

# SuperChassis 815TQC-R706WB

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► **Chassis Manual**  
► **Optimization**

## Key Features

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1. Optimized for WIO (W series) motherboards
  2. 4 x 3.5" hot-swap SAS/SATA
  3. SAS or enterprise SATA HDD only recommended
  4. 1U 4-Port 12Gbps Backplane Support 4x3.5
  5. 1U Redundant 700/750W Single Output Power Supply Platinum level, 54.5mm width
  6. 2 full-height & full-length expansion slot(s) , 1 low-profile expansion slot(s)
  7. 4 x 40x56mm counter-rotation PWM fan(s)
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Note: Image above may show a varied configuration of optional parts. Please refer to parts list for standard parts included.

# Specifications

## Product SKUs

- CSE-815TQC-R706WB
- SuperChassis 815TQC-R706WB

## Form Factor

- Optimized for WIO (W series) motherboards

## Processor Support

- Dual, single Intel® / 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)** 23.5" (597 mm) x 8.5" (216 mm) x 33.7" (856 mm)
- **Available Color** Black

## Expansion Slots

- 2 full-height & full-length expansion slot(s)
- 1 low-profile expansion slot(s)

## Drive Bays

- 4 x 3.5" hot-sw ap SAS/SATA
- SAS or enterprise SATA HDD only recommended

## Backplane

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

## Front Panel

- **Buttons**
  - Power On/Off button
  - System Reset Button
  - Unit Identification (UID) button
- **LEDs**
  - 2 Network Activity LEDs
  - Fan Fail/System Over Heat LED
  - HDD activity LED
  - Power Status LED
  - Unit Identification (UID) LED

## Systems Cooling

- **Fans** 4 x 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 Redundant 700/750W Single Output Power Supply Platinum level, 54.5mm width

- **Power Efficiency** 94%
- **Total Output Power and Input**
  - 700W with Input 100 - 140Vac
  - 750W with Input 200 - 240Vac
- **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: 58A / Min: 0.5A (100Vac - 140Vac)
  - Max: 62A / Min: 0.5A (200Vac - 240Vac)
- **+5Vsb** Max: 3A / Min: 0A
- **Power Distributor**
  - PDB-PT112-2420
  - O/P: 12V/54
  - +5V Max: 25
  - +3.3V Max: 25
  - -12V Max: 0.6

- **Certification**
  -  Platinum Certified

## Regulatory (Power Supply)

- **Power Supply Safety / EMC**
  - BSMI
  - CCC
  - CE/EMC
  - FCC class A
  - UL/CB
  - UL/CUL

# Components

## Standard Parts List

|                                     | Part Number      | Qty  | Description                                                        |
|-------------------------------------|------------------|------|--------------------------------------------------------------------|
| <b>Air Shroud</b>                   | MCP-310-19002-0N | 1    | SC815/113/116 Intel DP X9, X8 PC air shroud, 12x13MB               |
| <b>HD Backplane</b>                 | BNP-SAS3-815TQ   | 1    | 1U 4-Port 12Gbps Backplane Support 4x3.5                           |
| <b>Cable(S)</b>                     | CBL-0335L        | 1    | CBL,FRONT CNTL,20 TO 20 PIN,RA,RND TUBE,73CM,28AWG                 |
| <b>Cable(S)</b>                     | CBL-PWCD-0160-IS | 2    | PWCD,US,NEMA5-15P TO IEC60320 C13,6FT,16AWG,13A,125V,RoHS/REACH    |
| <b>CD-ROM &amp; Accessory</b>       | CSE-PT93L-B      | 1    | Black DVD dummy cover for SC813, 813M, 815, PBF-RoHS               |
| <b>Fan(s)</b>                       | FAN-0156L4       | 4    | 40x40x56 mm 13K-11K RPM Counter-rotating Fan,RoHS/REACH            |
| <b>Front Panel</b>                  | FPB-FP815U       | 1    | 815 UIO front control board (U)                                    |
| <b>Cooling Fan &amp; Accessory</b>  | CSE-PT0135       | 1    | FAN HOLDER FOR SIX 40X56MM COUNTER ROTATING FANS                   |
| <b>Cooling Fan &amp; Accessory</b>  | MCP-340-00035-0B | 2    | Dummy fan 40x56mm for 40x56 counter-rotating fan (cost-effective)  |
| <b>Drive Tray(s)</b>                | MCP-220-00075-0B | 4    | Black gen 5.5 hot-sw ap 3.5"; HDD tray                             |
| <b>Power Distributor</b>            | PDB-PT112-2420   | 1    | SC112 20PIN REDUNDANT POWER DISTRIBUTOR                            |
| <b>Part(s)</b>                      | MCP-120-00030-0N | 1    | Blank LP L-bracket (1 raw of capsule hole)                         |
| <b>Part(s)</b>                      | MCP-120-00053-0N | 2    | Blank FH L bracket w/o SCSI cutout for SC825,836,846,743           |
| <b>Power Supply &amp; Accessory</b> | PWS-706P-1R      | 2    | 1U 750W redundant pow er w idth 54.5mm(Platinum),HF,RoHS/REACH,PBF |
| <b>Power Supply &amp; Accessory</b> | MCP-250-81502-0N | 1    | SC815 Redundant Pow er Distributor Cover                           |
| <b>Mounting Rail(s)</b>             | MCP-290-00054-0N | 1set | Rail set, quick/quick, optional for 1U 17.2                        |
| <b>Rear Window</b>                  | MCP-240-00098-0N | 1    | WIO rear w indow for SC113,SC116, SC815 Redundant PWS              |

## Optional Parts List

|                             | Part Number            | Qty | Description                                                          |
|-----------------------------|------------------------|-----|----------------------------------------------------------------------|
| <b>Adaptor HDD carrier</b>  | MCP-220-00043-0N       | -   | Adaptor HDD carrier to install 2.5" HDD in 3.5" HDD tray             |
| <b>Front Bezel</b>          | CSE-PTFB-813LB (black) | -   | Front Bezel Cover w ith Key Lock & Filter, Black, Beige, LCD options |
| <b>Front Tray</b>           | CSE-PT40 (B)           | -   | Front USB and COM tray (Occupies Slim Floppy Drive Location)         |
| <b>Heatsink / Retention</b> | N/A                    | -   | Please refer to our Thermal Components Matrix                        |
| <b>LCD/OLED Solutions</b>   | N/A                    | -   | Please reference the LCD/OLED Display Solutions for details          |
| <b>Mounting Rail</b>        | MCP-290-00056-0N       | -   | 19" to 26.4" outer rail, /quick, for 1U 17.2" W chassis              |
| <b>Peripheral Drive(s)</b>  | DVM-TEAC-DVD-SBT3      | -   | Black slim SATA DVD (8x DVD, 24x CDR), TEAC                          |
| <b>Peripheral Drive(s)</b>  | DVM-PNSC-DVD-SBT3      | -   | Black slim SATA DVD (8x DVD, 24x CDR), Panasonic                     |
| <b>Peripheral Drive(s)</b>  | MCP-220-81502-0N       | -   | Slim SATA DVD kit (include backplane, cable)                         |
| <b>Tray(s)</b>              | MCP-290-00036-0B       | -   | Black DVD dummy tray, supports 1x 2.5" slim HDD (9.6mm thick)        |

## Servers (for CSE-815TQC-R706WB)

6019P-WTR