

SuperChassis 847BE1C4-R1K23LPB



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 Backplane with Expander support up to 8 x 3.5" SAS3/SATA3 HDD/SDD and 4 x SAS3/SATA3/NVMe Storage Devices, HF, RoHS/REACH
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)

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

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

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-swap SAS/SATA drive bay with SES3
- Optional 2 x 2.5" hot-swap drive bay

Backplane

- 12-Port 2U Backplane with Expander support up to 8 x 3.5" SAS3/SATA3 HDD/SDD and 4 x SAS3/SATA3/NVMe Storage Devices, HF, RoHS/REACH
- 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
HD Backplane	BPN-SAS3-826EL1-N4	1	12-Port 2U Backplane with Expander support up to 8 x 3.5" SAS3/SATA3 HDD/SDD and 4 x SAS3/SATA3/NVMe Storage Devices, HF, RoHS/REACH
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
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, 336x76x40 mm, HF, RoHS/REACH

Optional Parts List

	Part Number	Qty	Description
HDD Kit	MCP-220-82609-0N	-	Rear 2.5 x 2 Hot swap HDD kit for 216B/826B/417B/846X/847B
Drive Trays	MCP-220-00043-0N	-	Black hotswap 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- 847BE1C4-R1K23LPB)

X11SPH-nCTF

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)

5049P-E1CTR36L