

SuperChassis 836BE1C-R1K23B



Key Features

- 1. 3U chassis - supports for maximum motherboard sizes: 13.68" x 13" E-ATX and ATX
- 2. 16 x 3.5" hot-swap SAS/SATA drive bay with SES2, optional 2 x 2.5" hot-swap drive bay
- 3. 16-port 3U SAS3 12Gbps single-expander backplane, support up to 16x 3.5-inch SAS3/SATA3 HDD/SSD
- 4. 1U 1200W/1000W Titanium Power Supply W/PMbus W76xL336xH40mm
- 5. 7 full-height & full-length expansion slot(s)
- 6. 3 x 8cm hot-swap redundant PWM cooling fan(s)
- 7. 2 x 8cm hot-swap exhaust fan(s) & air shroud

- ▶ [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-836BE1C-R1K23B	■ SuperChassis 836BE1C-R1K23B
Form Factor	
■ 3U chassis - supports for maximum motherboard sizes: 13.68" x 13" E-ATX and ATX	
Processor Support	
■ Dual and Single Intel® and AMD processors	
Dimensions	
Height	■ 5.2" (132 mm)
Width	■ 17.2" (437 mm)
Depth	■ 25.5" (647 mm)
Gross Weight	■ 72 lbs (32.66 kg)
Packaging (W x H x L)	■ 26.6" (676 mm) x 13" (330 mm) x 39.9" (1013 mm)
Available Color	■ Black
Expansion Slots	
■ 7 full-height & full-length expansion slot(s)	
Drive Bays	
■ 16 x 3.5" hot-swap SAS/SATA drive bay with SES2 ■ Optional 2 x 2.5" hot-swap drive bay	
Backplane	
■ 16-port 3U SAS3 12Gbps single-expander backplane, support up to 16x 3.5-inch SAS3/SATA3 HDD/SSD	
Front Panel	
Buttons	■ Power On/Off button ■ System Reset Button
LEDs	■ 2 Network Activity LEDs ■ HDD activity LED ■ Power Status LED ■ Power Fail LED ■ System Information LED
Systems Cooling	
Fans	■ 3 x 8cm hot-swap redundant PWM cooling fan(s) ■ 2 x 8cm hot-swap exhaust fan(s) & air shroud
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-PT826-8824 ■ O/P: 12V/135 ■ +5V Max: 40 ■ +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-310-39001-0N	1	SC835/836/936 Intel DP X9-X10 PC air shroud 1368x13/12x13MB
HD Backplane	BPN-SAS3-836EL1	1	16-port 3U SAS3 12Gbps single-expander backplane, support up to 16x 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-0088L	1	10.5" 4PIN FAN POWER CORD FOR 743X-645,PBF
CD-ROM & Accessory	MCP-290-00007-01	1	Black DVD dummy cover for SC825, 836
Fan(s)	FAN-0125L4	2	80x32 mm 6.7K RPM SC836 Rear Exhaust Fan w/ Housing
Fan(s)	FAN-0158L4	3	80x80x38 mm, 10.5K RPM, Optional Middle Cooling Fan for X10 2U Ultra and HFT Series Servers,RoHS/REACH
Drive Tray(s)	MCP-220-00023-01	1	Black USB dummy tray support 1x 2.5" slim HDD for SC825, 836
Drive Tray(s)	MCP-220-00075-0B	16	Black gen 5.5 hot-swap 3.5" HDD tray
Power Distributor	PDB-PT826-8824	1	PDB with longer 24pin for SC826B
Part(s)	MCP-290-83601-0V	1 set	Silver chassis handles (left and right) for SC836/835
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-290-00053-0N	1	Rail set, quick/quick, default for 2,3U 17.2";W
Mounting Rail(s)	MCP-410-00007-0N	1	Rail screw bag
Rear Window	MCP-240-83605-0N	1	836B chassis rear window (to support the optional MCP-220-83605-0N)

Optional Parts List

	Part Number	Qty	Description
Rail	MCP-290-00058-0N	-	Quick-release outer rail for square hole short-depth rack (19"~26.4")
Fan Kit	MCP-320-82903-0N	-	Redundant fan kit (including fans)
Hot-swap Capable Drive Kit	MCP-220-83605-0N	-	Rear 2 X 2.5 Hot swap HDD kit for 836B/835B
Hot-swap Capable Drive Kit	MCP-220-83608-0N	-	2.5x2 Hot-swap HDD kit w/ fail LED for 836B(H)/835B
Hot-swap Capable Drive Kit	MCP-220-81504-0N	-	2.5-in hot-swap slim floppy size drive kit with fail LED
Hot-swap Capable Drive Kit	MCP-220-81506-0N	-	2.5-in hot-swap slim DVD size drive kit with fail LED
DVD-ROM / DVD-RW	DVM-TEAC-DVD-SBT3	-	BLACK TEAC SLIM DVD ROM SATA DRIVE ROHS,HF,RoHS/REACH,PBF
DVD-ROM / DVD-RW	DVM-PNSC-DVD-SBT3	-	BLACK PANASONIC SLIM DVD ROM SATA DRIVE,HF,RoHS/REACH
SATA DVD Kit	MCP-220-81502-0N	-	Slim SATA DVD mounting kit for SC213,219,813,815,818,819,825,828,829,836,842
HDD Tray Converter	MCP-220-00118-0B	-	Black gen-5.5 tool-less 3.5-to-2.5 converter drive tray,RoHS/REACH
Front USB	MCP-220-00007-01	-	Black USB/COM port tray for SC825, 836

Motherboard (for CSE- 836BE1C-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>	

 = Most optimized Chassis for SuperServer Configuration
Blue color = Compatible
Green color = Global SKU & Compatible
Red dot & green color = Optimized + Global SKU

Servers (for CSE- 836BE1C-R1K23B)

<u>6039P-E1CR16H</u>	<u>6039P-E1CR16L</u>
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