

SuperChassis 836BE2C-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 drive bay, optional 2 x 2.5" hot-swap drive bay
 3. 16-port 3U SAS3 12Gbps dual-expander backplane, support up to 16x 3.5-inch SAS3/SATA3 HDD/SSD (secondary expander port only connects to dual-port SAS devices, single-port SATA will not have this redundancy feature)
 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-836BE2C-R1K03B
- SuperChassis 836BE2C-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-sw ap drive bay
- Optional 2 x 2.5" hot-sw ap drive bay

Backplane

- 16-port 3U SAS3 12Gbps dual-expander backplane, support up to 16x 3.5-inch SAS3/SATA3 HDD/SSD (secondary expander port only connects to dual-port SAS devices, single-port SATA will not have this redundancy feature)

Front Panel

- Buttons
 - Pow er On/Off button
 - System Reset Button
- LEDs
 - 2 Netw ork Activity LEDs
 - HDD activity LED
 - Pow er Status LED
 - Pow er 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 800/1000W Redundant Titanium Single Output Pow er 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-SAS3-836EL2	1	16-port 3U SAS3 12Gbps dual-expander backplane, support up to 16x 3.5-inch SAS3/SATA3 HDD/SSD (secondary expander port only connects to dual-port SAS devices, single-port SATA will not have this redundancy feature)
Cable(S)	CBL-0071L	1	CBL, FRONT CNTL, 16 TO 16 PIN, RA, RND TUBE, 75CM, 28AWG
Cable(S)	CBL-0088L	1	4 PIN MIDDLE FAN POWER CABLE (PWM). 27cm, 24AWG
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-sw ap 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-220-83608-0N	-	2.5x2 Hot-sw ap HDD kit w / fail LED for 836B(H)/835B
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-220-81504-0N	-	2.5-in hot-sw ap slim floppy size drive kit with fail LED
Hot-swap Capable Drive Kit	MCP-220-81506-0N	-	2.5-in hot-sw ap 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- 836BE2C-R1K03B)

X10DRH-I

X10DRH-iLN

X10DRH-iT

● X10DRH-CLN4

X10DRH-CT

X10DRH-C

● = Most optimized Chassis for SuperServer Configuration

Blue color = Compatible

Green color = Global SKU & Compatible

Red dot & green color = Optimized + Global SKU