

# SuperChassis 836BE1C-R1K03B

[Products](#) > [Chassis](#) > [3U](#) > [ [SC836BE1C-R1K03B](#) ]



## Key Features

1. Optimized chassis cooling with redundant cooling fans and adjustable air shroud
2. 16x 3.5" hot-swap drive bays supporting SAS3/2 or SATA3 HDDs with 12Gbps throughput
3. Redundant (1+1) 1000W Titanium Level (96%) efficiency power supplies
4. E1C: Single SAS3 (12Gbps) expander backplane; E2C: Dual SAS3 (12Gbps) expanders backplane
5. Up to 20 hot-swap drives with optional slim floppy/DVD sizes and rear 2.5" drive kits



## Available Color

Black 

## Downloads

Chassis Manual 

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

## Specifications

### Product SKUs

**CSE-836BE1C-R1K03B** SuperChassis 836BE1C-R1K03B (black)

### Form Factor

3U chassis for motherboard support size of 13.68" x 13"

### Processor Support

Dual and Single Intel® and AMD processors

### Dimensions

**Width** ■ 17.2" (437mm)

**Height** ■ 5.2" (132mm)

**Depth** ■ 25.5" (647mm)

**Packaging** ■ 26.6" (W) x 13"(H) 39.9" (L)

**Gross Weight** ■ 72 lb (32.66 kg)

**Available Colors** ■ Black

### Expansion Slots

- 7 full-height & full-length expansion slot(s)

### Drive Bays

**Hot-swap** 16x 3.5" hot-swap SAS/SATA drive bay with SES2  
SAS or enterprise SATA HDD only recommended

### Backplane

BPN-SAS3-836EL1 (SAS3 12Gb/s Single Expander backplane with 16 SAS3 3.5" drive slots connected through 4 mini-SAS3 HD cable connectors)

### 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

### Motherboard (for CSE-836BE1C-R1K03B)

|                                  |                              |
|----------------------------------|------------------------------|
| <a href="#">X10DAX</a>           | <a href="#">X10DRC-LN4+</a>  |
| <a href="#">X10DRC-T4+</a>       | <a href="#">X10DRH-C</a>     |
| <a href="#">X10DRH-CLN4</a>      | <a href="#">X10DRH-CT</a>    |
| <a href="#">X10DRH-I</a>         | <a href="#">X10DRH-iT</a>    |
| <a href="#">X10DRi-LN4+</a>      | <a href="#">X10DRi-T4+</a>   |
| <a href="#">X10DRL-C</a>         | <a href="#">X10DRL-CT</a>    |
| <a href="#">X10DRL-iT</a>        | <a href="#">X10SLA-F</a>     |
| <a href="#">X10SRH-CF</a>        | <a href="#">X10SRH-CLN4F</a> |
| <a href="#">X10SRL-F</a>         | <a href="#">X9DA7</a>        |
| <a href="#">X9DAE</a>            | <a href="#">X9DAi</a>        |
| <a href="#">X9DB3-F</a>          | <a href="#">X9DB3-TPF</a>    |
| <a href="#">X9DBi-F</a>          | <a href="#">X9DBi-TPF</a>    |
| <a href="#">X9DBL-3</a>          | <a href="#">X9DBL-3F</a>     |
| <a href="#">X9DBL-i</a>          | <a href="#">X9DBL-iF</a>     |
| <a href="#">X9DR3-F</a>          | <a href="#">X9DRD-7LN4F</a>  |
| <a href="#">X9DRD-7LN4F-JBOD</a> | <a href="#">X9DRD-EF</a>     |
| <a href="#">X9DRD-iF</a>         | <a href="#">X9DRD-LF</a>     |
| <a href="#">X9DRH-7F</a>         | <a href="#">X9DRH-7TF</a>    |
| <a href="#">X9DRH-iF</a>         | <a href="#">X9DRH-iF-NV</a>  |
| <a href="#">X9DRH-iTF</a>        | <a href="#">X9DRi-F</a>      |
| <a href="#">X9DRL-7F</a>         | <a href="#">X9DRL-EF</a>     |

### System Cooling

- Fans**
- 3x 8cm hot-swap redundant PWM cooling fans
  - 2x 8cm hot-swap exhaust fans & air shroud

### System Monitoring

Chassis intrusion switch



### Operating Environment (System)

|  |                              |
|--|------------------------------|
| <b>Operating Temperature Range</b>           | 5°C - 35°C (41°F - 95°F)     |
| <b>Non-Operating Temperature Range</b>       | -40°C - 70°C (-40°F - 158°F) |
| <b>Operating Relative Humidity Range</b>     | 8% - 90% (non-condensing)    |
| <b>Non-Operating Relative Humidity Range</b> | 5% - 95% (non-condensing)    |

