

SuperChassis 836BE1C-R1K03B



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 800/1000W Redundant Titanium Single Output Power Supply W/PMbus
 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-R1K03B**
- SuperChassis 836BE1C-R1K03B

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 800/1000W Redundant Titanium Single Output Power Supply W/PMbus

- **Power Efficiency** 96%
- **Total Output Power and Input**
 - 800W with Input 100 - 127Vac
 - 1000W with Input 200 - 240Vac
 - 1000W 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: 66.7A (100Vac - 127Vac)
 - Max: 83A (200Vac - 240Vac)
 - Max: 83A (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-0126L4	3	80x80x38 mm 7K RPM Chassis Middle Fan w/ Housing
Drive Tray(s)	MCP-220-00007-01	1	Black USB/COM port tray 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-1K03A-1R	2	1U 1000W Redundant Power Supply Titanium W/PMbus 76x40x336mm,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")
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

Motherboard (for CSE- 836BE1C-R1K03B)

X9DR3-FX9DRH-iFX9DRD-EFX9DBL-3FX9DBL-iX9DB3-TPFX9DRi-FX9DRH-iTFX9DA7X9DBL-iFX9DRD-LFX9DB3-FX9DRH-7FX9DRD-iFX9DAEX9DRD-7LN4FX9DRL-7FX9DBi-TPFX9DRH-7TFX9DRD-7LN4F-JBODX9DAiX9DBL-3X9DRL-EFX9DBi-F

<u>X10SLA-F</u>	<u>X9DRH-iF-NV</u>	<u>X10SRL-F</u>	<u>X10DRi-LN4+</u>
<u>X10DRi-T4+</u>	<u>X10DRC-T4+</u>	<u>X10DRC-LN4+</u>	<u>X10SRH-CF</u>
<u>X10SRH-CLN4F</u>	<u>X10DAX</u>	<u>X10DRL-CT</u>	<u>X10DRH-I</u>
<u>X10DRH-iT</u>	<u>X10DRH-CT</u>	<u>X10DRH-C</u>	<u>X10DRL-iT</u>
<u>X10DRL-C</u>	X10DRH-iLN	<u>X10DRH-CLN4</u>	

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