

SuperChassis 847BE1C-R1K28LPB

[Home](#) ▶ [Products](#) ▶ [Chassis](#) ▶ [4U](#) ▶ [\[SC847BE1C-R1K28LPB\]](#)



▶ [Chassis Manual](#)

Key Features

1. 4U Chassis for motherboard support size: (12" x 10") (13.68" x 13") (9.6" x 9.6")
2. 36 x 3.5" hot-swap SAS/SATA drive bay with SES3, optional 2 x 2.5" hot-swap drive bay
3. 12-port 2U SAS3 12Gbps single-expander backplane, support up to 12x 3.5-inch SAS3/SATA3 HDD/SSD
4. 24-port 4U SAS3 12Gbps single-expander backplane, support up to 24x 3.5-inch SAS3/SATA3 HDD/SSD
5. 1U 1280W Redundant Platinum 95%+ Super Quiet Power Supply with PMbus
6. 7 low-profile expansion slot(s)
7. 7 x 8cm (7000 RPM) hot-swap PWM cooling fan(s)

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

Specifications

Product SKUs

- **CSE-847BE1C-R1K28LPB** • SuperChassis 847BE1C-R1K28LPB

Form Factor

- 4U Chassis for motherboard support size: (12" x 10") (13.68" x 13") (9.6" x 9.6")

Processor Support

- Single and Dual Intel® and AMD processors

Dimensions

- Height** • 7" (178 mm)
- Width** • 17.2" (437 mm)
- Depth** • 27.5" (699 mm)
- Gross Weight** • 91 lbs (41.28 kg)
- Packaging (W x H x L)** • 27.2" (691 mm) x 17.4" (442 mm) x 39.6" (1006 mm)
- Available Color** • Black

Expansion Slots

- 7 low-profile expansion slot(s)

Motherboard (for CSE- 847BE1C-R1K28LPB)

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|----------------------------------|------------------------------|
| X9DR3-F | X9DRi-F |
| X9DRH-7F | X9DRH-7TF |
| X9DRH-iF | X9DRH-iTF |
| X9DRD-7LN4F-JBOD | X9DRD-EF |
| X9DRD-7LN4F | X9DB3-TPF |
| X9DB3-F | X9DBi-TPF |
| X9DBi-F | X9DRH-iF-NV |
| X10DRi-LN4+ | X10DRi-T4+ |
| X10DRC-T4+ | X10DRC-LN4+ |
| X10DRi | X10SRH-CLN4F |
| X10DRi-T | X10DRH-I |
| X10DRH-iT | X10DRH-CT |
| X10DRH-C | X10DRH-iLN |
| X10DRH-CLN4 | |

Servers (for CSE- 847BE1C-R1K28LPB)

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|-------------------------------|-------------------------------|
| 6047R-E1CR36L | 5048R-E1CR36L |
| 6047R-E1CR36N | 6048R-E1CR36H |
| 6048R-E1CR36L | 6048R-E1CR36N |

Systems Cooling

- Fans** • 7 x 8cm (7000 RPM) hot-swap PWM cooling fan(s)

System Monitoring

- Chassis intrusion switch

Drive Bays

- 36 x 3.5" hot-swap SAS/SATA drive bay with SES3
- Optional 2 x 2.5" hot-swap drive bay

Backplane

- 12-port 2U SAS3 12Gbps single-expander backplane, support up to 12x 3.5-inch SAS3/SATA3 HDD/SSD
- 24-port 4U SAS3 12Gbps single-expander backplane, support up to 24x 3.5-inch SAS3/SATA3 HDD/SSD

Peripheral Drives

- Optional 2 x 3.5" internal fixed drive bay
- Optional 4 x 2.5" internal fixed drive bay

Front Panel

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|----------------|---|
| Buttons | <ul style="list-style-type: none">• Power On/Off button• System Reset Button |
| LEDs | <ul style="list-style-type: none">• 2 Network Activity LEDs• Fan Fail/System Over Heat LED• HDD activity LED• Power Status LED• Unit Identification (UID) LED |

Operating Environment (System)

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|------------------------------------|--|
| Operating Temperature Range | <ul style="list-style-type: none">• 5°C - 35°C (41°F - 95°F) |
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|--|--|
| Non-Operating Temperature Range | <ul style="list-style-type: none">• -40°C - 70°C (-40°F - 158°F) |
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|--|---|
| Operating Relative Humidity Range | <ul style="list-style-type: none">• 8% - 90% (non-condensing) |
|--|---|

