

SuperChassis 846BE1C-R1K28B



► **Chassis Manual**
► **Optimization**

Key Features

1. 4U chassis support for max. motherboard size - EE-ATX (13.68" x 13"), E-ATX (12" x 13"), ATX (12" x 10")
 2. 24 x 3.5" hot-swap drive bay
 3. 24-port 4U SAS3 12Gbps single-expander backplane, support up to 24x 3.5-inch SAS3/SATA3 HDD/SSD
 4. 1U 1280W Redundant Platinum 95%+ Super Quiet Power Supply with PMbus
 5. 7 full-height & full-length expansion slot(s)
 6. 3 x 8cm hot-swap redundant PWM cooling fan(s)
 7. 10.5K RPM Upgrade for X11: FAN-0185L4
 8. 2 x 80mm rear hot-swap exhaust PWM fan(s)
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Note: Image above may show a varied configuration of optional parts.
Please refer to parts list for standard parts included.

Specifications

Product SKUs

- CSE-846BE1C-R1K28B
- SuperChassis 846BE1C-R1K28B

Form Factor

- 4U chassis support for max. motherboard size - EE-ATX (13.68" x 13"), E-ATX (12" x 13"), ATX (12" x 10")

Processor Support

- Single and Dual Intel® and AMD processors

Dimensions

- | | |
|-----------------------|--|
| Height | 7" (178 mm) |
| Width | 17.2" (437 mm) |
| Depth | 26" (660 mm) |
| Gross Weight | 75 lbs (34.02 kg) |
| Packaging (W x H x L) | 34.3" (871 mm) x 26.5" (673 mm) x 13.5" (343 mm) |
| Available Color | Black |

Expansion Slots

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

Drive Bays

- 24 x 3.5" hot-sw ap drive bay

Backplane

- 24-port 4U SAS3 12Gbps single-expander backplane, support up to 24x 3.5-inch SAS3/SATA3 HDD/SSD

Peripheral Drives

- Optional 2 x 2.5" hot-sw ap drive bay
- Optional 1 x 3.5" internal fixed drive bay
- Optional 2 x 2.5" internal fixed drive bay

Front Panel

- | | |
|---------|---|
| Buttons | <ul style="list-style-type: none">Pow er On/Off buttonSystem Reset Button |
| LEDs | <ul style="list-style-type: none">2 Netw ork Activity LEDsFan Fail/System Over Heat LEDHDD activity LEDPow er Status LEDUnit Identification (UID) LED |

Systems Cooling

- | | |
|------|---|
| Fans | <ul style="list-style-type: none">3 x 8cm hot-sw ap redundant PWM cooling fan(s)10.5K RPM Upgrade for X11: FAN-0185L42 x 80mm rear hot-sw ap exhaust PWM fan(s) |
|------|---|

System Monitoring

- Chassis intrusion switch

Operating Environment (System)

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|---------------------------------------|------------------------------|
| 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 1280W Redundant Platinum 95%+ Super Quiet Pow er Supply w ith PMbus

- | | |
|------------------------------|--|
| Power Efficiency | 95% |
| Total Output Power and Input | <ul style="list-style-type: none">1000W with Input 100 - 140Vac1280W with Input 180 - 240Vac |
| AC Input Frequency | 50-60Hz |
| Dimensions (L x W x H) | 336 x 76 x 40 mm |
| Output Type | Backplanes (gold finger) |
| -12V | Max: NAA |
| +12V | <ul style="list-style-type: none">Max: 83A / Min: 0.5A (100Vac - 140Vac)Max: 106.7A / Min: 0.5A (180Vac - 240Vac) |
| +5Vsb | Max: 4A / Min: 0A |
| +12Vsb | Max: NAA |
| Power Distributor | PDB-PT846-2824 |
| Certification | <div> Platinum Certified</div> |

Regulatory (Power Supply)

- | | |
|---------------------------|---|
| Power Supply Safety / EMC | <ul style="list-style-type: none">BSMICCCCE/EMCFCC class BTUV/CBUL/CUL |
|---------------------------|---|

Components

Standard Parts List

	Part Number	Qty	Description
Air Shroud	MCP-310-49003-0N	1	SC846 Intel DP X9, X8 PC air shroud 1368x13/12x13MB
HD Backplane	BPN-SAS3-846EL1	1	24-port 4U SAS3 12Gbps single-expander backplane, support up to 24x 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-0160L	2	NEMA5-15P to C13 US power cord 16AWG 6ft, PBF (default for high watt)
Cable(S)	CBL-0217L	1	CBL,CNTL PANEL CONVERTER,FOR SC826/846,FFC,16PIN,22CM
Cable(S)	CBL-0234L	1	4-PIN POWER SUPPLY Y-CABLE FOR HDD, 15CM, 20AWG
Fan(s)	FAN-0125L4	2	80x32 mm 6.7K RPM SC836 Rear Exhaust Fan w / Housing
Fan(s)	FAN-0127L4	3	80x80x38 mm 7K RPM SC846 Middle Fan w / Housing
Front Panel	MCP-280-82601-0N	1	Front control board adapter (TB826) for SC216,826,936,846
Drive Tray(s)	MCP-220-00075-0B	24	Black gen 5.5 hot-sw ap 3.5"; HDD tray
Power Distributor	PDB-PT846-2824	1	PDB with 23pairs input connector support SC846B
Power Supply & Accessory	PWS-1K28P-SQ	2	1U 1280W, redundant single output power supply
Power Supply & Accessory	MCP-290-84604-0N	1	SC846 PDB Cover
Mounting Rail(s)	MCP-290-00057-0N	1 set	Rail set, quick/quick, default for 4U 17.2"; W
Mounting Rail(s)	MCP-410-00007-0N	1	Rail screw bag
Rear Window	MCP-240-84602-0N	1	846B rear window which support 2 X 2.5"; HDD module and DVD

Optional Parts List

	Part Number	Qty	Description
Drive Trays	MCP-220-84601-0N	-	Single 3.5" Fixed HDD Tray (RA cables required)
Short Rail	MCP-290-00058-0N	-	19" to 26.6" rail set, Quick Release, Tool-less (for rev. K4 or later)
DVD-ROM / DVD-RW	MCP-220-84607-0N	-	Optional DVD kit for SC846BA/E16/E26 chassis only
HDD Tray Converter	MCP-220-00118-0B	-	Black gen-5.5 tool-less 3.5-to-2.5 converter drive tray,RoHS/REACH
HDD Kit	MCP-220-84610-0N	-	12G 2.5-inch x2 Drive Kit w / Status LED for 846B

Motherboard (for CSE- 846BE1C-R1K28B)

<u>X10DRi-LN4+</u>	<u>X10DRi-T4+</u>	<u>X10DRC-T4+</u>	<u>X10DRC-LN4+</u>
<u>X10DRi</u>	<u>X10SRH-CLN4F</u>	<u>X10DRi-T</u>	<u>X10DAi</u>
● <u>X10DAC</u>	<u>X10DRH-I</u>	<u>X10DRH-iT</u>	<u>X10DRH-CT</u>
<u>X10DRH-C</u>			

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

Servers (for CSE- 846BE1C-R1K28B)

<u>6048R-E1CR24H</u>	<u>6048R-E1CR24L</u>	<u>6048R-E1CR24N</u>
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