

SuperChassis 846BE1C-R1K23B



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

▶ [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-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-swap 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-swap 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-swap redundant PWM cooling fan(s) ■ 2 x 80mm rear hot-swap 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 ■ O/P: 12V/135 ■ +5V Max: 50 ■ +3.3V Max: 24 ■ -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-310-49003-0N	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	ROUND 16 TO 16 PIN RIBBON FP CABLE 30"L, LF
Cable(S)	CBL-0160L	2	US POWER CORD 16AWG, PB FREE
Cable(S)	CBL-0217L	1	16PIN CNTL PANEL CONVERTER CBL FOR SC826,PBF
Cable(S)	CBL-0234L	1	Y CABLE FOR 4-PIN HDD
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-swap 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 SC846B series chassis
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)

<u>X11SPH-nCTF</u>	<u>H11DSI-NT</u>	<u>X11SPH-nCTPF</u>	<u>X11DPH-T</u>
<u>X11DPH-I</u>	<u>X11DPH-TQ</u>	<u>H11DSi</u>	<u>H11SSL-NC</u>
<u>H11SSL-C</u>	<u>H11SSL-i</u>		

 = 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)

<u>6049P-E1CR24L</u>	<u>6049P-E1CR24H</u>
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