

# SuperChassis 815TQC-R706WB2

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## Key Features

Optimized for X11 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 700/750W 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 **815TQC-  
R706WB2**

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**Form Factor**

Optimized for X11 WIO (W series)  
motherboards, support MB size up to  
12.3" x 13.4"

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**Processor Support**

Dual and Single Intel® and AMD processors

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**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)**

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

**Available Color**

Black

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**Expansion Slots**

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

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**Drive Bays**

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

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**Backplane**

4-Port 1U 12Gbps Backplane Support  
4x3.5

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**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

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**Systems Cooling****Fans**

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

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**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)

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**Power Supply**

1U Redundant 700/750W  
Single Output Power Supply  
Platinum level, 54.5mm  
width

**Power Efficiency**

94%

**Total Output Power and****Input**

750W with Input 200 - 240Vac  
700W with Input 100 - 140Vac

**AC Input Frequency**

50-60Hz

**Dimensions (L x W x H)**

320 x 54.5 x 40.25 mm

**Output Type**

Backplanes (gold finger)

**+12V**

Max: 62A / Min: 0.5A (200Vac - 240Vac)

Max: 58A / Min: 0.5A (100Vac - 140Vac)

**+5Vsb**

Max: 3A / Min: 0A

**Power Distributor**

PDB-PT112-S2424

O/P: 12V/54

+5V Max: 25A

+3.3V Max: 25A

-12V Max: 0.6A

## Certification



Platinum Certified

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### Regulatory (Power Supply)

#### Power Supply Safety / EMC

BSMI

CCC

CE/EMC

FCC class A

UL/CB

UL/CUL

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## Components

### Standard Parts List

#### Air Shroud

Part Number	MCP-310-19002-0N
Qty	1
Description	SC815/113/116 Intel DP X9, X8 PC air shroud, 12x13MB

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#### HD Backplane

Part Number	BPN-SAS3-815TQ
Qty	1
Description	1U 4-Port 12Gbps Backplane Support 4x3.5

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#### Cable(s)

Part Number	CBL-0335L
Qty	1
Description	FRONT CTL CABLE 20 PIN TO 20 PIN W/TUBE,70CM,PBF

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#### Part(s)

Part Number	MCP-230-00036-0N
Qty	1
Description	Top cover with 1 mylar for SC815 (cost-down)

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#### Part(s)

Part Number	MCP-240-00099-0N
Qty	1

Description 1U WIO riser card bracket for SC113,  
SC815, SC119, SC819

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Part(s)

Part Number MCP-270-81505-0N

Qty 1

Description Chassis base for SC815T, U version,  
Redundant PWS(cost-down)

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Part(s)

Part Number MCP-290-00088-0N

Qty 1

Description SC119 Intrusion assembly

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CD-ROM & Accessory

Part Number CSE-PT93L-B

Qty 1

Description Black DVD dummy cover for SC813,  
813M, 815, PBF-RoHS

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Fan(s)

Part Number FAN-0086L4

Qty 4

Description 40x56 4Pin PWM, Primary for SC815,  
Secondary for SC818, 825M

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Fan(s)

Part Number FAN-0156L4

Qty 4

Description 40x40x56 mm 13K-11K RPM  
Counter-rotating Fan,RoHS/REACH

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Front Panel

Part Number FPB-FP815U

Qty 1

Description 815 UIO front control board (U)

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Cooling Fan & Accessory

Part Number CSE-PT0135

Qty 1

Description FAN HOLDER FOR SIX 40X56MM  
COUNTER ROTATING FANS

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Cooling Fan & Accessory

Part Number MCP-340-00035-0B

Qty 2

Description Dummy fan 40x56mm for 40x56 counter-rotating fan (cost-effective)

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Drive Tray(s)

Part Number MCP-220-00075-0B

Qty 4

Description Black gen 5.5 hot-swap 3.5" HDD tray

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Power Distributor

Part Number PDB-PT112-S2424

Qty 1

Description WIO X11 Support,PDB-PT112-S2424 is based on PDB-PT112-2424

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Part(s)

Part Number MCP-120-00030-0N

Qty 1

Description Blank LP L-bracket (1 row of capsule hole)

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Part(s)

Part Number MCP-120-00053-0N

Qty 2

Description Blank FH L bracket w/o SCSI cutout for SC825,836,846,743

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Power Supply & Accessory

Part Number PWS-706P-1R

Qty 2

Description 1U 750W redundant power width 54.5mm(Platinum),HF,RoHS/REACH,PBF

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Power Supply & Accessory

Part Number MCP-250-81502-0N

Qty 1

Description SC815 Redundant Power Distributor Cover

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Mounting Rail(s)

Part Number MCP-290-00016-0N

Qty 1

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

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Mounting Rail(s)

Part Number MCP-290-00054-0N

Qty	1set
Description	Rail set, quick/quick, optional for 1U 17.2

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Rear Window	
Part Number	MCP-240-00098-0N
Qty	1
Description	WIO rear window for SC113,SC116, SC815 Redundant PWS

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## Optional Parts

### Adaptor HDD carrier

Part Number	MCP-220-00043-0N <a href="#">eStore</a>
Qty	-
Description	Adaptor HDD carrier to install 2.5" HDD in 3.5" HDD tray

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Front Bezel	
Part Number	CSE-PTFB-813LB (black)
Qty	-
Description	Front Bezel Cover with Key Lock & Filter, Black, Beige, LCD options

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Front Tray	
Part Number	CSE-PT40 (B)
Qty	-
Description	Front USB and COM tray (Occupies Slim Floppy Drive Location)

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### Heatsink / Retention

Part Number	N/A
Qty	-
Description	Please refer to our Thermal Components Matrix

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### LCD/OLED Solutions

Part Number	N/A
Qty	-
Description	Please reference the LCD/OLED Display Solutions for details

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### Mounting Rail

Part Number	MCP-290-00056-0N <a href="#">eStore</a>
Qty	-

Description 19" to 26.4" outer rail, /quick, for 1U  
17.2" W chassis

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Peripheral Drive(s)

Part Number	MCP-220-81502-0N 	DVM-PNSC-DVD-SBT3
Qty	-	-
Description	Slim SATA DVD kit (include backplane, cable)	Black slim SATA DVD (8x DVD, 24x CDR), Panasonic

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Tray(s)


Part Number	MCP-290-00036-0B
Qty	-
Description	Black DVD dummy tray, supports 1x 2.5" slim HDD (9.6mm thick)

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## Motherboard (for CSE-815TQC-R706WB2)

### Motherboard Name

X11DDW-NT X11DDW-L

 = *Most optimized Chassis for SuperServer Configuration*

*Blue color = Compatible*

*Green color = Global SKU & Compatible*

*Red dot & green color = Optimized + Global SKU*

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