



SuperChassis 846E1-R900B

Products > Chassis > 4U > [SC846E1-R900B]



Alternate View



Rear View

Key Features


- High Efficiency PS and Storage Capacity

1. High density 4U Storage Chassis
2. 900W (1+1) Redundant Power Supply
3. 24 x 3.5" SAS Hot-swap Drive Bays with SES2 (for single-port)
4. 2x Extra HDDs (optional)
5. 100% Cooling Redundancy
6. Power Switch, Reset Switch & 6 LED Indicators
7. Can be configured as either HEAD Or JBOD unit

Available Colors

Black

Downloads

Chassis Manual 

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

Specifications

Product SKUs

CSE-846E1-R900B ■ SuperChassis 846E1-R900B (Black)

Form Factor

4U chassis support for motherboards up to size 13.68" x 13", E-ATX

Processor Support

Supports dual, single Intel® / AMD processors

Dimensions

- Height** ■ 7" (178mm)
- Width** ■ 17.2" (437mm)
- Depth** ■ 26" (660mm)
- Gross Weight** ■ 75 lbs (34.0kg)
- Available Colors** ■ Black

Expansion Slots

7x Full-height, Full-length PCI expansion slots

Drive Bays

- Hot-swap**
 - 24x 3.5" Hot-swap SAS Drive Bays
 - SAS or enterprise SATA HDD only recommended
- Optional**
 - 2x Fixed Internal Hard Drive Bays OR
 - 1x Fixed Internal Hard Drive Bay and 1x Slim DVD-ROM Drive or Floppy Drive

System Cooling

Fans

- 3x 5000 RPM Hot-swap PWM Cooling Fans
- 2x 5000 RPM Hot-swap Rear Exhaust PWM Fans

System Monitoring

Chassis intrusion switch

Operating Environment (System)

- Operating Temperature Range** ■ 10 - 35°C (50° to 95° F)
- Non-Operating Temperature Range** ■ -40 - +70°C (-40° to 158° F)
- Humidity Range** ■ 8 - 90% non-condensing
- Non-Operating Humidity Range** ■ 5 - 95% non-condensing

Power Supply & Power Distributor

900W (1 + 1) Redundant AC to DC power supply w/ PFC

- AC Voltage** ■ 100 - 240V, 60-50Hz, 11-4.5 Amp
- +5V** ■ 50 Amp
- +5V standby** ■ 4 Amp
- +12V** ■ 75 Amp
- 12V** ■ 0.6 Amp
- +3.3V** ■ 30 Amp

Backplane

4U Expander Backplane, features:

- Scalability through cascading
- 3Gb support
- Inband SES-2 Enclosure Management
- SAS/SATA support
- Single input/output SFF 8087 connectors

Front Panel

- | | |
|----------------|---|
| Buttons | <ul style="list-style-type: none"> ▪ Power On/Off button ▪ System Reset button |
| LEDs | <ul style="list-style-type: none"> ▪ Power LED ▪ Hard drive activity LED ▪ 2x Network activity LEDs ▪ System Overheat LED ▪ Power Fail LED |


Regulatory (Power Supply)

- | | |
|----------------------------------|---|
| Power Supply Safety / EMC | <ul style="list-style-type: none"> ▪ USA - UL listed, FCC ▪ Canada - CUL listed ▪ Germany - TUV Certified ▪ Europe/CE Mark ▪ EN 60950/IEC 60950-Compliant ▪ CCC |
|----------------------------------|---|

