

SuperChassis 216BE1C4-R1K23LPB



▶ [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 20x 2.5-inch SAS3/SATA3 HDD/SSD and 4x NVMe/SAS3/SATA3 storage devices
 4. 1U 1200W/1000W Titanium Power Supply W/PMbus W76xL336xH40mm
 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)
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Specifications

Product SKUs

- **CSE-216BE1C4-R1K23LPB** ■ SuperChassis 216BE1C4-R1K23LPB

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 20x 2.5-inch SAS3/SATA3 HDD/SSD and 4x NVMe/SAS3/SATA3 storage devices

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 1200W/1000W Titanium Power Supply W/PMbus W76xL336xH40mm

- **Power Efficiency** ■ 96%
- **Total Output Power and Input** ■ 1000W with Input 100 - 127Vac
■ 1200W with Input 200 - 240Vac
■ 1200W 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: 83A (100Vac - 127Vac)
■ Max: 100A (200Vac - 240Vac)
■ Max: 100A (200 - 240)
- **+5Vsb** ■ Max: 4A / Min: 0A
- **Power Distributor** ■ PDB-PT216-2824
■ O/P: 12V/100
■ +5V Max: 30
■ +3.3V Max: 24
■ -12V Max: 0.6

Certification



■ 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-310-29001-0N	1	SC825/826/216/213 Intel DP X9,X8 air shroud 13.68x13/12x13
HD Backplane	BPN-SAS3-216EL1-N4	1	24-port 2U SAS3 12Gbps single-expander backplane, support up to 20x 2.5-inch SAS3/SATA3 HDD/SSD and 4x NVMe/SAS3/SATA3 storage devices
Cable(S)	CBL-0071L	1	CBL,FRONT CNTL,16 TO 16 PIN,RA,RND TUBE,75CM,28AWG
Cable(S)	CBL-0088	3	10.5", 4 PIN MIDDLE FAN POWER EXTENSION (PWM)
Cable(S)	CBL-0160L	2	NEMA5-15P to C13 US power cord 16AWG 6ft, PBF (default for high watt)
Cable(S)	CBL-0182L	1	4 pin to 4 pin power extension .HDD to RA,40cm. 20AWG
Cable(S)	CBL-0217L	1	CBL,CNTL PANEL CONVERTER,FOR SC826/846,FFC,16PIN,22CM
Fan(s)	FAN-0158L4	3	80x80x38 mm, 10.5K RPM, Optional Middle Cooling Fan for X10 2U Ultra and HFT Series Servers,RoHS/REACH
Front Panel	FPB-FP826-D	1	Front control board Dual color LED(FP826-D)forSC826,213,216,219
Front Panel	TB826	1	Front panel adaptor board (TB826) forSC826,213,216,219
Drive Tray(s)	MCP-290-82607-0N	1	826B/216B rear dummy cover for 2 X 2.5
Drive Tray(s)	MCP-220-00047-0B	24	Black gen 3rd hot-sw ap 2.5inch HDD tray
Power Distributor	PDB-PT216-2824	1	PDB with 23pairs input connectors for SC216B
Power Supply & Accessory	PWS-1K23A-1R	2	AC-DC 1200W, Titanium Level, Redundancy, 1U, PMBUS 1.2, +12V/+5Vsb, 360x76x40 mm,HF,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-240-82608-0N	1	216B/826B LP rear window ,RoHS/REACH,PBF

Optional Parts List

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

Motherboard (for CSE- 216BE1C4-R1K23LPB)

X11SPH-nCTE

● X11DPH-I

H11DSI-NT

● X11DPH-TQ

X11SPH-nCTPE

H11DSi

● X11DPH-T

● = Most optimized Chassis for SuperServer Configuration

Blue color = Compatible

Green color = Global SKU & Compatible

Red dot & green color = Optimized + Global SKU

Servers (for CSE- 216BE1C4-R1K23LPB)

2029P-E1CR24H

2029P-E1CR24L