

# SuperChassis 216BE1C-R920LPB

---



▶ [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. 2U chassis support max. motherboard size - ATX 12" x 10", E-ATX 12" x 13", EE-ATX 13" x 13.68". Support up to ATX 12"x13" MB with rear 2.5" HDD option installed
  2. 24 x 2.5" hot-swap SAS/SATA drive bay, optional 2 x 2.5" hot-swap drive bay
  3. 24-port 2U SAS3 12Gbps single-expander backplane, support up to 24x 2.5-inch SAS3/SATA3 HDD/SSD
  4. 1U 920W Redundant Platinum Super Quiet power supply W/PMbus
  5. 7 low-profile expansion slot(s)
  6. 3 x 8cm high-performance PWM fan(s)
  7. Optional 5 x 6cm 4pin high performance fan(s)
-

# Specifications

## Product SKUs

- **CSE-216BE1C-R920LPB** ■ SuperChassis 216BE1C-R920LPB

## Form Factor

- 2U chassis support max. motherboard size - ATX 12" x 10", E-ATX 12" x 13", EE-ATX 13" x 13.68".
- Support up to ATX 12"x13" MB with rear 2.5" HDD option installed

## Processor Support

- Dual, single Intel® / AMD processors

## Dimensions

- **Height** ■ 3.5" (89 mm)
- **Width** ■ 17.2" (437 mm)
- **Depth** ■ 24.8" (630 mm)
- **Gross Weight** ■ 53 lbs (24.04 kg)
- **Packaging (W x H x L)** ■ 25.8" (655 mm) x 10.1" (257 mm) x 37.8" (960 mm)
- **Available Color** ■ Black

## Expansion Slots

- 7 low-profile expansion slot(s)

## Drive Bays

- 24 x 2.5" hot-sw ap SAS/SATA drive bay
- Optional 2 x 2.5" hot-sw ap drive bay

## Backplane

- 24-port 2U SAS3 12Gbps single-expander backplane, support up to 24x 2.5-inch SAS3/SATA3 HDD/SSD

## Front Panel

- **Buttons** ■ Power On/Off button  
■ System Reset Button
- **LEDs** ■ 2 Network Activity LEDs  
■ Fan Fail/System Over Heat LED  
■ HDD activity LED  
■ Power Status LED  
■ Unit Identification (UID) LED

## Systems Cooling

- **Fans** ■ 3 x 8cm high-performance PWM fan(s)  
■ Optional 5 x 6cm 4pin high performance fan(s)

## 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 920W Redundant Platinum Super Quiet power supply W/PMbus

- **Power Efficiency** ■ 94%
- **Total Output Power and Input** ■ 920W with Input 100 - 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: N/A
- **+12V** ■ Max: 75A / Min: 1A (100Vac - 240Vac)
- **+5Vsb** ■ Max: 4A / Min: 0A
- **+12Vsb** ■ Max: N/A
- **Power Distributor** ■ PDB-PT216-2824  
■ O/P: 12V/100  
■ +5V Max: 30  
■ +3.3V Max: 24  
■ -12V Max: 0.6

## Certification

-  **Platinum Certified**

## Regulatory (Power Supply)

- **Power Supply Safety / EMC** ■ BSMI  
■ CCC  
■ CE/EMC  
■ FCC class B  
■ TUV/CB  
■ UL/CUL

# Components

## Standard Parts List

	Part Number	Qty	Description
<b>Air Shroud</b>	MCP-310-29001-0N	1	SC825/826/216/213 Intel DP X9,X8 air shroud 13.68x13/12x13
<b>HD Backplane</b>	BPN-SAS3-216EL1	1	24-port 2U SAS3 12Gbps single-expander backplane, support up to 24x 2.5-inch SAS3/SATA3 HDD/SSD
<b>Cable(S)</b>	CBL-0071L	1	CBL,FRONT CNTL,16 TO 16 PIN,RA,RND TUBE,75CM,28AWG
<b>Cable(S)</b>	CBL-0088	3	10.5", 4 PIN MIDDLE FAN POWER EXTENSION (PWM)
<b>Cable(S)</b>	CBL-0160L	2	NEMA5-15P to C13 US power cord 16AWG 6ft, PBF (default for high watt)
<b>Cable(S)</b>	CBL-0182L	1	4 pin to 4 pin power extension .HDD to RA,40cm. 20AWG
<b>Cable(S)</b>	CBL-0217L	1	CBL,CNTL PANEL CONVERTER,FOR SC826/846,FFC,16PIN,22CM
<b>Fan(s)</b>	FAN-0126L4	3	80x80x38 mm 7K RPM Chassis Middle Fan w / Housing
<b>Front Panel</b>	FPB-FP826-D	1	Front control board Dual color LED(FP826-D)forSC826,213,216,219
<b>Front Panel</b>	TB826	1	Front panel adaptor board (TB826) forSC826,213,216,219
<b>Drive Tray(s)</b>	MCP-290-82607-0N	1	826B/216B rear dummy cover for 2 X 2.5
<b>Drive Tray(s)</b>	MCP-220-00047-0B	24	Black gen 3rd hot-sw ap 2.5inch HDD tray
<b>Power Distributor</b>	PDB-PT216-2824	1	PDB with 23pairs input connectors for SC216B
<b>Power Supply &amp; Accessory</b>	PWS-920P-SQ	2	920W 1U Redundant PWS W/ Quiet Mode
<b>Mounting Rail(s)</b>	MCP-290-00053-0N	1	Rail set, quick/quick, default for 2,3U 17.2";W
<b>Mounting Rail(s)</b>	MCP-410-00007-0N	1	Rail screw bag
<b>Rear Window</b>	MCP-240-82608-0N	1	216B/826B LP rear window,RoHS/REACH,PBF

## Optional Parts List

	Part Number	Qty	Description
<b>Short Rail</b>	MCP-290-00058-0N	-	Short rail set, quick release, 19.6"~26.9" Extendable Length
<b>HDD Kit</b>	MCP-220-82609-0N	-	Rear 2.5 x 2 Hot sw ap HDD kit for 216B/826B/417B/846X/847B
<b>Fan Kit</b>	MCP-320-82603-0N	-	6cm fan cooling module for 826B/216B (5X6cm fan)
<b>Front Bezel</b>	MCP-210-82601-0B	-	Black Front Bezel for 826 chassis
<b>HDD Kit</b>	MCP-220-82616-0N	-	12G 2.5x2 Drive Kit w / Status LED (216B/826B/417B/846X/847B

## Motherboard (for CSE- 216BE1C-R920LPB)

<u>X9DAi</u>	● <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>X10DRH-I</u>	<u>X10DRH-iT</u>	● <u>X10DRH-CT</u>	● <u>X10DRH-C</u>
X10DRH-iLN	● <u>X10DRH-CLN4</u>		

● = Most optimized Chassis for SuperServer Configuration

Blue color = Compatible

Green color = Global SKU & Compatible

Red dot & green color = Optimized + Global SKU