SuperChassis 846E2-R900B

Alternate View

Rear View

Available Colors

Black

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

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 (dual-channel)
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

Downloads

Chassis Manual

Specifications

Product SKUs - Discontinued SKU. Please contact sales-rep for possible OEM production quantities. MOQ may apply

CSE-846E2-R900B	SuperChassis 846E2-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 DVD-ROM Drive or Floppy Drive

Backplane

4U Dual Expander Backplane, features:
- Scalability through cascading
- 3Gb support
- Inband SES-2 Enclosure Management
- SAS/SATA support
- Dual input/output SFF 8087 connectors

Front Panel

Buttons	Power On/Off button System Reset button
LEDs	Power LED Hard drive activity LED 2x Network activity LEDs System Overheat LED Power Fail LED

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	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 & Power Distributor

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

AC Voltage	100 - 240V, 60-50Hz, 11-4.5 Amp
+5V standby	4 Amp
+12V	75 Amp
With Power Distributor	+5V: 50 Amp +3.3V: 30 Amp -12V: 0.6 Amp

Regulatory (Power Supply)

Power Supply Safety / EMC	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
SC846E2-R900B Chassis	CSE-846E2-R900B	1	4U Chassis (**Black**)
Air Shroud	MCP-310-48003-0N	1	SC846 Intel DP X8.X7 PC air shroud [Manual]
Backplane	BPN-SAS-846EL2	1	4U SAS / SATA Expander Backplane with dual LSI SASX36 Expander Chips
Bracket	MCP-290-84601-0N	1	Rear Dummy CD-ROM bracket
	MCP-290-84603-0N	1	HDD Backplane Bracket
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-0127L4	3	80x80x38 mm 7K RPM SC846 Middle Fan w/ Housing
	FAN-0125L4	2	80x32 mm 6.7K RPM SC836 Rear Exhaust Fan w/ Housing
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-0167L	-	SAS 846EL1 BP 1-Port Internal Cascading Cable
	CBL-0168L	-	SAS 846EL2 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
	MCP-120-00035-0N	-	Retention bracket kit for CF card reader
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-SBT3	-	Black slim SATA DVD (8x DVD, 24x CDR), TEAC
	DVM-PNSC-DVD-SBT3	-	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	-	Front Bezel Cover, Black with Key Lock
JBOD Kit - Used for cascading purposes	CSE-PTJBOD-CB2	-	Power Control Card for JBOD
	CBL-0166L	-	SAS BP External Cascading Cable
	CBL-0102L	-	I^2C CABLE FOR SATA LED, 51CM, LF
	CBL-0352L	-	85CM 2-PORT EXT IPASS TO INT IPASS
	MCP-260-00011-0N	-	I/O shield without any opening
RAID cards	AOC-USAS2-H4iR	-	4 int/4 ext ports, supports 240 HDDs
	AOC-USAS2LP-H8iR	-	8 int ports, supports 240 HDDs
	AOC-USAS2-S4i	-	4 int/4 ext ports, supports 122 HDDs
	AOC-USAS2-S4iR	-	4 int/4 ext ports, supports 122 HDDs
HBA cards	AOC-USAS2-L8i	-	8 int ports, supports 122 HDDs
	AOC-USAS2-L4i	-	4 int/4 ext ports, supports 63 HDDs
	AOC-USAS2-L8i	-	8 int ports, supports 122 HDDs
LCD/OLED Solutions	-	-	Please reference the LCD/OLED Display Solutions for details
Adaptor HDD carrier	MCP-220-00043-0N	-	Adaptor HDD carrier to install 2.5" HDD in 3.5" HDD tray

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