



### Key Features

- 23.5" Depth 1U Rackmount Chassis - supports for maximum motherboard sizes of 12" x 13"
- 10 x 2.5" NVMe/SAS hybrid drive bay
- SAS or enterprise SATA HDD only recommended
- 1U 10-Slot SFF Hybrid Backplane Supports 10xSAS3/SATA3/NVMe4 Storage Devices with 1x(2x4) + 2x(1x4) + 1x(2x2) Power Connectors
- 800W/860W 1U redundant power supply
- 1 full-height & full-length expansion slot(s)
- 4 x 40x56mm counter-rotation PWM fan(s)
- Optional 2 x fans for AOC cooling

### Specifications

#### Product SKUs

SuperChassis 116AC10-R860CB-N10

#### Form Factor

23.5" Depth 1U Rackmount Chassis - supports for maximum motherboard sizes of 12" x 13"

#### Processor Support

Dual and Single Intel® and AMD processors

#### Dimensions

##### Height

1.7" (43 mm)

##### Width

17.2" (437 mm)

##### Depth

23.5" (597 mm)

##### Gross Weight

36 lbs (16.33 kg)

##### Packaging (W x H x L)

23.7" (602 mm) x 7.7" (196 mm) x 31.8" (808 mm)

##### Available Color

Black

#### Expansion Slots

1x Full-height, Full-length expansion slot(s)

#### Drive Bays

10x 2.5" hot-swap NVMe/SAS drive bay hybrid

SAS or enterprise SATA HDD only recommended

#### Backplane

10-Port 1U SFF Hybrid Backplane Supports 10xSAS3/SATA3/NVMe4 Storage Devices with 1x(2x4) + 2x(1x4) + 1x(2x2) Power Connectors

#### Front Panel

##### Button

Power On/Off button

System Reset button

Unit Identification (UID) button

##### LED

Power status LED

HDD activity LED

2 Network Activity LEDs

Unit Identification (UID) LED

##### Port

2x USB Port(s)

#### Systems Cooling

##### Fans

Optional 2x fans for AOC cooling

4x 40x56mm counter-rotation PWM fan(s)

#### 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

800W/860W 1U redundant power supply

##### Power Efficiency

94+%

##### Total Output Power and Input

860W with Input 200 - 240Vac

800W with Input 100 - 127Vac

860W with Input 200 - 240Vdc

##### AC Input Frequency

50-60Hz

##### Dimensions (L x W x H)

322 x 54.5 x 40.25 mm

##### Output Type

Backplanes (gold finger)

##### +12V

Max: 71.6A / Min: 0A (200Vac - 240Vac)

Max: 66.6A / Min: 0A (100Vac - 127Vac)

##### +5Vsb

Max: 4A / Min: 0A

##### Power Distributor

PDB-PT112-2424

O/P: 12V/54

+5V Max: 25A

+3.3V Max: 25A

-12V Max: 0.6A

##### Certification



(<http://www.plugloadsolutions.com/80PlusPowerSuppliesDetail.aspx?id=69&type=1>), Platinum Certified

Regulatory (Power Supply)

