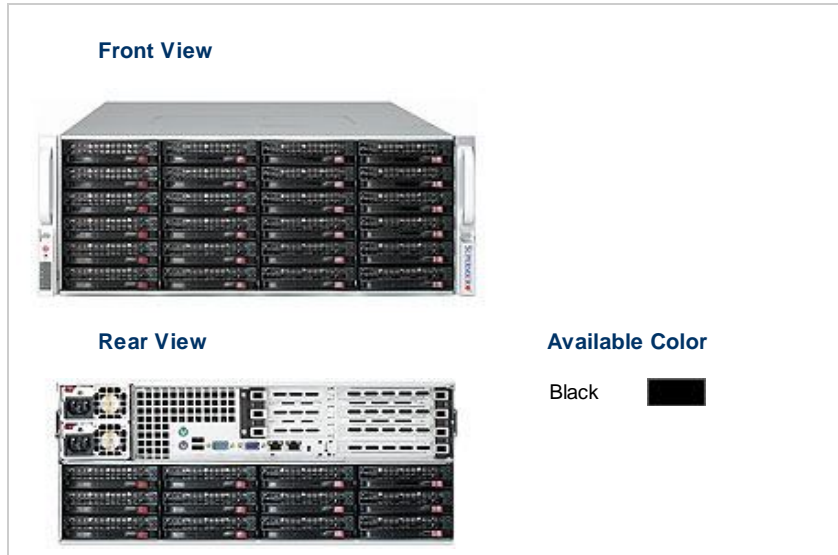


# SuperChassis 847E16-R1400UB

Products > Chassis > 4U > [ SC847E16-R1400UB ]



### Key Features

**• High Efficiency Power & High Storage Capacity**

1. Extra High-Density 4U Storage Chassis
2. High-Availability Features: Redundant, Hot-pluggable cooling system, Power Supplies, Hot-swap drives
3. Redundant (1+1) 1400W Gold Level power supply with PMBus function
4. Maximum 3.5" hot-swap drives density 36x (24 front + 12 rear) HDD bays E16: Expander supports SAS2 (6Gb/s)
5. 4x Full-height + 3x Low-profile (UIO) expansion slots
6. 7x 8cm (middle) Hot-swap cooling fans, redundant cooling

### 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-847E16-R1400UB ■ SuperChassis 847E16-R1400UB (Black)

#### Form Factor

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

#### Processor Support

Supports dual, single Intel® / AMD processors

#### Dimensions

- Height ■ 7" (178mm)
- Width ■ 17.2" (437mm)
- Depth ■ 27.5" (699mm)
- Gross Weight ■ 80 lbs (36.3 kg)
- Available Colors ■ Black

#### Expansion Slots

4x Full-height + 3x Low-profile (UIO) expansion slots

#### Drive Bays

- Server Chassis ■ 36x (24 front + 12 rear) 3.5" Hot-swap HDD bays
- SAS or enterprise SATA HDD only recommended

#### Backplane

HDD Backplane supports 36 SAS hard drives (24x front + 12 rear)

#### System Cooling

- Fans ■ 7x 8cm hot-swap cooling fans
- Redundant cooling

#### 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

1400W high-efficiency (1+1) redundant power supply with PMBus

- AC Input ■ 1100W Output @ 100-140V, 13.5-9.5A, 50-60Hz
- 1400W Output @ 180-240V, 9.5-7.0A, 50-60Hz
- DC Output ■ 1100W: +12V/92A; +5Vsb/4A
- 1400W: +12V/116A; +5Vsb/4A
- With Distributor ■ +5V: 30 Amp
- +3.3V: 24 Amp
- -12V: 0.6 Amp

