

# SuperChassis 847BE1C-R1K28LPB

---



▶ [Chassis Manual](#)  
▶ [Optimization](#)

## Key Features

---

1. 4U Chassis for motherboard support size: (12" x 10") (13.68" x 13") (9.6" x 9.6")
  2. 36 x 3.5" hot-swap SAS/SATA drive bay with SES3, optional 2 x 2.5" hot-swap drive bay
  3. 12-port 2U SAS3 12Gbps single-expander backplane, support up to 12x 3.5-inch SAS3/SATA3 HDD/SSD
  4. 24-port 4U SAS3 12Gbps single-expander backplane, support up to 24x 3.5-inch SAS3/SATA3 HDD/SSD
  5. 1U 1280W Redundant Platinum 95%+ Super Quiet Power Supply with PMbus
  6. 7 low-profile expansion slot(s)
  7. 7 x 8cm (7000 RPM) hot-swap PWM cooling fan(s)
- 

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

# Specifications

## Product SKUs

- **CSE-847BE1C-R1K28LPB** ■ SuperChassis 847BE1C-R1K28LPB

## Form Factor

- 4U Chassis for motherboard support size: (12" x 10") (13.68" x 13") (9.6" x 9.6")

## Processor Support

- Single and Dual Intel® and AMD processors

## Dimensions

- **Height** ■ 7" (178 mm)
- **Width** ■ 17.2" (437 mm)
- **Depth** ■ 27.5" (699 mm)
- **Gross Weight** ■ 91 lbs (41.28 kg)
- **Packaging (W x H x L)** ■ 27.2" (691 mm) x 17.4" (442 mm) x 39.6" (1006 mm)
- **Available Color** ■ Black

## Expansion Slots

- 7 low-profile expansion slot(s)

## Drive Bays

- 36 x 3.5" hot-sw ap SAS/SATA drive bay with SES3
- Optional 2 x 2.5" hot-sw ap drive bay

## Backplane

- 12-port 2U SAS3 12Gbps single-expander backplane, support up to 12x 3.5-inch SAS3/SATA3 HDD/SSD
- 24-port 4U SAS3 12Gbps single-expander backplane, support up to 24x 3.5-inch SAS3/SATA3 HDD/SSD

## Peripheral Drives

- Optional 2 x 3.5" internal fixed drive bay
- Optional 4 x 2.5" internal fixed drive bay

## Front Panel

- **Buttons** ■ Power On/Off button  
■ System Reset Button
- **LEDs** ■ 2 Network Activity LEDs  
■ Fan Fail/System Over Heat LED  
■ HDD activity LED  
■ Power Status LED  
■ Unit Identification (UID) LED

## Systems Cooling

- **Fans** ■ 7 x 8cm (7000 RPM) hot-sw ap PWM cooling fan(s)

## 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 - 70°C (-40°F - 158°F)
- **Operating Relative Humidity Range** ■ 8% - 90% (non-condensing)
- **Non-Operating Relative Humidity Range** ■ 5% - 95% (non-condensing)

## Power Supply

1U 1280W Redundant Platinum 95%+ Super Quiet Power Supply with PMbus

- **Power Efficiency** ■ 95%
- **Total Output Power and Input** ■ 1000W with Input 100 - 140Vac  
■ 1280W with Input 180 - 240Vac
- **AC Input Frequency** ■ 50-60Hz
- **Dimensions (L x W x H)** ■ 336 x 76 x 40 mm
- **Output Type** ■ Backplanes (gold finger)
- **-12V** ■ Max: NAA
- **+12V** ■ Max: 83A / Min: 0.5A (100Vac - 140Vac)  
■ Max: 106.7A / Min: 0.5A (180Vac - 240Vac)
- **+5Vsb** ■ Max: 4A / Min: 0A
- **+12Vsb** ■ Max: NAA
- **Power Distributor** ■ PDB-PT847-8824  
■ O/P: 12V/135  
■ +5V Max: 100  
■ +3.3V Max: 30  
■ -12V Max: 0.6

## Certification



■ Platinum Certified

## Regulatory (Power Supply)

- **Power Supply Safety / EMC** ■ BSMI  
■ CCC  
■ CE/EMC  
■ FCC class B  
■ TUV/CB  
■ UL/CUL