##### Power Supply Safety / EMC

BSMI

CCC

CE/EMC

UL/CB

UL/CUL

## Components

### Standard Parts List

<b>Air Shroud</b>	
Part Number	MCP-310-19002-0N
Qty	1
Description	SC815/113/116 Intel DP X9, X8 PC air shroud, 12x13MB
<b>HD Backplane</b>	
Part Number	BPN-SAS3-LB16A-N10
Qty	1
Description	1U 10-Slot SFF Hybrid Backplane Supports 10xSAS3/SATA3/NVMe4 Storage Devices with 1x(2x4) + 2x(1x4) + 1x(2x2) Power Connectors
<b>Cable(s)</b>	
Part Number	CBL-0335L
Qty	1
Description	FRONT CTL CABLE 20 PIN TO 20 PIN W/TUBE,70CM,PBF
<b>Cable(s)</b>	
Part Number	CBL-PWCD-0160-IS
Qty	2
Description	PWCD,US,NEMA5-15P TO IEC60320 C13,6FT,16AWG,RoHS/REACH
<b>Part(s)</b>	
Part Number	MCP-120-00031-0N
Qty	1
Description	Riser card bracket for SC812,813,813M,815,111,113,113M
<b>Part(s)</b>	
Part Number	MCP-120-00116-0N
Qty	1
Description	Blank FH L-bracket with 4x4 vent holes
<b>Part(s)</b>	
Part Number	MCP-230-00021-0N
Qty	1
Description	Top cover for SC113
<b>Part(s)</b>	
Part Number	MCP-270-00023-0N
Qty	1
Description	1U SC116 chassis base(Redundant Power)
<b>Part(s)</b>	
Part Number	MCP-290-81501-0V
Qty	1
Description	Sliver chassis handle for SC813,813M,814,815,816,818,808,809,111,113,113M,514.515
<b>Fan(s)</b>	
Part Number	FAN-0141L4
Qty	4
Description	40x40x56 mm 20.5K RPM / 17.6K RPM Counter-rotating Fan
<b>Front Panel</b>	
Part Number	FPB-FP116-DU3
Qty	1
Description	Front control board with two USB 3.0 for SC116/SC119X
<b>Cooling Fan &amp; Accessory</b>	
Part Number	MCP-320-00027-0B
Qty	24
Description	Plastic pin for 40x28, 40x56 fan
<b>Cooling Fan &amp; Accessory</b>	
Part Number	MCP-320-00028-0B
Qty	1
Description	Fan holder for 6pcs 40x56 fan, assemble-able for SC819/SC119/SC818/SC116
<b>Cooling Fan &amp; Accessory</b>	
Part Number	MCP-340-00035-0B
Qty	2
Description	Dummy fan 40x56mm for 40x56 counter-rotating fan (cost-effective)
<b>Drive Tray(s)</b>	
Part Number	MCP-220-00167-0B
Qty	10
Description	Gen 3 2.5-inch Tool-less NVMe drive tray (clip design),RoHS
<b>Power Distributor</b>	
Part Number	PDB-PT112-2424
Qty	1
Description	SC112 24PIN REDUNDANT PWS DISTRIBUTOR
<b>Part(s)</b>	
Part Number	MCP-260-00078-0N
Qty	1
Description	1U I/O shield for X10 and X9 Server MB with 5X5mm vent hole and EMI Gasket,RoHS/REACH,PBF

**Power Supply & Accessory**

Part Number	MCP-250-00009-0N
Qty	1
Description	SC113 Redundant Power Distributor Cover

---

**Power Supply & Accessory**

Part Number	PWS-860P-1R2
Qty	2
Description	1U 860W, Redundant power supply, 54.5mm width, Platinum with

---

**Mounting Rail(s)**

Part Number	MCP-290-00016-0N
Qty	1
Description	1U open rack bracket set for CSE-PT51L,MCP-290-00054-0N

---

**Mounting Rail(s)**

Part Number	MCP-290-00063-0N
Qty	1 set
Description	Rail set, quick/quick, default for 1U 17.2"W for SC113/SC116,RoHS/REACH

---

**Rear Window**

Part Number	MCP-240-00086-0N
Qty	1
Description	STD rear window for SC113 redundant PWS

---

**Optional Parts****Air Shroud**

Part Number	MCP-310-00026-01
Qty	-
Description	Air Shroud for SC815-650 (AMD Server)

---

**Motherboard (for CSE-116AC10-R860CB-N10)****Motherboard Name**

▶ [X12SPO-NTF](#) ● [\(/en/products/motherboard/X12SPO-NTF\)](#) ▶ [X12SPO-F](#) ● [\(/en/products/motherboard/X12SPO-F\)](#)

● = Most optimized Chassis for SuperServer Configuration

Blue color = Compatible

Green color = Global SKU & Compatible

Red dot & green color = Optimized + Global SKU

---

[Global SKU \(/en/products/SMC\\_global\\_skus\)](#)

---