Components**Standard Parts List**

	Part Number	Qty	Description
SC846E1-R900B Chassis	CSE-846E1-R900B	1	4U Chassis (Black)
Air Shroud	MCP-310-48003-0N	1	SC846 Intel DP X8.X7 PC air shroud [Manual]
Backplane	BPN-SAS-846EL1	1	4U SAS / SATA Expander Backplane with single LSI SASX36 Expander Chip
Cable(s)	CBL-0087	1	20", 16 to 16 pin Ribbon Front Panel Cable
	CBL-0160L	2	US Power Cord
	CBL-0217L	1	16-pin Control Panel Converter Cable
Fan(s)	FAN-0062L4	2	80x32mm Rear Exhaust PWM Fan
	FAN-0095L4	3	80X38mm 4-pin chassis PWM fan
Drive Trays	MCP-220-00024-0B	24	3.5" Hot-swappable Hard Drive Trays (Black)
Mounting Rail	MCP-290-00057-0N	1	26.5" to 36.4" rail set, Quick Release for 4U 17.2" W (for rev. K4 or later)
Rail Adaptor	MCP-290-00060-0N	1	Square hole to round hole rail adaptor set
Power Supply	PWS-902-1R	2	900W High-efficiency Power Supply (Redundant)
	PDB-PT846-8824	1	Power Supply Backplane

Optional Parts List

	Part Number	Qty	Description
Cable(s)	CBL-0140L	-	60cm 80-wire IDE DVD drive cable
	CBL-0167L	-	SAS 846EL1 BP 1-Port Internal Cascading Cable
	CBL-0168L	-	SAS 836EL2 BP 2-Port Internal Cascading Cable
	CBL-0084L	-	Front control cable split converter 6"
Cable(s)	CBL-0108L-02	-	SFF 8087 to SFF 8087 Internal Backplane Cable, 39cm
	CBL-0281L	-	SFF 8087 to SFF 8087 Internal Backplane Cable, 75cm
Cable(s)	CBL-0143L	-	1x 4pin to 1x SATA S-RA SATA power extension
	CBL-0082L	-	1x 4pin to 2x SATA S-RA SATA power extension
	CBL-0231L	-	70cm round S-RA SATA cable
Drive Trays	MCP-220-84601-0N	-	Single 3.5" Fixed HDD Tray (RA cables required)
	MCP-220-84603-0N	-	Dual 2.5" Fixed HDD Tray (including MCP-220-84601-0N)
	MCP-220-00043-0N	-	3.5" convert to 2.5" hot-swap HDD Tray
Peripheral Drives	DVM-TEAC-824B	-	Black slim IDE DVD (8x DVD, 24x CDR), TEAC
	DVM-PNSC-824B	-	Black slim IDE DVD (8x DVD, 24x CDR), Panasonic
	DVM-TEAC-DVD-SBT1	-	Black slim SATA DVD (8x DVD, 24x CDR), TEAC
	DVM-PNSC-DVD-SBT1	-	Black slim SATA DVD (8x DVD, 24x CDR), Panasonic
	MCP-220-84604-0N	-	Slim IDE DVD kit with bracket for SC846
	MCP-220-84605-0N	-	Slim SATA DVD kit with bracket for SC846
Mounting Rail	MCP-290-00058-0N	-	19" to 26.6" rail set, Quick Release, Tool-less (for rev. K4 or later)
Heatsink / Retention	-	-	Please refer to our Thermal Components Matrix
Front Bezel (Compatibility Table)	MCP-210-84601-0B	-	 <p>Front Bezel Cover, Black with Key Lock</p>

JBOD Kit - Used for cascading purposes	CSE-PTJBOD-CB2	-	Power Control Card for JBOD
	CBL-0166L	-	SAS BP External Cascading Cable
	CBL-0102L	-	I ² C CABLE FOR SATA LED, 51CM, LF
	CBL-0351	-	Full Height Bracket. 85CM 1-PORT EXT IPASS TO INT IPASS
	CBL-0352	-	Full Height Bracket. 85CM 2-PORT EXT IPASS TO INT IPASS
	MCP-260-00011-0N	-	I/O shield without any opening
RAID cards	AOC-USAS-H4iR	-	4 int/4 ext ports, supports 240 HDDs
	AOC-USASLP-H8iR	-	8 int ports, supports 240 HDDs
	AOC-USAS-S4i	-	4 int/4 ext ports, supports 122 HDDs
	AOC-USAS-S4iR	-	4 int/4 ext ports, supports 122 HDDs
HBA cards	AOC-USAS-L8i	-	8 int ports, supports 122 HDDs
	AOC-USAS-L4i	-	4 int/4 ext ports, supports 63 HDDs
	AOC-USASLP-L8i	-	8 int ports, supports 122 HDDs

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