# Components

## Standard Parts List

	Part Number	Qty	Description
Air Shroud	MCP-310-49004-0N	1	SC847/417 DP X9 universal PC air shroud 1368x13/12x13MB
HD Backplane	BPN-SAS3-826EL1	1	12-port 2U SAS3 12Gbps single-expander backplane, support up to 12x 3.5-inch SAS3/SATA3 HDD/SSD
HD Backplane	BPN-SAS3-846EL1	1	24-port 4U SAS3 12Gbps single-expander backplane, support up to 24x 3.5-inch SAS3/SATA3 HDD/SSD
Cable(S)	CBL-0071L	1	CBL, FRONT CNTL, 16 TO 16 PIN, RA, RND TUBE, 75CM, 28AWG
Cable(S)	CBL-0160L	2	NEMA5-15P to C13 US power cord 16AWG 6ft, PBF (default for high watt)
Cable(S)	CBL-0217L	1	CBL, CNTL PANEL CONVERTER, FOR SC826/846, FFC, 16PIN, 22CM
Fan(s)	FAN-0126L4	7	80x80x38 mm 7K RPM Chassis Middle Fan w / Housing
Front Panel	MCP-280-82601-0N	1	Front control board adapter (TB826) for SC216, 826, 936, 846
Drive Tray(s)	MCP-220-00075-0B	36	Black gen 5.5 hot-sw ap 3.5"; HDD tray
Drive Tray(s)	MCP-220-84708-ASM	1	SC847B LP MB Tray assembly, HF, RoHS/REACH
Power Distributor	PDB-PT847-8824	1	24pin standard output with 5V high current 100Amp power distributor board for SC847
Power Supply & Accessory	PWS-1K28P-SQ	2	1U 1280W, redundant single output power supply
Mounting Rail(s)	MCP-290-00057-0N	1 set	Rail set, quick/quick, default for 4U 17.2"; W
Mounting Rail(s)	MCP-410-00007-0N	1	Rail screw bag

## Optional Parts List

	Part Number	Qty	Description
Cable	CBL-SAST-0531	-	Internal Mini-SAS HD to Mini-SAS HD 80cm, 30AWG, 12Gb/s
Cable	CBL-SAST-0532	-	Internal Mini-SAS HD to Mini-SAS HD 50cm, 30AWG, 12Gb/s
Drive Trays	MCP-220-84701-0N	-	Internal drive bay for one 3.5" HDD or two 2.5" HDD
Drive Trays	MCP-220-00043-0N	-	3.5" convert to 2.5" hot-sw ap HDD Tray
Front Bezel	MCP-210-84601-0B	-	Front Bezel Cover, Black with Key Lock
Mounting Rail	MCP-290-00058-0N	-	19" to 26.6" rail set, Quick Release, Tool-less
Mounting Rail	MCP-290-00060-0N	-	Square hole to round hole rail adaptor set
HDD Kit	MCP-220-82609-0N	-	Rear 2.5 x 2 Hot sw ap HDD kit for 216B/826B/417B/846X/847B
Drive Trays	MCP-220-00043-0N	-	Black hotsw ap gen 4 3.5 to 2.5 HDD tray
Drive Trays	MCP-220-84701-0N	-	SC847 internal drive tray for one 3.5
Cable	CBL-SAST-0531-01	-	Internal Mini-SAS HD to Mini-SAS HD 80cm, 30AWG, 12Gb/s [FCI], RoHS/REACH
Cable	CBL-SAST-0532	-	Internal Mini-SAS HD to Mini-SAS HD 50cm, 30AWG, 12Gb/s, HF, RoHS/REACH, PBF
Front Bezel	MCP-210-84601-0B	-	Black Front Bezel For SC846 Chassis
Rail	MCP-290-00058-0N	-	Short rail set, quick release, 19.6"~26.9" Extendable Length
Rail	MCP-290-00061-0N	-	Non-threaded rail adapter optional for round thread rack
HDD Kit	MCP-220-82616-0N	-	12G 2.5x2 Drive Kit w / Status LED (216B/826B/417B/846X/847B)

## Motherboard (for CSE-847BE1C-R1K28LPB)

X9DR3-F

X9DRH-iF

X9DRD-7LN4F

X9DBi-F

X10DRC-T4+

X10DRI-T

X10DRH-C

X9DRI-E

X9DRH-iTE

X9DB3-TPF

X9DRH-iF-NV

X10DRC-LN4+

X10DRH-I

X10DRH-iLN

X9DRH-7F

X9DRD-7LN4F-JBOD

X9DB3-F

X10DRI-LN4+

X10DRI

X10DRH-iT

● X10DRH-CLN4

X9DRH-7TE

X9DRD-EF

X9DBi-TPF

X10DRI-T4+

X10SRH-CLN4F

X10DRH-CT

● = Most optimized Chassis for SuperServer Configuration

Blue color = Compatible

Green color = Global SKU & Compatible

Red dot & green color = Optimized + Global SKU

Servers (for CSE- 847BE1C-R1K28LPB)

6047R-E1CR36L

5048R-E1CR36L

6047R-E1CR36N

6048R-E1CR36H

6048R-E1CR36L

6048R-E1CR36N