

SuperChassis 847BE1C4-R1K23LPB



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

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



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 8x 3.5-inch SAS3/SATA3 HDD/SSD and 4x NVMe/SAS3/SATA3 storage devices
 4. 24-port 4U SAS3 12Gbps single-expander backplane, support up to 24x 3.5-inch SAS3/SATA3 HDD/SSD
 5. 1U 1200W/1000W Titanium Power Supply W/PMbus W76xL336xH40mm
 6. 7 low-profile expansion slot(s)
 7. 7 x 80mm high-performance fan(s)
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Specifications

Product SKUs

- **CSE-847BE1C4-R1K23LPB** ■ SuperChassis 847BE1C4-R1K23LPB

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 8x 3.5-inch SAS3/SATA3 HDD/SSD and 4x NVMe/SAS3/SATA3 storage devices
- 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 80mm high-performance 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 1200W/1000W Titanium Power Supply W/PMBus W76xL336xH40mm

- **Power Efficiency** ■ 96%
- **Total Output Power and Input** ■ 1000W with Input 100 - 127Vac
■ 1200W with Input 200 - 240Vac
■ 1200W with Input 200 - 240Vdc
- **AC Input Frequency** ■ 50-60Hz
- **Dimensions (L x W x H)** ■ 336 x 76 x 40 mm
- **Output Type** ■ Backplanes (gold finger)
- **+12V** ■ Max: 83A (100Vac - 127Vac)
■ Max: 100A (200Vac - 240Vac)
■ Max: 100A (200 - 240)
- **+5Vsb** ■ Max: 4A / Min: 0A
- **Power Distributor** ■ PDB-PT847-8824
■ O/P: 12V/135
■ +5V Max: 100
■ +3.3V Max: 30
■ -12V Max: 0.6

Certification



■ Titanium Certified

Regulatory (Power Supply)

- **Power Supply Safety / EMC** ■ BSMI
■ CCC
■ CE/EMC
■ FCC class A
■ UL/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-N4	1	12-port 2U SAS3 12Gbps single-expander backplane, support up to 8x 3.5-inch SAS3/SATA3 HDD/SSD and 4x NVMe/SAS3/SATA3 storage devices
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-0158L4	7	80x80x38 mm, 10.5K RPM, Optional Middle Cooling Fan for X10 2U Ultra and HFT Series Servers,RoHS/REACH
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-1K23A-1R	2	AC-DC 1200W, Titanium Level, Redundancy, 1U, PMBUS 1.2, +12V/+5Vsb, 360x76x40 mm,HF,RoHS/REACH
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
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 [FC],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- 847BE1C4-R1K23LPB)

X11SPH-nCTE

X11SPH-nCTPF

X11DPH-T

X11DPH-I

X11DPH-TQ

● = Most optimized Chassis for SuperServer Configuration

Blue color = Compatible

Green color = Global SKU & Compatible

Red dot & green color = Optimized + Global SKU

Servers (for CSE- 847BE1C4-R1K23LPB)