

SuperChassis 936E1-R710B

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Top View



Air Shroud View



Rear View



Available Colors

Black

Key Features

1. High Scalability (up to 122 drives)
2. 1+1 710W DC-DC High-efficiency (85%+) Redundant Power Supply
3. 16x Hot-swap SAS/SATA Drive Bays
4. 7x Full-height, Full-length expansion slots
5. 100% Cooling Redundancy
6. Adjustable Air Shroud Design
7. Designed for Mission critical Applications

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

CSE-936E1-R710B ■ SuperChassis 936E1-R710B (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	■ 75 lbs (34.02 kg)
Available Colors	■ Black

Expansion Slots

7x PCI expansion slots

Drive Bays

Hot-swap	■ 16x Hot-swap 3.5" Drive Bays ■ SAS or enterprise SATA HDD only recommended
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Backplane

- 3U 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	■ Power On/Off button ■ System Reset button ■ Alarm Mute Switch
LEDs	■ Power LED ■ Hard Drive Activity LED ■ 2x Network Activity LED ■ System Overheat LED ■ Power Fail LED

System Cooling

Fans	■ 3x 8cm Hot-swap PWM Fans ■ 2x 8cm Rear Exhaust PWM Fans
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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)

-48Vdc Input Redundant Power Supplies

710W 1U Redundant Power Supplies with SMBus

Total Output Power	■ 710W
Dimension (W x H x L)	■ 76 x 40 x 360 mm
DC Input	■ -36Vdc to -75Vdc / 24A - 11A
+12V	■ Max: 59A / Min: 0.5A
+5V sb	■ Max: 4A / Min: 0A
Output Type	■ 19 Pairs Gold Finger Connector
Certification	■ UL/cUL/CB/TUV/CCC/CE

Regulatory (Power Supply)

Power Supply Safety / EMC	■ USA - UL listed ■ Canada - CUL listed ■ Germany - TUV Certified ■ EN 60950/IEC 60950-Compliant ■ CCC Certified ■ CB Report Ready
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Components

Standard Parts List

	Part Number	Qty	Description
Chassis	CSE-936E1-R710B	1	3U Black Chassis

Backplane	BPN-SAS-936EL 1	1	3U SAS / SATA Expander Backplane with single LSI SASX28 Expander Chip
Cables	CBL-0087	1	20" 16-pin to 16-pin Ribbon Cable
	CBL-0217L	1	16-pin Control Panel Converter Cable
Drive Bays	MCP-220-97301-0B	16	Hot-swappable Black 3.5" Hard Drive Tray
Fan(s)	FAN-0062L4	2	80x32mm Rear Exhaust PWM Fan
	FAN-0094L4	3	80x38mm Hot-swap PWM Cooling Fan
Mounting Rails	MCP-290-00053-0N	1	26.5" to 36.4" rail set
Power	PWS-711-1R	2	710W Power Modules
	PDB-PT825-8824	1	Power Distributor
Air Shroud	MCP-310-38001-0N	1	SC835/836/936 Intel DP X8.X7 PC Air Shroud [Manual]

Optional Parts List			
	Part Number	Qty	Description
Heatsink / Retention	-	-	Please refer to our Thermal Components Matrix
Cable(s)	CBL-0167L	-	SAS 936EL1 BP 1-Port Internal Cascading Cable
	CBL-0168L	-	SAS 936EL2 BP 2-Port Internal Cascading Cable
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
JBOD Kit - Used for cascading purposes	CSE-PTJBOD-CB2	-	Power Control Card for JBOD
	CBL-0166L	-	SAS BP External Cascading Cable
	CBL-0102L	-	ŦC CABLE FOR SATA LED, 51CM, LF
	CBL-0351L	-	Full Height Bracket. 85CM 1-PORT EXT IPASS TO INT IPASS
	CBL-0352L	-	85CM 2-PORT ETX IPASS TO INT IPASS FH
	MCP-260-00011-0N	-	I/O shield without any opening
Cable Management Arm	MCP-290-00073-0N	-	Supermicro Cable Management Arm for 2U, 3U and 4U chassis (Extendable Length: 70mm to 830mm)
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