

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
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- ▶ [**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-sw ap SAS/SATA drive bay with SES2
- Optional 2 x 2.5" hot-sw ap 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-sw ap redundant PWM cooling fan(s)
■ 2 x 8cm hot-sw ap 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-sw ap 3.5"; HDD tray
Power Distributor	PDB-PT826-8824	1	PDB w ith 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 sw ap HDD kit for 836B/835B
Hot-swap Capable Drive Kit	MCP-220-83608-0N	-	2.5x2 Hot-sw ap HDD kit w / fail LED for 836B(H)/835B
Hot-swap Capable Drive Kit	MCP-220-81504-0N	-	2.5-in hot-sw ap slim floppy size drive kit w ith fail LED
Hot-swap Capable Drive Kit	MCP-220-81506-0N	-	2.5-in hot-sw ap slim DVD size drive kit w ith 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)

X11SPH-nCTE

H11DSI-NT

X11SPH-nCTPE

X11DPH-T

X11DPH-I

X11DPH-TQ

H11DSi

● = 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)

6039P-E1CR16H

6039P-E1CR16L