



SuperChassis 836E16R1200B

Products Chassis 3U [SC836E16-R1200B]


Top View



Air Shroud View



Rear View



Available Color

Black

Key Features

- High Performance SAS2/6GbS Expander
- High Efficiency PS and Storage Capacity

1. 1200W high-efficiency (1+1) redundant power supply (Gold Level 93%)
2. 16x 3.5" Hot-swappable SAS / SATA Drive Bays
3. 1 x Slim DVDROM Drive (optional)
4. 6Gb/s SAS2 Expander
5. Mini-Pass (SFF 8087) connectivity
6. 3x 8cm Hot-swap 4-pin PWM Fans
7. 2x 8cm Rear-exhaust 4-pin PWM Fans
8. Palletized package for secure transportation
9. Optional 3x slim 2.5" Internal Fixed HDI

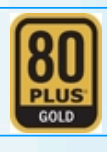
Downloads

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-836E16-R1200B	SuperChassis 836E16R1200B (Black)
Form Factor	
3U chassis support for max. motherboard size - 13.68" x 13", E-ATX and ATX	
Processor Support	
Supports dual, single Intel® / AMD processors	
Dimensions	
Height	5.2" (132mm)
Width	17.2" (437mm)
Depth	25.5" (648mm)
Gross Weight	72 lbs (32.7kg)
Available Color	Black
Expansion Slots	
• 7x full-height full-length expansion slots	
Drive Bays	
Hot-swap	16x 3.5" SAS / SATA Hot-swap drive trays SAS or enterprise SATA HDD only recommended
Backplane	
SAS2 Expander Backplane, features: • Scalability through cascading • 6Gb SAS2/SATA3 HDD support • Inband SES2 Enclosure Management • Single input/output SFF 8087 connectors	
Peripheral Drives	
DVD-ROM	Slim DVDROM Drive (Optional)
Floppy	Slim 1.44MB Floppy Drive (Optional)
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
Ports	2x USB Ports & DB9 COM Port

System Cooling	
Fans	• 3x 80mm Hotswap 4-pin PWM Fans • 2x 80mm Rear-exhaust 4-pin PWM Fans
System Monitoring	
Chassis intrusion switch	
Operating Environment (System)	
Operating Temperature Range	• 10 - 35°C (50° - 95°F)
Non-Operating Temperature Range	• -40 - 70°C (-40° - 158°F)
Humidity Range*	8 - 90% non-condensing
Non-Operating Humidity Range	• 5 - 95% non-condensing
Power Supply	
Redundant 1200W highefficiency power supply with PMBus	
AC Input	• 1000W Output @ 100-140V, 11.5-8A, 50-60Hz • 1200W Output @ 180-240V, 8-5.5A, 50-60Hz
DC Output	• 1000W: +12V/83A; +5Vsb/4A • 1200W: +12V/100A; +5Vsb/4A
DC Output with PDB	• +5V: 50 Amp • +3.3V: 30 Amp • -12V: 0.6 Amp
Certification	 80 PLUS Gold Certified [Test Report]
Regulatory (Power Supply)	
Power Supply Safety / EMC	<ul style="list-style-type: none"> • USA - UL listed • Canada - CUL listed • Germany - TUV Certified • EN 60950/IEC 60950 Compliant • CB Report • CCC Certification

Components

Standard Parts List			
	Part Number	Qty	Description
Chassis	CSE-836TS-R1200BP	1	3U Chassis (Black)
	MCP420-83601-0N	1	Chassis Accessory Box
Backplane	BPNSAS2-836EL1	1	836 backplane with single LSI SAS2X28 expander chip
Cable(s)	CBL-0087	1	20" 16-pin to 16-pin Round Ribbon Cable
Chassis Accessory Box	MCP420-83601-0N	1	Accessory Box for SC836 with two power cords, NO FDD acc.
Drive Tray(s)	NCP220-00024-0B	16	Black hot-swappable 3.5" drive trays
	MCP220-00007-01	1	Black USB/COM port tray for SC825 & SC836
Fan(s)	FAN-0062L4	2	8cm 4-pin Rear PWM Fan (with Housing)
	FAN-0094L4	3	8cm 4-pin Hot-swap PWM Fan
Front Panel	MCP280-00012-00	1	Front control board (FP836) for SC823M, 825, 825M, 828, 835, 836
Mounting Rails	MCP290-00053-0N	1	26.5" to 36.4" rail set, quick/quick, default for 2U, 3U 17.2" W chassis
Part	MCP290-83601-0V	1	Silver chassis handle for SC836
Peripheral Drives	MCP290-00007-01	1	Black DVD dummy cover for SC825, 836
	MCP290-00015-01	1	Black FDD dummy cover for SC836
Power	PWS-1K21P-1R	2	1200W Gold-Level power supply with PMBus
	PDBPT825-8824	1	24-pin x8 power distributor
Rail Adaptor	MCP290-00060-0N	1	Square hole to round hole rail adaptor set
Air Shroud	MCP310-38001-0N	1	SC835/836/936 Intel DP X8.X7 PC Air Shroud
Palletized Package	MCP430-83601-0N	1	Storage chassis palletized shipping box for SC836,936

