperature****Range**

5°C - 35°C (41°F - 95°F)

Non-Operating**Temperature Range**

-40°C - 70°C (-40°F - 158°F)

Operating Relative**Humidity Range**

8% - 90% (non-condensing)

Non Operating Relative**Humidity Range**

5% - 95% (non-condensing)

Power Supply

1600W redundant power supply, Platinum level with PMBus & I2C

Power Efficiency

94%

Total Output Power and Input

1000W with Input 100 - 127Vac

1600W with Input 200 - 240Vac

AC Input Frequency

50-60Hz

Dimensions (L x W x H)

265 x 73.5 x 40 mm

Output Type

Backplanes (gold finger)

+12V

Max: 82A / Min: 0.1A (100Vac - 120Vac)

Max: 132A / Min: 0.1A (200Vac - 240Vac)

+12Vsb

Max: 2A / Min: 0.2A

Certification

Platinum Certified

Regulatory (Power Supply)

Midplane for topload CSE-947 60/90-bay
SBB/Twin/single-node system,RoHS
Adapter board between Expander and
HDD BPN for CSE-947H,RoHS
IPMI control board for CSE-947H top-load
60/90-bay JBOD
15-Port HDD Backplane for CSE-947H
60/90-bay top load chassis/server.,RoHS
JBOD I/O board for CSE-947H top-load
60/90-bay JBOD unit
SAS3 expander module for top-load 60/90-
bay single/twin/SBB CSE-947
project,RoHS

Front Panel

Button

Power On/Off button
Unit Identification (UID) button

LED

HDD activity LED
1 Network activity LEDs
System Information LED
Unit Identification (UID) LED
Power LED

Components

Standard Parts List

Bracket

Part Number	MCP-240-94706-0N
Qty	1
Description	SC947S/H Midplane bracket

Bracket

Part Number	MCP-240-94707-0N
Qty	5
Description	SC947S/H HDD partition bracket, left

Bracket

Part Number	MCP-240-94708-0N
Qty	5
Description	SC947S/H HDD partition bracket, right

HD Backplane

Power Supply Safety / EMC

BSMI
CCC
CE/EMC
FCC class A
TUV/CB
UL/CUL

Part Number	BPN-ADP-30SAS3-1
Qty	2
Description	Adapter board between Expander and HDD BPN for CSE-947H,RoHS
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HD Backplane	
Part Number	BPN-SAS3-947EB
Qty	4
Description	HDD Backplane (15-slot) for CSE-947H 60/90-bay top load chassis/server.,RoHS
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HD Backplane	
Part Number	BPN-SAS3-947EL
Qty	4
Description	SAS3 expander module for top-load 60/90-bay single/twin/SBB CSE-947 project,RoHS
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HD Backplane	
Part Number	BPN-SAS3-947HCB-JB
Qty	2
Description	IPMI control board for CSE-947H top-load 60/90-bay JBOD
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HD Backplane	
Part Number	BPN-SAS3-947HEL-JB
Qty	2
Description	JBOD I/O board for CSE-947H top-load 60/90-bay JBOD unit
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HD Backplane	
Part Number	BPN-SAS3-947SB
Qty	1
Description	Midplane for topload CSE-947 60/90-bay SBB/Twin/single-node system,RoHS
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Cable(s)	
Part Number	CBL-OTHR-1105
Qty	1
Description	60 SBB,SlimlineULP x12 to SlimlineLP x8,FFC,100 OHM to
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Cable(s)	
Part Number	CBL-PWEX-1101

Qty	1
Description	[NR]PH3.0,F to PH3.0,M,2x4P TO PH3.0,M,2x8P,6A/p,30.6/43.6CM,18AWG
Cable(s)	
Part Number	CBL-PWEX-1102
Qty	1
Description	[NR]MicroFit (2x8 to 2x4),Ph3.0,35/49cm,fold,18AWG,RoHS
Part(s)	
Part Number	MCP-240-94709-0N
Qty	1
Description	SC947S/H Rear Outer Enclosure
Part(s)	
Part Number	MCP-270-94702-0N
Qty	1
Description	SC947S 60-Bay Chassis External Enclosure Base
Part(s)	
Part Number	MCP-120-94705-0N
Qty	1
Description	SC947S Inner partition bracket, left
Part(s)	
Part Number	MCP-120-94706-0N
Qty	1
Description	SC947S Inner partition bracket, right
Part(s)	
Part Number	MCP-320-94703-0N
Qty	2
Description	SC947S/H reverse air blocker for MB tray
Part(s)	
Part Number	MCP-220-94710-0N
Qty	2
Description	SC947S/SC947H JBOD tray 2U height
Front Panel	
Part Number	FPB-FP827BR
Qty	1

Description 2U BigTwin front control board - right side

Drive Tray(s)

Part Number MCP-220-94601-0N
Qty 60
Description SC946ED 3.5" / 2.5" tool-less HDD tray

Power Supply & Accessory

Part Number PWS-1K66P-1R
Qty 2
Description 1U 1600W Redundant Platinum Power Supply 73.5mm width,RoHS/REACH,PBF

Mounting Rail(s)

Part Number MCP-290-00180-0N
Qty 1
Description L shape rail set for 4U chassis, quick release , for 17.6"W

Mounting Rail(s)

Part Number MCP-290-94704-0N
Qty 1
Description Inner rail set, ball bearing for 947S

Optional Parts

Cable

Part Number	CBL-SAST-0573-01	CBL-SAST-0677 •	CBL-SAST-0690-1 •
Qty	-	-	-
Description	MINI SAS HD, EXT, 1M, 28AWG	3m External Mini SAS HD to External Mini SAS HD 28AWG	MINI SAS HD,12G,EXT,2M,30AWG,RoHS
