

SuperChassis 947HE2C-R2K05JBOD



Key Features

- Dual-Path Storage Enclosure for High Availability Applications
- Support two canister controllers; 1+1 redundant for Dual-Path Enclosure
- Support 90 3.5"/2.5" Top Loading SAS3 12Gb/s Hot-Swappable HDDs
- 6x SAS3.0 IO ports (MiniSAS HD/SFF-8644) 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 Titanium 2000W power supply

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

Specifications

Product SKUs

SuperChassis 947HE2C-R2K05JBOD

Form Factor

4U Rackmount Top-Load JBOD Storage Enclosure

Dimensions

Height

6.96" (177 mm)

Width

17.6" (447 mm)

Depth

43.3" (1099 mm)

Gross Weight

225 lbs (102.06 kg)

Net Weight

130 lbs (58.97 kg)

Packaging (W x H x L)

N/A

Palletized Packing (W x H x L)

35.82" (910 mm) x 29.92" (760 mm) x 53.15" (1350 mm)

Available Color

Black

Drive Bays

90x 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

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

System Reset button

Unit Identification (UID) button

LED

HDD activity LED

1 Network activity LEDs

System Information LED

Unit Identification (UID) LED

Power LED

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

1U 2000W Redundant Titanium AC Power supply, 73.5x40x265mm, CRPS

Power Efficiency

96%

Total Output Power and Input

1000W with Input 100 - 120Vac

1980W with Input 220 - 230Vac

1800W with Input 200 - 220Vac

2000W with Input 200 - 240Vac

2000W with Input 230 - 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: 165A / Min: 0A (220Vac - 230Vac)

Max: 150A / Min: 0A (200Vac - 220Vac)

Max: 166.7A / Min: 0A (200Vac - 240Vac)(for UL/cUL only)

Max: 166.7A / Min: 0A (230Vac - 240Vac)

Max: 83.3A / Min: 0A (100Vac - 120Vac)

+12Vsb

Max: 2.1A / Min: 0A

Certification



Titanium Certified

Regulatory (Power Supply)

Power Supply Safety / EMC

BSMI

CCC

CE/EMC

FCC class A

TUV/CB

UL/CUL

Components

Standard Parts List

Bracket

Part Number MCP-240-94706-0N

Qty 1

Description

Bracket

Part Number MCP-240-94707-0N

Qty 3

Description

Bracket

Part Number MCP-240-94708-0N

Qty 3

Description

HD Backplane

Part Number BPN-ADP-30SAS3-1

Qty 3

Description Adapter board between
Expander and HDD BPN
for CSE-947H,RoHS

HD Backplane

Part Number BPN-SAS3-947EB

Qty 6

Description HDD Backplane (15-slot)
for CSE-947H 60/90-bay
top load
chassis/server.,RoHS

HD Backplane

Part Number BPN-SAS3-947EL

Qty 6

Description SAS3 expander module for
top-load 60/90-bay
single/twin/SBB CSE-947
project,RoHS

HD Backplane

Part Number BPN-SAS3-947HCB-JB

Qty 2

Description IPMI control board for
CSE-947H top-load 60/90-
bay JBOD

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

HD Backplane

Part Number BPN-SAS3-947SB

Qty 1

Description Midplane for topload CSE-
947 60/90-bay
SBB/Twin/single-node
system,RoHS

Cable(s)

Part Number CBL-OTHR-1104

Qty 1

Description 90 SBB,SlimlineULP x12 to
SlimlineLP x8,FFC,100
OHM to

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]PH3.0,F
toPH3.0,M,2x4P TO
PH3.0,M,2x8P,6A/p,35.3/48
.5CM,18AWG

Cable(s)

Part Number CBL-PWEX-1103

Qty 1

Description [NR]PH3.0,F to
PH3.0,M,2x4P TO
PH3.0,M,2x8P,6A/pin,18A
WG,72.4/85.5CM

Part(s)

Part Number MCP-240-94709-0N

Qty 1

Description

Part(s)

Part Number MCP-270-94703-0N

Qty 1

Description

Part(s)

Part Number MCP-120-94707-0N

Qty 1

Description

Part(s)

Part Number MCP-120-94708-0N

Qty 1

Description

Part(s)

Part Number MCP-320-94703-0N

Qty 2

Description

Part(s)

Part Number MCP-220-94710-0N

Qty 2

Description

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 90

Description SC946ED 3.5" / 2.5" tool-
less HDD tray

Power Supply & Accessory

Part Number PWS-2K05A-1R

Qty 2

Description 1U 2000W Redundant
Titanium Power Supply
W/PMbus
73.5x40x265mm,RoHS/RE
ACH

Mounting Rail(s)

Part Number MCP-290-00180-0N
Qty 1
Description

Mounting Rail(s)

Part Number MCP-290-94703-0N
Qty 1
Description

Optional Parts

Cable

Part Number	CBL-SAST-0573-01	CBL-SAST-0677 •eStore	CBL-SAST-0690-1 •eStore
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,Ro HS
