

SuperChassis 815TQC-605WB



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

Note: Image above may show a varied configuration of optional parts. Please refer to parts list for standard parts included.



Key Features

1. 1U chassis, support Proprietary motherboard size 12.3" x 13", Proprietary 8.15" x 13.05"
 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 600W platinum efficiency multiple output power supply w/PMBus
 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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Specifications

Product SKUs

- CSE-815TQC-605WB
- SuperChassis 815TQC-605WB

Form Factor

- 1U chassis, upport Proprietary motherboard size 12.3" x 13", Proprietary 8.15" x 13.05"

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

Peripheral Drives

- Optional 1 x slim DVD-ROM drive bay

Front Panel

- Buttons
 - Pow er On/Off button
 - System Reset Button
 - Unit Identification (UID) button
- LEDs
 - 2 Netw ork Activity LEDs
 - Fan Fail/System Over Heat LED
 - HDD activity LED
 - Pow er 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 600W platinum efficiency multiple output pow er 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
- +12Vsb Max: NAA

Certification



Platinum Certified

Regulatory (Power Supply)

- Power Supply Safety / EMC
 - BSMI
 - CCC
 - CE/EMC
 - FCC class B
 - TUV/CB
 - UL/CUL

Components

Standard Parts List

	Part Number	Qty	Description
Air Shroud	MCP-310-19001-0N	1	SC815/113/116 Intel DP X9, X8 PC air shroud,1368x13/12x13MB
HD Backplane	BP-N-SAS3-815TQ	1	1U 4-Port 12Gbps Backplane Support 4x3.5
Cable(S)	CBL-0335L	1	CBL,FRONT CNTL,20 TO 20 PIN,RA,RND TUBE,73CM,28AWG
Cable(S)	CBL-PWCD-0160-IS	1	PWCD,US,NEMA5-15P TO IEC60320 C13,6FT,16AWG,13A,125V,RoHS/REACH
CD-ROM & Accessory	CSE-PT93L-B	1	Black DVD dummy cover for SC813, 813M, 815, PBF-RoHS
Fan(s)	FAN-0156L4	4	40x40x56 mm 13K-11K RPM Counter-rotating Fan,RoHS/REACH
Front Panel	FPB-FP815U	1	815 UIO front control board (U)
Cooling Fan & Accessory	CSE-PT0135	1	FAN HOLDER FOR SIX 40X56MM COUNTER ROTATING FANS
Cooling Fan & Accessory	MCP-340-00035-0B	2	Dummy fan 40x56mm for 40x56 counter-rotating fan (cost-effective)
Drive Tray(s)	MCP-220-00075-0B	4	Black gen 5.5 hot-sw ap 3.5"; HDD tray
Part(s)	MCP-120-00030-0N	1	Blank LP L-bracket (1 raw of capsule hole)
Part(s)	MCP-120-00053-0N	2	Blank FH L bracket w/o SCSI cutout for SC825,836,846,743
Power Supply & Accessory	PWS-605P-1H	1	1U 600W Multi Output Pow er Supply PMbus
Mounting Rail(s)	MCP-290-00054-0N	1set	Rail set, quick/quick, optional for 1U 17.2
Mounting Rail(s)	MCP-290-00102-0N	1set	Outer rail, quick-release type, 25.6" to 33.05"
Mounting Rail(s)	MCP-290-00106-0N	1set	Inner rail, front, quick-release type
Mounting Rail(s)	MCP-290-00110-0N	1set	Inner rail, extension (quick) for 1U 17.2
Rear Window	MCP-240-00097-0N	1	WIO rear w indow for SC113,SC116, SC815 Single PWS

Optional Parts List

	Part Number	Qty	Description
Adaptor HDD carrier	MCP-220-00043-0N	-	Adaptor HDD carrier to install 2.5" HDD in 3.5" HDD tray
Front Bezel	CSE-PTFB-813LB (black)	-	Front Bezel Cover, Black (optional)
Front Tray	CSE-PT40 (B)	-	Front USB and COM tray (Occupies Slim Floppy Drive Location)
Heatsink / Retention	N/A	-	Please refer to our Thermal Components Matrix
LCD/OLED Solutions	N/A	-	Please reference the LCD/OLED Display Solutions for details
Mounting Rail	MCP-290-00056-0N	-	19" to 26.4" outer rail, /quick, for 1U 17.2" W chassis
Peripheral Drive(s)	CSE-PT92L	-	Slim IDE DVD kit
Peripheral Drive(s)	DVM-TEAC-DVD-SBT3	-	Black slim SATA DVD (8x DVD, 24x CDR), TEAC
Peripheral Drive(s)	DVM-PNSC-DVD-SBT3	-	Black slim SATA DVD (8x DVD, 24x CDR), Panasonic
Peripheral Drive(s)	MCP-220-81502-0N	-	Slim SATA DVD kit (include backplane, cable)
Tray(s)	MCP-290-00036-0B	-	Black DVD dummy tray, supports 1x 2.5" slim HDD (9.6mm thick)

Motherboard (for CSE- 815TQC-605WB)

X11DDW-L

X11DDW-NT

X11SPW-TF

X11SPW-CTF

● = Most optimized Chassis for SuperServer Configuration

Blue color = Compatible

Green color = Global SKU & Compatible

Red dot & green color = Optimized + Global SKU

Servers (for CSE- 815TQC-605WB)