## Front Panel

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

## Certification



**80 PLUS Gold Certified**  
[ [Test Report](#) ]

## Regulatory (Power Supply)


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

### Standard Parts List

	Part Number	Qty	Description
<b>Chassis</b>	CSE-847E16-R1400UB	1	4U Chassis ( <b>Black</b> ) - 847E16-R1400UB
<b>Backplane</b>	BPN-SAS2-846EL1	1	Backplane supports upto 24 SAS/SATA
<b>Backplane</b>	BPN-SAS2-826EL1	1	826 backplane with single LSI SAS2X28 expander chip
<b>Power Supply</b>	PWS-1K41P-1R	2	1400W 1U GOLD LEVEL PWS W/ PM BUS & WX3"
<b>Power Distributor</b>	PDB-PT847-8820	1	SC847 U ver. 20pin w/7rails F HDD cables
<b>Air Shroud</b>	MCP-310-84701-0N	1	SC847 Intel X8, X7 PC air shroud
<b>Cable 1</b>	CBL-0088L	7	10.5", 4 PIN MIDDLE FAN POWER EXTENSION (PWM)
<b>Cable 2</b>	CBL-0160L	2	US power cord 16AWG 6ft, PBF (default for high watt)
<b>Cable 3</b>	CBL-0217L	1	16pin control panel converter cable for SC826,846, 22cm, PBF
<b>Cable 4</b>	CBL-0087	1	Front ctrl cable ROUND 16 TO 16 PIN RIBBON 20"( 50cm)
<b>Fan 1</b>	FAN-0099L4	7	80X38MM 4PIN PWM FAN W/HUS FOR SC828, PBF
<b>Front Panel</b>	MCP-280-82601-0N	1	Front control board adapter (TB826) for SC216,826,936,846
<b>Drive Tray(s)</b>	MCP-220-00024-0B	36	Black gen 5 hot-swap 3.5" HDD tray (w/ plastic rails)
<b>Mounting Rails</b>	MCP-290-00057-0N	1 set	Rail set, quick/quick, default for 4U 17.2"W
<b>Rear Window</b>	MCP-240-82503-0N	1	UIO Rear Window for SC825,825M,826,213,216
<b>Retention Bracket</b>	MCP-120-00011-00	1	UIO riser card bracket for SC825(A5-),826(A3-),825M,213,216

### Optional Parts List

	Part Number	Qty	Description
<b>Heatsink / Retention</b>	-	-	Please refer to our <a href="#">Thermal Components Matrix</a>
<b>Cable(s)</b>	CBL-0166L	-	SAS 826EL2/EL1 BP External Cascading Cable
	CBL-0351L	-	85CM 1-PORT EXT IPASS TO INT IPASS LP
	CBL-0352L	-	85CM 2-PORT ETX IPASS TO INT IPASS LP
<b>Cable(s)</b>	CBL-0108L-02	-	SFF 8087 to SFF 8087 Internal Backplane Cable, 39cm
	CBL-0281L	-	SFF 8087 to SFF 8087 Internal Backplane Cable, 75cm
<b>Drive Trays</b>	MCP-220-84701-0N	-	Internal drive bay for one 3.5" HDD or two 2.5" HDD
	MCP-220-00043-0N	-	3.5" convert to 2.5" hot-swap HDD Tray
<b>Mounting Rails</b>	MCP-290-00058-0N	-	19" to 26.6" rail set, Quick Release, Tool-less
	MCP-290-00060-0N	-	Square hole to round hole rail adaptor set
<b>Front Bezel</b> ( <a href="#">Compatibility Table</a> )	MCP-210-84601-0B	-	 Front Bezel Cover, Black with Key Lock
<b>JBOD Kit - Used for cascading purposes</b>	CSE-PTJBOD-CB1	-	Power Control Card
	CBL-0166L	-	SAS 826EL2/EL1 BP External Cascading Cable
	CBL-0167L	-	SAS 826EL1 BP 1-Port Internal Cascading Cable
	MCP-260-00011-0N	-	I/O shield without any opening
<b>RAID cards</b>	AOC-USAS-H4iR	-	4 int/4 ext ports, supports 240 HDDs
	AOC-USASLP-H8iR	-	8 int ports, supports 240 HDDs
<b>HBA cards</b>	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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