

SuperChassis 815TQC4-605WB2



Key Features

- 1U chassis, Support WIO/Proprietary motherboard size up to 12.3" x 13"
- 4 x 3.5" hot-swap SAS3/SATA drive bay
- SAS or enterprise SATA HDD only recommended
- 4-port 1U SAS3 12Gbps Hybrid backplane, support up to 4x 3.5-inch SAS3/SATA3/NVMe Storage Devices
- 1U 600W platinum efficiency multiple output power supply w/PMBus
- 2 full-height & full-length expansion slot(s) , 1 low-profile expansion slot(s)
- 4 x 40x56mm counter-rotation PWM fan(s)
- Optional 2 x fans for AOC cooling

Specifications

Product SKUs

SuperChassis **815TQC4-605WB2**

Form Factor

1U chassis, Support WIO/Proprietary motherboard size up to 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

36 lbs (16.33 kg)

Packaging (W x H x L)

23.6" (601 mm) x 7.7" (196 mm) x 34.1" (866 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/SATA drive bay
SAS or enterprise SATA HDD only recommended

Backplane

4-Port 1U SAS3 12Gbps Hybrid backplane, support up to 4x 3.5-inch SAS3/SATA3/NVMe Storage Devices

Peripheral Drives

Optional 1x slim DVD-ROM drive bay

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 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

1U 600W platinum efficiency multiple output power supply w/PMBus

Power Efficiency

92%

Total Output Power and Input

600W with Input 100 - 240Vac

AC Input Frequency

50-60Hz

Dimensions (L x W x H)

279.4 x 76 x 40.4 mm

Output Type

24pin ATX

-12V

Max: 0.5A / Min: 0A

+12V

Max: 49A / Min: 0.5A (100Vac - 240Vac)

+5V

Max: 18A / Min: 0.5A

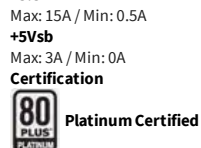
+3.3V

Max: 15A / Min: 0.5A

+5Vsb

Max: 3A / Min: 0A

Certification



Regulatory (Power Supply)

Power Supply Safety / EMC

BSMI
CCC
CE/EMC
FCC class B
TUV/CB
UL/CUL

Components

Standard Parts List

Air Shroud

Part Number	MCP-310-19001-0N
Qty	1
Description	SC815/113/116 Intel DP X9, X8 PC air shroud,1368x13/12x13MB

HD Backplane

Part Number	BPN-SAS3-815TQ-N4
Qty	1
Description	4-port 1U SAS3 12Gbps Hybrid backplane, support up to 4x 3.5-inch SAS3/SATA3/NVMe Storage Devices

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	1
Description	PWCD,US,NEMA5-15P TO IEC60320 C13,6FT,16AWG,RoHS/REACH

Part(s)

Part Number	MCP-240-00099-0N
Qty	1
Description	1U WIO riser card bracket for SC113, SC815, SC119, SC819

Part(s)

Part Number	MCP-270-81503-0N
Qty	1
Description	Chassis base for SC815T, U version, Single PWS (cost-down)

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-290-00173-0N
Qty	1
Description	SC119 Intrusion assembly upgraded version (with 3rd mounting screw hole)

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-0141L4
Qty	4
Description	40x40x56 mm 20.5K RPM / 17.6K 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

Part(s)

Part Number	MCP-120-00030-0N
Qty	1
Description	Blank LP L-bracket (1 row of capsule hole)

Part(s)

Part Number	MCP-120-00053-0N
Qty	2
Description	Blank FH L bracket w/o SCSI cutout for SC825,836,846,743

Power Supply & Accessory

Part Number	PWS-605P-1H
Qty	1

Description	1U 600W Multi Output Power Supply PMBus
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-240-00097-0N
Qty	1
Description	W/O rear window for SC113,SC116, SC815 Single PWS

Optional Parts

Adaptor HDD carrier			
Part Number	MCP-220-00043-0N •eStore		
Qty	-		
Description	Adaptor HDD carrier to install 2.5" HDD in 3.5" HDD tray		
Drive Trays			
Part Number	MCP-220-00116-0B •eStore		
Qty	-		
Description	Black gen-5 3.5-to-2.5 NVMe drive tray, Orange tab (for hotswap NVMe drive),RoHS/REACH		
Front Bezel			
Part Number	CSE-PTFB-813LB (black)		
Qty	-		
Description	Front Bezel Cover, Black (optional)		
Front Tray			
Part Number	CSE-PT40 (B)		
Qty	-		
Description	Front USB and COM tray (Occupies Slim Floppy Drive Location)		
Heatsink / Retention			
Part Number	N/A		
Qty	-		
Description	Please refer to our Thermal Components Matrix		
LCD/OLED Solutions			
Part Number	N/A		
Qty	-		
Description	Please reference the LCD/OLED Display Solutions for details		
Mounting Rail			
Part Number	MCP-290-00056-0N •eStore		
Qty	-		
Description	19" to 26.4" outer rail, /quick, for 1U 17.2" W chassis		
Peripheral Drive(s)			
Part Number	DVM-TEAC-DVD-SBT3	DVM-PNSC-DVD-SBT3	MCP-220-81502-0N •eStore
Qty	-	-	-
Description	Black slim SATA DVD (8x DVD, 24x CDR), TEAC	Black slim SATA DVD (8x DVD, 24x CDR), Panasonic	Slim SATA DVD kit (include backplane, cable)
Tray(s)			
Part Number	MCP-290-00036-0B		
Qty	-		
Description	Black DVD dummy tray, supports 1x 2.5" slim HDD (9.6mm thick)		

Motherboard (for CSE-815TQC4-605WB2)

Motherboard Name

X12SPW-TF X12SPW-F

● = Most optimized Chassis for SuperServer Configuration

Blue color = Compatible

Green color = Global SKU & Compatible

Red dot & green color = Optimized + Global SKU