



Key Features

- Optimized for X13 WIO (W series) motherboards, support MB size up to 12.3" x 13.4"
- 10 x 2.5" hot-swap SAS3/SATA drive bay
- 10-port 1U SAS3 12Gbps Hybrid backplane, support up to 10x 2.5-inch NVMe storage devices, 4 of them are SAS3/SATA3 drives compatible.
- 1U Redundant 860W Single Output Power Supply Platinum level, 54.5mm width
- 2 full height expansion slot(s) , 1 low-profile expansion slot(s)
- 4 x 40x56mm counter-rotation PWM fan(s)

Specifications

Product SKUs

SuperChassis 116BAC10-R860W

Form Factor

1U chassis support for motherboard size Proprietary 12.3" 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

33.5 lbs (15.2 kg)

Net Weight

21 lbs (9.53 kg)

Packaging (W x H x L)

23.5" (597 mm) x 7.75" (197 mm) x 31.5" (800 mm)

Available Color

Black

Expansion Slots

2x Full-height, Full-length expansion slot(s) (Riser Card Required)

1x Low-profile expansion slot(s) (Riser Card Required)

Drive Bays

10x 2.5" hot-swap SAS3/SATA/NVMe drive bay

SAS or enterprise SATA HDD only recommended

Backplane

10-Port 1U 1U 10-port backplane, 10x SAS3/SATA3/NVME5 for X13

Front Panel

Button

Power On/Off button

Unit Identification (UID) button

LED

Power status LED

HDD activity LED

2 Network Activity LEDs

Fan Fail/System Over Heat LED

Systems Cooling

Fans

Optional 2x 40x56mm fans for AOC cooling

4x 40x56mm counter-rotation PWM 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

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-PT116-SL8824

O/P: 12V/80

+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

Air Shroud	
Part Number	MCP-310-11606-0B
Qty	1
Description	Air block for 1U WIO SC116B with X13SEW
Bracket	
Part Number	MCP-240-00201-0N
Qty	1
Description	1U WIO top-load riser card bracket for SC815B, SC116B
HD Backplane	
Part Number	BPN-NVME5-LB16A-S10
Qty	1
Description	1U 10-port backplane, 10x SAS3/SATA3/NVME5 for X13 CloudDC
Cable(s)	
Part Number	CBL-0335L
Qty	1
Description	FRONT CTL CABLE 20 PIN TO 20 PIN W/TUBE,70CM,PBF
Cable(s)	
Part Number	CBL-PWCD-0160-IS
Qty	2
Description	PWCD,US,NEMA5-15P TO IEC60320 C13,6FT,16AWG,RoHS/REACH
Part(s)	
Part Number	MCP-120-00115-0N
Qty	1
Description	Blank LP L-bracket with 4x4 vent holes
Part(s)	
Part Number	MCP-120-00116-0N
Qty	2
Description	Blank FH L-bracket with 4x4 vent holes
Part(s)	
Part Number	MCP-230-00038-0N
Qty	1
Description	Top cover with 1 mylar for SC113, 116
Part(s)	
Part Number	MCP-270-00023-0N
Qty	1
Description	1U SC116 chassis base(Redundant Power)
Part(s)	
Part Number	MCP-290-00173-0N
Qty	1
Description	SC119 Intrusion assembly upgraded version (with 3rd mounting screw hole) (cable length: 47mm)
Fan(s)	
Part Number	FAN-0163L4
Qty	4
Description	40x40x56 mm, 23.3K-20.3K RPM, Counter-rotating Fan
Front Panel	
Part Number	FPB-FP116-DU3
Qty	1
Description	Front control board with two USB 3.0 for SC116/SC119X
Cooling Fan & Accessory	
Part Number	MCP-320-00027-0B
Qty	24
Description	Plastic pin for 40x28, 40x56 fan
Cooling Fan & Accessory	
Part Number	MCP-320-00028-0B
Qty	1
Description	Fan holder for 6pcs 40x56 fan, assemble-able for SC819/SC119/SC818/SC116
Cooling Fan & Accessory	
Part Number	MCP-340-00035-0B
Qty	2
Description	Dummy fan 40x56mm for 40x56 counter-rotating fan (cost-effective)
Drive Tray(s)	
Part Number	MCP-220-00047-0B
Qty	10
Description	Black gen 3rd hot-swap 2.5inch HDD tray
Power Distributor	
Part Number	PDB-PT116-SL8824
Qty	1
Description	Based on PDB-PT116-L8824 to optimize 24Pin etc cable lengths
Power Supply & Accessory	
Part Number	PWS-860P-1R2

Qty 2
Description 1U 860W, Redundant power supply,
54.5mm width, Platinum with

Power Supply & Accessory

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

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 1set
Description Rail set, quick/quick, default for 1U
17.2"W for SC113/SC116,RoHS/REACH

Rear Window

Part Number MCP-240-00202-0N
Qty 1
Description 1U WIO rear window to support top-
load riser bracket for SC815B,SC116B

Optional Parts**Air shroud**

Part Number	MCP-310-81306-0B	MCP-310-81505-0N
Qty	-	-
Description	Mylar air shroud for 1U X12SPW-TF	SC815B/SC116B CPU Plastic Air Shroud for X13SEW

Drive Trays

Part Number	MCP-220-00167-0B •eStore (https://store.supermicro.com/mcp-220-00167-0b.html).	MCP-220-00120-0B •eStore (https://store.supermicro.com/mcp-220-00120-0b.html).
Qty	-	-
Description	Gen 3 2.5-inch Tool-less NVMe drive tray (clip design),RoHS	Tool-less Black gen-3 2.5-inch NVMe drive tray (Orange tab, PUSH button with key lock)

Front bezel

Part Number MCP-210-11601-0B
Qty -
Description Black Front Bezel for
SC113,SC113M,SC116,SC119,SC119U,S
C514 (No LED indicator support)

Rail

Part Number MCP-290-00056-0N •eStore
(<https://store.supermicro.com/1u-rail-kit-mcp-290-00056-0n.html>).

Qty -
Description Quick-release outer rail for square hole
short-depth rack (19"~26.4")

Motherboard (for CSE-116BAC10-R860W)**Motherboard Name**

▶ X13SEW-TF (</en/products/motherboard/X13SEW-TF>)▶ X13SEW-F ● (</en/products/motherboard/X13SEW-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)
