

SuperChassis 846BE1C-R1K23B



▶ **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. Optimized chassis cooling with redundant cooling fans and adjustable air shroud
 2. 24x 3.5" hot-swap SAS/SATA drive bays supporting SAS3/2 or SATA3 HDDs with 12Gbps throughput
 3. Redundant 1200W Titanium Level power supply
 4. E1C: Single SAS3 (12Gbps) expander backplane
 5. Mini SAS HD (SFF 8643) connectivity on backplane
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Specifications

Product SKUs

- CSE-846BE1C-R1K23B
- SuperChassis 846BE1C-R1K23B

Form Factor

- 4U chassis support for max. motherboard size - EE-ATX (13.68" x 13"), E-ATX (12" x 13"), ATX (12" x 10")

Processor Support

- Single and Dual Intel® and AMD processors

Dimensions

- Height 7" (178 mm)
- Width 17.2" (437 mm)
- Depth 26" (660 mm)
- Gross Weight 75 lbs (34.02 kg)
- Packaging (W x H x L) 34.3" (871 mm) x 26.5" (673 mm) x 13.5" (343 mm)
- Available Color Black

Expansion Slots

- 7 full-height & full-length expansion slot(s)

Drive Bays

- 24 x 3.5" hot-sw ap drive bay

Backplane

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

Peripheral Drives

- Optional 2 x 2.5" hot-sw ap drive bay
- Optional 1 x 3.5" internal fixed drive bay
- Optional 2 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
 - 3 x 8cm hot-sw ap redundant PWM cooling fan(s)
 - 2 x 80mm rear hot-sw ap exhaust PWM 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-PT846-2824
- 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-310-49003-0N	1	SC846 Intel DP X9, X8 PC air shroud 1368x13/12x13MB
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
Cable(S)	CBL-0234L	1	4-PIN POWER SUPPLY Y-CABLE FOR HDD, 15CM, 20AWG
Fan(s)	FAN-0125L4	2	80x32 mm 6.7K RPM SC836 Rear Exhaust Fan w / Housing
Fan(s)	FAN-0185L4	3	80x80x38 mm, 10.5K RPM, Hot-swappable Middle Cooling Fan for X11 Generation SC846B Chassis
Front Panel	MCP-280-82601-0N	1	Front control board adapter (TB826) for SC216,826,936,846
Drive Tray(s)	MCP-220-00075-0B	24	Black gen 5.5 hot-swappable 3.5"; HDD tray
Power Distributor	PDB-PT846-2824	1	PDB with 23pairs input connector support SC846B
Power Supply & Accessory	PWS-1K23A-1R	2	AC-DC 1200W, Titanium Level, Redundancy, 1U, PMBUS 1.2, +12V/+5Vsb, 360x76x40 mm,HF,RoHS/REACH
Power Supply & Accessory	MCP-290-84604-0N	1	SC846 PDB Cover
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
Rear Window	MCP-240-84602-0N	1	846B rear window which support 2 X 2.5"; HDD module and DVD

Optional Parts List

	Part Number	Qty	Description
Drive Trays	MCP-220-84601-0N	-	Single 3.5" Fixed HDD Tray (RA cables required)
Short Rail	MCP-290-00058-0N	-	19" to 26.6" rail set, Quick Release, Tool-less (for rev. K4 or later)
DVD-ROM / DVD-RW	MCP-220-84607-0N	-	Optional DVD kit for SC846BA/E16/E26 chassis only
HDD Tray Converter	MCP-220-00118-0B	-	Black gen-5.5 tool-less 3.5-to-2.5 converter drive tray,RoHS/REACH
HDD Kit	MCP-220-84610-0N	-	2G 2.5-inch x2 Drive Kit w / Status LED for 846B

Motherboard (for CSE- 846BE1C-R1K23B)

X11SPH-nCTE

H11DSI-NT

X11SPH-nCTPE

X11DPH-T

X11DPH-I

X11DPH-TQ

H11DSi

H11SSL-NC

H11SSL-C

H11SSL-i

● = Most optimized Chassis for SuperServer Configuration

Blue color = Compatible

Green color = Global SKU & Compatible

Red dot & green color = Optimized + Global SKU

Servers (for CSE- 846BE1C-R1K23B)

6049P-E1CR24L

6049P-E1CR24H