### Power Supply (76mm Width)

1000W Redundant Power Supplies with PMBus

|                              |  |
|------------------------------|--|
| <b>Total Output Power</b>    | ▪ 800W/1000W   |
| <b>Dimension (W x H x L)</b> | ▪ 76 x 40.4 x 336 mm   |
| <b>Input</b>                 | ▪ 100-127Vac / 12-9A / 50-60Hz<br>▪ 200-240Vac / 7.2-6A / 50-60Hz        |
| <b>+12V</b>                  | ▪ Max: 66.7A & Min. 0A (100-127Vac)<br>▪ Max: 83A & Min. 0A (200-240Vac) |
| <b>5Vsb</b>                  | ▪ Max: 4A / Min: 0A  |
| <b>Output Type</b>           | ▪ 19 Pairs Gold Finger Connector   |

|                      |  |
|----------------------|--|
| <b>Certification</b> |   UL/cUL/CB/BSMI/CE/CCC<br><b>Titanium Level</b><br><a href="#">[ Test Report ]</a> |
|----------------------|--|

#### Regulatory (Power Supply)

|                                   |   |
|-----------------------------------|---|
| <b>Power Supply Safety / EMC*</b> | <ul style="list-style-type: none"> <li>▪ USA - UL listed</li> <li>▪ Canada - CUL listed</li> <li>▪ Germany - TUV Certified</li> <li>▪ EN 60950/IEC 60950-Compliant</li> <li>▪ CB Report</li> <li>▪ CCC Certification</li> </ul> |
|-----------------------------------|---|

### Components

[See Parts List](#)

| Standard Parts List       |                    |       |   |
|---------------------------|--------------------|-------|---|
|                           | Part Number        | Qty   | Description   |
| <b>Chassis</b>            | CSE-836BE1C-R1K03B | 1     | 3U Chassis (Black)  |
| <b>Backplane</b>          | BPN-SAS3-836EL1    | 1     | 16-port 3U SAS3 12Gbps single-expander backplane, support up to 16x 3.5-inch SAS3/SATA3 HDD/SSD |
| <b>Power Supply</b>       | PWS-1K03A-1R       | 2     | 1U 1000W Redundant Power Supply Titanium W/PMbus 76x365x40mm,RoHS/REACH                         |
| <b>Power Distributor</b>  | PDB-PT826-8824     | 1     | PDB with longer 24pin for SC826B  |
| <b>Cable 1</b>            | CBL-0071L          | 1     | ROUND 16 pin TO 16 PIN RIBBON FP CABLE 75cm. 28AWG  |
| <b>Cable 2</b>            | CBL-0088L          | 1     | 10.5", 4 PIN MIDDLE FAN POWER CABLE (PWM). 24AWG  |
| <b>Fan 1</b>              | FAN-0125L4         | 2     | 80x32 mm 6.7K RPM SC836 Rear Exhaust Fan w/ Housing   |
| <b>Fan 2</b>              | FAN-0126L4         | 3     | 80x80x38 mm 7K RPM Chassis Middle Fan w/ Housing  |
| <b>Drive Tray(s)</b>      | MCP-220-00007-01   | 1     | Black USB/COM port tray for SC825, 836  |
| <b>Drive Tray(s)</b>      | MCP-220-00075-0B   | 16    | Black gen 5.5 hot-swap 3.5" HDD tray  |
| <b>Rear Window</b>        | MCP-240-83605-0N   | 1     | 836B chassis rear window (to support the optional MCP-220-83605-0N)                             |
| <b>Peripheral Drive 1</b> | MCP-290-00007-01   | 1     | Black DVD dummy cover for SC825, 836  |
| <b>Mounting Rails</b>     | MCP-290-00053-0N   | 1     | Rail set, quick/quick, default for 2,3U 17.2"W  |
| <b>Part(s)</b>            | MCP-290-83601-0V   | 1 set | Silver chassis handles (left and right) for SC836/835   |
| <b>Air Shroud</b>         | MCP-310-39001-0N   | 1     | SC835/836/936 Intel DP X9-X10 PC air shroud 1368x13/12x13MB                                     |
| <b>Mounting Rails</b>     | MCP-410-00007-0N   | 1     | Rail screw bag  |

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

[Hide Parts List](#)