

SuperChassis 815BTQC-R860W



Key Features

- Optimized for X13 WIO (W series) motherboards, support MB size up to 12.3" x 13.4"
- 4 x 3.5" hot-swap SAS/SATA
- SAS or enterprise SATA HDD only recommended
- 1U 4-Port 12Gbps Backplane Support 4x3.5
- 1U Redundant 860W Single Output Power Supply Platinum level, 54.5mm width
- 2 full-height & full-length expansion slot(s) , 1 low-profile expansion slot(s)
- 4 x 40x56mm counter-rotation PWM fan(s)

Specifications

Product SKUs

SuperChassis **815BTQC-R860W**

Form Factor

1U chassis support for motherboard size
Proprietary WIO 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

25.6" (650 mm)

Gross Weight

34.5 lbs (15.46 kg)

Net Weight

21.5 lbs (9.75 kg)

Packaging (W x H x L)

23.5" (597 mm) x 8.5" (216 mm) x 33.7" (856 mm)

Available Color

Black

Expansion Slots

1x Low-profile expansion slot(s)
2x Full-height, Full-length expansion slot(s)

Drive Bays

4x 3.5" hot-swap SAS3/SATA3 drive bay
SAS or enterprise SATA HDD only recommended

Backplane

4-Port 1U 12Gbps Backplane Support
4x3.5" SAS3/SATA HDD

Peripheral Drives

Optional 1x Slim DVD-ROM Drive
Optional 1x USB + COM port tray

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
Fan Fail/System Over Heat LED

Systems Cooling

Fans

Optional 2x 40x56mm 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-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-310-81506-0B
Qty	1
Description	Air block for 1U WIO SC815B 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-SAS3-815TQ
Qty	1
Description	1U 4-Port 12Gbps Backplane Support 4x3.5
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-230-00036-0N
Qty	1
Description	Top cover with 1 mylar for SC815 (cost-down)
Part(s)	
Part Number	MCP-270-81505-0N
Qty	1
Description	Chassis base for SC815T, U version, Redundant PWS(cost-down)
Part(s)	
Part Number	MCP-290-00173-0N
Qty	1
Description	SC119 Intrusion assembly upgraded version (with 3rd mounting screw hole) (cable length: 47mm)
CD-ROM & Accessory	
Part Number	CSE-PT93L-B
Qty	1
Description	Black DVD dummy cover for SC813, 813M, 815, PBF-RoHS
Fan(s)	
Part Number	FAN-0163L4
Qty	4
Description	40x40x56 mm, 23.3K-20.3K RPM, Counter-rotating Fan
Front Panel	
Part Number	FPB-FP815U
Qty	1
Description	815 UIO front control board (U)
Cooling Fan & Accessory	
Part Number	CSE-PT0135
Qty	1
Description	FAN HOLDER FOR SIX 40X56MM COUNTER ROTATING FANS
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-220-00075-0B
Qty	4
Description	Black gen 5.5 hot-swap 3.5" 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-250-81502-0N
Qty	1
Description	SC815 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-290-00054-0N
Qty	1set
Description	Rail set, quick/quick, optional for 1U 17.2
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

Adaptor HDD carrier

Part Number	MCP-220-00043-0N • eStore (https://store.supermicro.com/mcp-220-00043-0n.html)
Qty	-
Description	Black hotswap gen 4 3.5 to 2.5 HDD tray

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-220-00116-0B • eStore (https://store.supermicro.com/mcp-220-00116-0b.html)	MCP-220-00138-0B • eStore (https://store.supermicro.com/mcp-220-00138-0b.html)
Qty	-	-
Description	Black gen-5 3.5-to-2.5 NVMe drive tray, Orange tab (for hotswap NVMe drive),RoHS/REACH	Black gen-5.5 tool-less NVMe 3.5-to-2.5 drive tray, Orange tab

Front Bezel	
Part Number	CSE-PTFB-813LB
Qty	-
Description	BLACK SC813 FRONT BEZEL, PB FREE

Mounting Rail	
Part Number	MCP-290-00052-0N-BULK • eStore (https://store.supermicro.com/1u-rail-kit-mcp-290-00052-0n-bulk.html)
Qty	-
Description	Outer rail, /quick, optional for 1U 17.2

Peripheral Drive(s)	
Part Number	MCP-220-00110-0B
Qty	-
Description	Black USB/COM port tray in slim DVD bay,RoHS/REACH,PBF

Motherboard (for CSE-815BTQC-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_sku)