

SuperChassis 216BE1C-R609JBOD



Key Features

1. Cloud Backup, Data Replication, or High Density Archive Storage Applications

2U Storage JBOD Chassis with capacity 24 x 2.5" hot-swappable HDDs bays

2. Single Expander Backplane Boards support SAS3/2 or SATA3 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. 3 x 80mm high efficient hot-swappable fans for best system cooling

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, Supermicro validated drives are recommended. Please contact your Supermicro sales rep for validated HDD.

Specifications

Product SKUs

- **CSE-216BE1C-R609JBOD** ■ SuperChassis 216BE1C-R609JBOD

Form Factor

- 2U JBOD storage chassis

Dimensions

- **Height** ■ 3.5" (89 mm)
- **Width** ■ 17.2" (437 mm)
- **Depth** ■ 24.8" (630 mm)
- **Gross Weight** ■ 61 lbs (27.67 kg)
- **Net Weight** ■ 31 lbs (14.06 kg)
- **Packaging (W x H x L)** ■ 26.7" (678 mm) x 11.4" (290 mm) x 34.5" (876 mm)
- **Available Color** ■ Black

Drive Bays

- 24x2.5" hot-swap HDD bay for JBOD solution

Qualified SAS Controllers

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

Backplane

- 24-Port 2U SAS3 12Gbps single-expander backplane, support up to 24x2.5-inch SAS3/SATA3 HDD/SSD

Front Panel

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

Systems Cooling

- **Fans** ■ 3x80x38mm hot-swap 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

600W / 650W 1U Redundant Power Supply

- **Power Efficiency** ■ 94%
- **Total Output Power and Input** ■ 650W with Input 200 - 240Vac
 - 600W with Input 100 - 127Vac
 - 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: 54.16A / Min: 0A (200Vdc - 240Vdc)(for CCC only)
 - Max: 54.16A / Min: 0A (200Vac - 240Vac)
 - Max: 50A / Min: 0A (100Vac - 127Vac)
- **+5Vsb** ■ Max: 4A / Min: 0A
- **Power Distributor** ■ PDB-PT216-2824
 - O/P: 12V/100
 - +5V Max: 30A
 - +3.3V Max: 24A
 - -12V Max: 0.6A

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-310-29001-0N	1	SC825/826/216/213 Intel DP X9,X8 air shroud 13.68x13/12x13
Bracket	MCP-320-82601-0N	1	Middle fan bracket for 826B/216B with 3 X 8cm fan
Bracket	MCP-120-84702-0N	1	CB3 mounting bracket for use on chassis with CB2 holes. Bracket to mount CB3 card on existing CB2 standoff on SC847/SC417/SC837/SC826/SC836/SC846 in JBOD configuration.,HF,RoHS/REACH,PBF
Bracket	MCP-120-84705-0N	1	LP PCI bracket for CBL-NTWK-0587 LAN extension cable,HF,RoHS/REACH,PBF
HD Backplane	BPN-SAS3-216EL1	1	24-port 2U SAS3 12Gbps single-expander backplane, support up to 24x 2.5-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-0088	3	10.5", 4 PIN MIDDLE FAN POWER EXTENSION (PWM)
Cable(s)	CBL-0160L	2	US POWER CORD 16AWG, PB FREE
Cable(s)	CBL-0182L	1	PWR EXTENSION.HDD TO RIGHT ANGLE HDD,PBF
Cable(s)	CBL-0217L	1	16PIN CNTL PANEL CONVERTER CBL FOR SC826,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-0532	4	Internal Mini-SAS HD to Mini-SAS HD 50cm,30AWG,12Gb/s
Part(s)	MCP-230-82602-0N	1	Top cover for SC826B/216B/825B
Part(s)	MCP-290-00088-0N	1	SC119 Intrusion assembly
Part(s)	MCP-120-00062-0N	7	Blank LP L-bracket (5x5 square hole)
Fan(s)	FAN-0204L4	3	80x80x38 mm, 7K RPM, Middle Cooling Fan w/ New Plastic Mater
Front Panel	FPB-FP826-D	1	Front control board Dual color LED(FP826-D)forSC826,213,216,219
Front Panel	TB826	1	Front panel adaptor board (TB826) forSC826,213,216,219
Drive Tray(s)	MCP-290-82607-0N	1	826B/216B rear dummy cover for 2 X 2.5
Drive Tray(s)	MCP-220-00047-0B	24	Black gen 3rd hot-swap 2.5inch HDD tray
Power Distributor	PDB-PT216-2824	1	PDB with 23pairs input connectors for SC216B
Part(s)	MCP-260-00011-0N	1	I/O shield without any opening
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-290-00053-0N	1	Rail set, quick/quick, default for 2,3U 17.2";W
Mounting Rail(s)	MCP-290-00060-0N	1	Threaded rail adapter default for round hole rack
Rear Window	MCP-240-82608-0N	1	216B/826B LP rear window,RoHS/REACH,PBF

Optional Parts List

	Part Number	Qty	Description
Cable	CBL-SAST-0690-1 • eStore	-	MINI SAS HD,12G,EXT,2M,30AWG,RoHS
	CBL-SAST-0573 • eStore	-	External mini SAS HD to external mini SAS HD cable 28AWG (1M)
	CBL-SAST-0677 • eStore	-	3m external Mini SAS HD to external mini SAS HD.28AWG,RoHS/REACH