

## Bacula Storage Appliance BSA-846B



▶ [Chassis Manual](#) ▶ [Drive Options](#)

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

### Key Features

1. **Cloud Backup, Data Replication, or High Density Archive Storage Applications**  
4U Storage JBOD Chassis with capacity 24 x 3.5" hot-swappable HDDs bays
2. Dual Expander Backplane Boards support SAS3/2 HDDs with 12Gb/s throughput
3. 8 x Mini-SAS HD ports for Internal / External Cascading Expander Combination for high performance, high availability or high redundancy requirements
4. 1x IPMI port for Remote System Power on/off and system monitoring
5. Support NTP for time synchronization & RTC battery backup
6. 1000W (1+1) 96% efficient Titanium level power supplies
7. 5 hot-plug redundant cooling fans
8. Ideal for Cloud backup, data Replication or High density Archive Storage Applications:
9. Qualified SAS HBA / controller:  
**AOC-SAS3-9300-8E** - 12Gb/s 2-external ports SAS3 HBA  
**AOC-SAS3-9380-8E** - 12Gb/s 2-external ports SAS3 RAID Controller

For optimal performance and quality, Bacula validated drives are recommended. Please contact your sales rep for validated HDD.

# Specifications

## Product SKUs

- **CSE-846BE2C-R1K03JBOD** ■ SuperChassis 846BE2C-R1K03JBOD

## Form Factor

- 4U JBOD storage chassis

## Dimensions

- **Height** ■ 7" (178 mm)
- **Width** ■ 17.2" (437 mm)
- **Depth** ■ 26" (660 mm)
- **Net Weight** ■ 60 lbs (27.22 kg)
- **Gross Weight** ■ 80 lbs (36.29 kg)
- **Packaging (W x H x L)** ■ 27" (686 mm) x 14.8" (376 mm) x 37.3" (947 mm)
- **Available Color** ■ Black

## Drive Bays

- 24 x 3.5" hot-swap HDD bays for JBOD solution

## Qualified SAS Controllers

- **AOC-SAS3-9300-8E**: SAS 12Gb/s PCIe 3.0 8-Port Host Bus Adapter
- **AOC-SAS3-9380-8E**: SAS 12Gb/s PCIe 3.0 8-Port MegaRAID Controller

## Backplane

- 24-port 4U SAS3 12Gbps dual-expander backplane, support up to 24x 3.5-inch SAS3/SATA3 HDD/SSD (secondary expander port only connects to dual-port SAS devices, single-port SATA will not have this redundancy feature)

## Front Panel

- **Buttons** ■ Power On/Off button  
■ System Reset Button  
■ Unit Identification (UID) button
- **LEDs** ■ 1 Network Activity LEDs

## Systems Cooling

- **Fans** ■ 3 x 8cm hot-swap redundant PWM cooling fan(s)  
■ 2 x 8cm hot-swap exhaust fan(s) & air shroud

## Operating Environment (System)

- **Operating Temperature Range** ■ 5°C - 35°C (41°F - 95°F)
- **Non-Operating Temperature Range** ■ -40°C - 60°C (-40°F - 140°F)
- **Operating Relative Humidity Range** ■ 8% - 90% (non-condensing)
- **Non-Operating Relative Humidity Range** ■ 5% - 95% (non-condensing)

## Power Supply

1U 800/1000W Redundant Titanium Single Output Power Supply W/PMbus

- **Power Efficiency** ■ 96%
- **Total Output Power and Input** ■ 800W with Input 100 - 127Vac  
■ 1000W with Input 200 - 240Vac  
■ 1000W with Input 200 - 240Vdc
- **AC Input Frequency** ■ 50-60Hz
- **Dimensions (L x W x H)** ■ 336 x 76 x 40 mm
- **Output Type** ■ Backplanes (gold finger)
- **+12V** ■ Max: 66.7A (100Vac - 127Vac)  
■ Max: 83A (200Vac - 240Vac)  
■ Max: 83A (200 - 240)
- **+5Vsb** ■ Max: 4A / Min: 0A
- **Power Distributor** ■ PDB-PT846-2824  
■ O/P: 12V/135  
■ +5V Max: 50  
■ +3.3V Max: 24  
■ -12V Max: 0.6