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|--|---|
| Non-Operating Relative Humidity Range | <ul style="list-style-type: none">• 5% - 95% (non-condensing) |
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Power Supply

1U 1280W Redundant Platinum 95%+ Super Quiet Power Supply with PMbus

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| Power Efficiency | <ul style="list-style-type: none">• 95% |
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| Total Output Power and Input | <ul style="list-style-type: none">• 1000W with Input 100 - 140Vac• 1280W with Input 200 - 240Vac |
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|---------------------------|---|
| AC Input Frequency | <ul style="list-style-type: none">• 50-60Hz |
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| Dimensions (L x W x H) | <ul style="list-style-type: none">• 336 x 76 x 40 mm |
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| Output Type | <ul style="list-style-type: none">• Backplanes (gold finger) |
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| +12V | <ul style="list-style-type: none">• Max: 83A / Min: 0.5A (100Vac - 140Vac)• Max: 106.7A / Min: 0.5A (200Vac - 240Vac) |
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|--------------|---|
| +5Vsb | <ul style="list-style-type: none">• Max: 4A / Min: 0A |
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|--------------------------|--|
| Power Distributor | <ul style="list-style-type: none">• PDB-PT847-8824• O/P: 12V/135• +5V Max: 100• +3.3V Max: 30• -12V Max: 0.6 |
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| Certification | <ul style="list-style-type: none">•  Platinum Certified |
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Regulatory (Power Supply)

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| Power Supply Safety / EMC | <ul style="list-style-type: none">• BSMI• CCC• CE/EMC• FCC class B• TUV/CB• UL/CUL |
|----------------------------------|---|

Components

Standard Parts List

	Part Number	Qty	Description
Air Shroud	MCP-310-49004-0N	1	SC847/417 DP X9 universal PC air shroud 1368x13/12x13MB
HD Backplane	BPN-SAS3-826EL1	1	12-port 2U SAS3 12Gbps single-expander backplane, support up to 12x 3.5-inch SAS3/SATA3 HDD/SSD
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
Fan(s)	FAN-0126L4	7	80x80x38 mm 7K RPM Chassis 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	36	Black gen 5.5 hot-swap 3.5"; HDD tray

Drive Tray(s)	MCP-220-84708-ASM	1	SC847B LP MB Tray assembly, HF, RoHS/REACH
Power Distributor	PDB-PT847-8824	1	24pin standard output with 5V high current 100Amp power distributor board for SC847
Power Supply & Accessory	PWS-1K28P-SQ	2	1U 1280W, redundant single output power supply
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

Optional Parts List

	Part Number	Qty	Description
Cable	CBL-SAST-0531	-	Internal Mini-SAS HD to Mini-SAS HD 80cm, 30AWG, 12Gb/s
Cable	CBL-SAST-0532	-	Internal Mini-SAS HD to Mini-SAS HD 50cm, 30AWG, 12Gb/s
Drive Trays	MCP-220-84701-0N	-	Internal drive bay for one 3.5" HDD or two 2.5" HDD
Drive Trays	MCP-220-00043-0N	-	3.5" convert to 2.5" hot-swap HDD Tray
Front Bezel	MCP-210-84601-0B	-	Front Bezel Cover, Black with Key Lock
Mounting Rail	MCP-290-00058-0N	-	19" to 26.6" rail set, Quick Release, Tool-less
Mounting Rail	MCP-290-00060-0N	-	Square hole to round hole rail adaptor set
HDD Kit	MCP-220-82609-0N	-	Rear 2.5 x 2 Hot swap HDD kit for 216B/826B/417B/846X/847B
Drive Trays	MCP-220-00043-0N	-	Black hotswap gen 4 3.5 to 2.5 HDD tray
Drive Trays	MCP-220-84701-0N	-	SC847 internal drive tray for one 3.5
Cable	CBL-SAST-0531-01	-	Internal Mini-SAS HD to Mini-SAS HD 80cm, 30AWG, 12Gb/s [FCI], RoHS/REACH
Cable	CBL-SAST-0532	-	Internal Mini-SAS HD to Mini-SAS HD 50cm, 30AWG, 12Gb/s, HF, RoHS/REACH, PBF
Front Bezel	MCP-210-84601-0B	-	Black Front Bezel For SC846 Chassis
Rail	MCP-290-00058-0N	-	Short rail set, quick release, 19.6"~26.9" Extendable Length
Rail	MCP-290-00061-0N	-	Non-threaded rail adapter optional for round thread rack
HDD Kit	MCP-220-82616-0N	-	12G 2.5x2 Drive Kit w/ Status LED (216B/826B/417B/846X/847B

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