

SuperChassis 846BE1C-R609JBOD



▶ [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. Single Expander Backplane Boards support SAS3/2 HDDs with 12Gb/s throughput
3. 4 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. 600W (1+1) 94% efficient Platinum level power supplies
7. 5 hot-plug redundant cooling fans
8. Ideal for Cloud backup, data Replication or High desnsity 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, Supermicro validated drives are recommended. Please contact your Supermicro sales rep for validated HDD.

Specifications

Product SKUs

- CSE-846BE1C-R609JBOD
- SuperChassis 846BE1C-R609JBOD

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 single-expander backplane, support up to 24x 3.5-inch SAS3/SATA3 HDD/SSD

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

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

600W / 650W 1U Redundant Power Supply

- Power Efficiency
- 94%
- Total Output Power and Input
- 600W with Input 100 - 127Vac
■ 650W with Input 200 - 240Vac
■ 650W 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: 50A (100Vac - 127Vac)
■ Max: 54.16A (200Vac - 240Vac)
■ Max: 54.16A (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
-  Platinum Certified

Regulatory (Power Supply)

- Power Supply Safety / EMC
- BSMI
■ CCC
■ CE/EMC
■ FCC

Components

Standard Parts List

	Part Number	Qty	Description
Air Shroud	MCP-310-49003-0N	1	SC846 Intel DP X9, X8 PC air shroud 1368x13/12x13MB
HD Backplane	BPN-SAS3-846EL1	1	24-port 4U SAS3 12Gbps single-expander backplane, support up to 24x 3.5-inch SAS3/SATA3 HDD/SSD
Control Board	CSE-PTJBOD-CB3	1	JBOD chassis power control board with IPMI remote on/off feature
Cable(S)	CBL-0071L	1	ROUND 16 TO 16 PIN RIBBON FP CABLE 30"L, LF
Cable(S)	CBL-0160L	2	US POWER CORD 16AWG, PB FREE
Cable(S)	CBL-0217L	1	16PIN CNTL PANEL CONVERTER CBL FOR SC826,PBF
Cable(S)	CBL-0296L	4	9" 4 PIN FAN PWS EXTENSION CORD, PBF
Cable(S)	CBL-CDAT-0601	1	4 Pin to 4 Pin I2C cable, 50cm, 26AWG
Cable(S)	CBL-NTWK-0587	1	INT RJ45M/RJ45F Adapter W/ PCB 50CM 24AWG for SC847D JBOD
Cable(S)	CBL-SAST-0593-01	4	Internal Mini-SAS HD to Mini-SAS HD 60cm,30AWG,12Gb/s [FCI]
Fan(s)	FAN-0125L4	2	80x32 mm 6.7K RPM SC836 Rear Exhaust Fan w/ Housing
Fan(s)	FAN-0127L4	3	80x80x38 mm 7K RPM SC846 Middle Fan w/ Housing
Front Panel	MCP-280-82601-0N	1	Front control board adapter (TB826) for SC216,826,936,846
Drive Tray(s)	MCP-220-00075-0B	24	Black gen 5.5 hot-swap 3.5" HDD tray
Power Distributor	PDB-PT846-2824	1	PDB with 23pairs input connector support SC846B
Part(s)	MCP-260-00011-0N	1	I/O shield without any opening
Power Supply & Accessory	MCP-290-84604-0N	1	SC846 PDB Cover
Power Supply & Accessory	PWS-1K03A-1R	2	1U 1000W Redundant Power Supply Titanium W/PMbus 76x40x336mm,RoHS/REACH
Power Supply & Accessory	PWS-609P-1R2	2	1U, platinum efficiency, 600W/650W, AC input: 100-127/200-240Vac.
Mounting Rail(s)	MCP-410-00007-0N	1	Rail screw bag
Mounting Rail(s)	MCP-290-00057-0N	1 set	Rail set, quick/quick, default for 4U 17.2"; W
Rear Window	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
Cable	CBL-SAST-0573	-	External mini SAS HD to external mini SAS HD cable 28AWG (1M)
Cable	CBL-SAST-0690-1	-	MINI SAS HD,12G,EXT,2M,30AWG,RoHS
Cable	CBL-SAST-0677	-	3m external Mini SAS HD to external mini SAS HD.28AWG,RoHS/REACH
Drive Trays	MCP-220-00118-0B	-	Black gen-5.5 tool-less 3.5-to-2.5 converter drive tray,RoHS/REACH