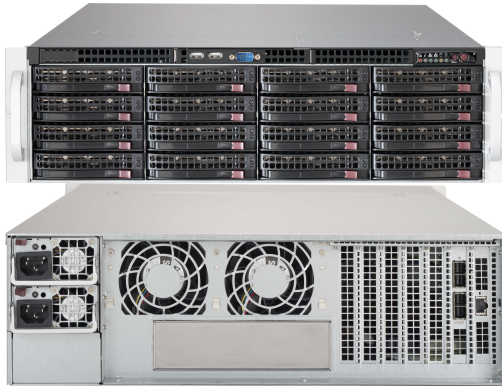


SuperChassis 836BE1C-R1K03JBOD



► [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**
3U Storage JBOD Chassis with capacity 16 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. 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, Supermicro validated drives are recommended. Please contact your Supermicro sales rep for validated HDD.

Specifications

Product SKUs

- **CSE-836BE1C-R1K03JBOD** ■ SuperChassis 836BE1C-R1K03JBOD

Form Factor

- 3U JBOD storage chassis

Dimensions

- | | |
|------------------------------|---|
| Height | ■ 5.2" (132 mm) |
| Width | ■ 17.2" (437 mm) |
| Depth | ■ 25.5" (647 mm) |
| Net Weight | ■ 55 lbs (24.95 kg) |
| Gross Weight | ■ 80 lbs (36.29 kg) |
| Packaging (W x H x L) | ■ 26.6" (676 mm) x 13" (330 mm) x 39.9" (1013 mm) |
| Available Color | ■ Black |

Drive Bays

- 16 x 3.5" hot-sw ap 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

- 16-port 3U SAS3 12Gbps single-expander backplane, support up to 16x 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-sw ap redundant PWM cooling fan(s)
■ 2 x 8cm hot-sw ap 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

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-PT826-8824
■ O/P: 12V/135
■ +5V Max: 40
■ +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
Air Shroud	MCP-310-39001-0N	1	SC835/836/936 Intel DP X9-X10 PC air shroud 1368x13/12x13MB
HD Backplane	BPN-SAS3-836EL1	1	16-port 3U SAS3 12Gbps single-expander backplane, support up to 16x 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	CBL,FRONT CNTL,16 TO 16 PIN,RA,RND TUBE,75CM,28AWG
Cable(S)	CBL-0088L	1	4 PIN MIDDLE FAN POWER CABLE (PWM). 27cm, 24AWG
Cable(S)	CBL-0296L	2	4 pin to 4 pin fan extension cord, for PWM fan. 23cm. 24AWG
Cable(S)	CBL-CDAT-0601	1	CBL,I2C,1X4F/P2.5 TO 1X4F/P2.5,50CM,26AWG,BRN/BLK-SHUNT/ORG
Cable(S)	CBL-NTWK-0587	1	INT RJ45MRJ45F Adapter W/ PCB 50CM 24AWG for SC847D JBOD
Cable(S)	CBL-SAST-0532	4	MINI SAS HD,12G,INT,50CM,30AWG
CD-ROM & Accessory	MCP-290-00007-01	1	Black DVD dummy cover for SC825, 836
Fan(s)	FAN-0125L4	2	80x32 mm 6.7K RPM SC836 Rear Exhaust Fan w / Housing
Fan(s)	FAN-0126L4	3	80x80x38 mm 7K RPM Chassis Middle Fan w / Housing
Drive Tray(s)	MCP-220-00007-01	1	Black USB/COM port tray for SC825, 836
Drive Tray(s)	MCP-220-00075-0B	16	Black gen 5.5 hot-sw ap 3.5"; HDD tray
Power Distributor	PDB-PT826-8824	1	PDB with longer 24pin for SC826B
Part(s)	MCP-260-00011-0N	1	I/O shield without any opening
Part(s)	MCP-290-83601-0V	1 set	Silver chassis handles (left and right) for SC836/835
Power Supply & Accessory	PWS-1K03A-1R	2	1U 1000W Redundant Power Supply Titanium W/PMbus 76x40x336mm,RoHS/REACH
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
Rear Window	MCP-240-83605-0N	1	836B chassis rear window (to support the optional MCP-220-83605-0N)

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