## Certification



■ Titanium Certified

## Regulatory (Power Supply)

- **Power Supply Safety / EMC** ■ BSMI  
■ CCC  
■ CE/EMC  
■ FCC class A  
■ UL/CB  
■ UL/CUL

# Components

## Standard Parts List

	Part Number	Qty	Description
<b>Air Shroud</b>	MCP-310-49003-0N	1	SC846 Intel DP X9, X8 PC air shroud 1368x13/12x13MB
<b>HD Backplane</b>	BPN-SAS3-846EL2	1	24-port 4U SAS3 12Gbps dual-expander backplane, support up to 24x 3.5-inch SAS3/SATA3 HDD/SSD (secondary expander port only connects to dual-port SAS devices, single-port SATA will not have this redundancy feature)
<b>Control Board</b>	CSE-PTJBOD-CB3	1	JBOD chassis power control board with IPMI remote on/off feature
<b>Cable(S)</b>	CBL-0071L	1	ROUND 16 TO 16 PIN RIBBON FP CABLE 30"L, LF
<b>Cable(S)</b>	CBL-0160L	2	US POWER CORD 16AWG, PB FREE
<b>Cable(S)</b>	CBL-0217L	1	16PIN CNTL PANEL CONVERTER CBL FOR SC826,PBF
<b>Cable(S)</b>	CBL-0296L	2	9" 4 PIN FAN PWS EXTENSION CORD, PBF
<b>Cable(S)</b>	CBL-CDAT-0601	1	4 Pin to 4 Pin I2C cable, 50cm, 26AWG
<b>Cable(S)</b>	CBL-NTWK-0587	1	INT RJ45M/RJ45F Adapter W/ PCB 50CM 24AWG for SC847D JBOD
<b>Cable(S)</b>	CBL-SAST-0593-01	8	Internal Mini-SAS HD to Mini-SAS HD 60cm,30AWG,12Gb/s [FCI]
<b>Fan(s)</b>	FAN-0125L4	2	80x32 mm 6.7K RPM SC836 Rear Exhaust Fan w/ Housing
<b>Fan(s)</b>	FAN-0127L4	3	80x80x38 mm 7K RPM SC846 Middle Fan w/ Housing
<b>Front Panel</b>	MCP-280-82601-0N	1	Front control board adapter (TB826) for SC216,826,936,846
<b>Drive Tray(s)</b>	MCP-220-00075-0B	24	Black gen 5.5 hot-swap 3.5" HDD tray
<b>Power Distributor</b>	PDB-PT846-2824	1	PDB with 23pairs input connector support SC846B
<b>Part(s)</b>	MCP-260-00011-0N	1	I/O shield without any opening
<b>Power Supply &amp; Accessory</b>	MCP-290-84604-0N	1	SC846 PDB Cover
<b>Power Supply &amp; Accessory</b>	PWS-1K03A-1R	2	1U 1000W Redundant Power Supply Titanium W/PMbus 76x40x336mm,RoHS/REACH
<b>Mounting Rail(s)</b>	MCP-410-00007-0N	1	Rail screw bag
<b>Mounting Rail(s)</b>	MCP-290-00057-0N	1 set	Rail set, quick/quick, default for 4U 17.2"; W
<b>Rear Window</b>	MCP-240-84602-0N	1	846B rear window which support 2 X 2.5" HDD module and DVD

## Optional Parts List

	Part Number	Qty	Description
<b>Cable</b>	CBL-SAST-0573	-	External mini SAS HD to external mini SAS HD cable 28AWG (1M)
<b>Cable</b>	CBL-SAST-0690-1	-	MINI SAS HD,12G,EXT,2M,30AWG,RoHS
<b>Cable</b>	CBL-SAST-0677	-	3m external Mini SAS HD to external mini SAS HD.28AWG,RoHS/REACH
<b>Drive Trays</b>	MCP-220-00118-0B	-	Black gen-5.5 tool-less 3.5-to-2.5 converter drive tray,RoHS/REACH