Optional Parts List			
	Part Number	Qty	Description
Cable	CBL-0084	-	Split Front Panel Cable
	CBL-0157L	-	8-pin to 8-pin Ribbon Cable for SGPIO (For Additional Drives)
Cable (2.5" OS drive)	CBL-0044L	-	61cm, SATA S-S
	CBL-0082L	-	Y Split SATA Power Adapter
	CBL-0296L	-	4-pin fan extension cord, 9" length
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 Management Arm	MCP290-00073-0N	-	Supermicro Cable Management Arm for 2U, 3U and 4U chassis (Extendable Length: 70mm to 830mm)
Heatsink / Retention	-	-	Please refer to our Thermal Components Matrix
Mounting Rails	MCP290-00058-0N	-	19" to 26.6" rail set, quick/quick, optional for 2U, 3U 17.2" W chassis
Peripheral Drives	FPD-TEAC-SB	-	Black slim TEAC floppy drive
	CSEPT91L	-	Slim Floppy Drive Kit
	MCP220-81502-0N	-	Slim SATA DVD kit (including cable, backplane)
	MCP290-00015-01	-	Black FDD dummy cover
	MCP290-00007-01	-	Black DVD-ROM drive dummy cover
	MCP220-00043-0N	-	3.5" convert to 2.5" HDD Tray
Peripheral Drives	DVM-TEAC-824B	-	Black slim IDE DVD (8x DVD, 24x CDR), TEAC
	DVM-PNSG824B	-	Black slim IDE DVD (8x DVD, 24x CDR), Panasonic
	DVM-TEAC-DVD-SBT1	-	Black slim SATA DVD (8x DVD, 24x CDR), TEAC
	DVM-PNSGDVD-SBT1	-	Black slim SATA DVD (8x DVD, 24x CDR), Panasonic
	CSE-PT92L	-	Slim IDE DVD kit (include backplane, cable)
	MCP220-81502-0N	-	Slim SATA DVD kit (include backplane, cable)
Trays	MCP220-83601-0B	-	Black FDD dummy tray, supports 1x 2.5" slim HDD (9.6mm thick)
	MCP290-00036-0B	-	Black DVD dummy tray, supports 1x 2.5" slim HDD (9.6mm thick)
	MCP220-00023-01	-	Black USB dummy tray, supports 1x 2.5" slim HDD (9.6mm thick)
JBOD Kit- Used for cascading purposes	CSE-PTJBODCB2	-	Power Control Card for JBOD
	CBL-0166L	-	SAS BP External Cascading Cable
	CBL-0102L	-	12C CABLE FOR SATA LED, 51CM, LF
	CBL-0351	-	Full Height Bracket. 85CM 4PORT EXT IPASS TO INT IPASS
	CBL-0352	-	Full Height Bracket. 85CM 2PORT EXT IPASS TO INT IPASS
RAID cards	MCP260-00011-0N	-	I/O shield without any opening
	AOC-SAS2LP-H4iR	-	4 int/4 ext ports, supports 240 HDDs
	AOC-SAS2LP-H8iR	-	8 int ports, supports 240 HDDs
	AOC-USAS2LP-H8iR	-	8 int ports, supports 240 HDDs
	AOC-USAS2-L8i	-	8 int ports, supports 122 HDDs
HBA cards	AOC-USAS2-L8e	-	4 int/4 ext ports, supports 63 HDDs
	MCP210-83601-0B	-	Front Bezel Cover, Black (optional)

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