SuperChassis 836BE1C-R1K03B





- **Chassis Manual**
- **Optimization**

Note: Image above may show a varied configuration of optional parts. Please refer to parts list for standard parts included.

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

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	▪ 80 PLUS TITANIUM **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	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-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-F	X9DRi-F	X9DRH-7F	X9DRH-7TF
X9DRH-iF	X9DRH-iTF	X9DRD-iF	X9DRD-7LN4F-JBOD
X9DRD-EF	X9DA7	X9DAE	X9DAi
X9DBL-3F	X9DBL-iF	X9DRD-7LN4F	X9DBL-3
X9DBL-i	X9DRD-LF	X9DRL-7F	X9DRL-EF
X9DB3-TPF	X9DB3-F	X9DBi-TPF	X9DBi-F
X10SLA-F	X9DRH-iF-NV	X10SRL-F	X10DRi-LN4+
X10DRi-T4+	X10DRC-T4+	X10DRC-LN4+	X10SRH-CF
X10SRH-CLN4F	X10DAX	X10DRL-CT	X10DRH-I
X10DRH-iT	X10DRH-CT	X10DRH-C	X10DRL-iT