

RMS232 2U Rack Mount Computer Chassis Specifications

SuperChassis 825MBTQC-R802WB



Key Features

- 2U chassis supports for maximum motherboard sizes - SMC Proprietary WIO, 12.8" x 13.4" motherboards
- 3 x 3.5" hot-swap SAS/SATA drive bay with SGPIO, optional 2 x 2.5" hot-swap SAS/SATA drive bay w/ full SES-II support on SAS motherboards
- 3-port SC825M SAS3 12Gbps TQ backplane, support up to 3x 3.5-inch SAS3/SATA3 HDD/SSD
- 1U 800W Redundant Power Supply 76mm width, W/PMbus, Titanium
- 4 full height expansion slot(s) (Riser Card Required), 3 low-profile expansion slot(s) (Riser Card Required)
- 4 x 4cm high-performance counter-rotating PWM fan(s) with optimal fan(s) speed control
- Optional 1 x 4cm high-performance counter-rotating PWM fan(s) with optimal fan(s) speed control

Specifications

Product SKUs

SuperChassis 825MBTQC-R802WB

Form Factor

2U chassis supports for maximum motherboard sizes - SMC Proprietary WIO, 12.8" x 13.4" motherboards

Processor Support

Dual and Single Intel® and AMD processors

Dimensions

Height

3.5" (89 mm)

Width

17.2" (437 mm)

Depth

17.7" (450 mm)

Gross Weight

42 lbs (19.05 kg)

Packaging (W x H x L)

23.4" (594 mm) x 9.9" (251 mm) x 32.5" (826 mm)

Available Color

Black

Expansion Slots

4x Full-height expansion slot(s) (Riser Card Required)

3x Low-profile expansion slot(s) (Riser Card Required)

Drive Bays

3x 3.5" hot-swap SAS/SATA drive bay with SGPIO

Optional 2x 2.5" hot-swap SAS/SATA drive bay w/ full SES-II support on SAS motherboards

Backplane

3-Port SC825M SAS3 12Gbps TQ backplane, support up to 3x 3.5-inch SAS3/SATA3 HDD/SSD

Peripheral Drives

Optional 1x slim DVD-ROM drive bay

Optional 1x COM port tray

Optional 2x USB 2.0 ports

Front Panel

Button

Power On/Off button

System Reset button

LED

Power status LED

HDD activity LED

System Information LED

Power Fail LED

2 Network Activity LEDs

Systems Cooling

Fans

Optional 1x 4cm high-performance counter-rotating PWM fan(s) with optimal fan(s) speed control

4x 4cm high-performance counter-rotating PWM fan(s) with optimal fan(s) speed control

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 800W Redundant Power Supply 76mm width, W/PMbus, Titanium

Power Efficiency

96%

Total Output Power and Input

800W with Input 200 - 240Vdc

800W with Input 100 - 240Vac

AC Input Frequency

50-60Hz

Dimensions (L x W x H)

336 x 76 x 40 mm

Output Type

Backplanes (gold finger)

+12V

Max: 66A / Min: 0A (100Vac - 240Vac)

Max: 66A / Min: 0A (200Vdc - 240Vdc)

+5Vsb

Max: 4A / Min: 0A

Power Distributor

PDB-PT825-S8824

O/P: 12V/75A

+5V Max: 30A

+3.3V Max: 24A

-12V Max: 0.6A

Certification



Titanium Certified

Regulatory (Power Supply)

Power Supply Safety / EMC

BSMI

CCC

CE/EMC

FCC class A

TUV/CB

UL/CUL

Components

Standard Parts List

Air Shroud

Part Number MCP-310-29019-0N

Qty 1

Description SC823M Intel DP X10
Universal Mylar Air
Shroud, 12x13MB

HD Backplane

Part Number BPN-SAS3-825MTQ-P
Qty 1
Description 3-port SC825M SAS3
12Gbps TQ backplane,
support up to 3x 3.5-inch
SAS3/SATA3 HDD/SSD

Cable(s)

Part Number CBL-0071L
Qty 1
Description ROUND 16 TO 16 PIN
RIBBON FP CABLE 30"L, LF

Cable(s)

Part Number CBL-0160L
Qty 2
Description US POWER CORD 16AWG,
PB FREE

Part(s)

Part Number MCP-120-00061-0N
Qty 4
Description Blank FH L-bracket (5x5
square hole)

Part(s)

Part Number MCP-120-00062-0N
Qty 3
Description Blank LP L-bracket (5x5
square hole)

Part(s)

Part Number MCP-230-00011-00
Qty 1
Description Top cover for SC825M

Part(s)

Part Number MCP-240-00146-0N
Qty 1
Description 2U WIO Half Length riser
card bkt for SC825, 826,
213, 216,RoHS/REACH

Part(s)

Part Number MCP-240-00153-0N
Qty 1
Description Optional supporting
823M/825M riser bracket
for X10SRW

Part(s)

Part Number MCP-240-82513-0B
Qty 1
Description SC825M front window

Part(s)

Part Number MCP-290-82516-0N
Qty 1
Description DVD and USB holder for
SC825M

CD-ROM & Accessory

Part Number MCP-290-00041-0B

Qty 1
Description Black DVD dummy cover
for SC825M

Fan(s)

Part Number FAN-0156L4
Qty 4
Description 40x40x56 mm 13K-11K
RPM Counter-rotating
Fan,RoHS/REACH

Front Panel

Part Number FPB-FP836-D
Qty 1
Description Front control board Dual
color LED(FP836-
D)forSC823M,825,825M,82
8,829,835,836

Cooling Fan & Accessory

Part Number MCP-320-82502-0B
Qty 1
Description Fan Tray for Five 4056
Fans, for 825M

Cooling Fan & Accessory

Part Number MCP-340-00035-0B
Qty 1
Description Dummy fan 40x56mm for
40x56 counter-rotating fan
(cost-effective)

Drive Tray(s)

Part Number MCP-220-00075-0B
Qty 3
Description Black gen 5.5 hot-swap
3.5" HDD tray

Drive Tray(s)

Part Number MCP-220-82501-0N
Qty 1
Description HDD cage housing 3 trays
for SC825M

Power Distributor

Part Number PDB-PT825-S8824
Qty 1
Description SC825 24PIN REDUNDANT
PWR DISTRIBUTOR W/
SHORT CBL

Power Supply & Accessory

Part Number PWS-802A-1R
Qty 2
Description 1U 800W 100-240Vac/47-
63Hz, and DC240 input

Mounting Rail(s)

Part Number MCP-290-00053-0N
Qty 1
Description Rail set, quick/quick,
default for 2,3U 17.2"W

Mounting Rail(s)

Part Number MCP-290-00060-0N
Qty 1

Description Threaded rail adapter
default for round hole rack

Rear Window

Part Number MCP-240-82609-0N
Qty 1
Description SC826B, 216B WIO rear
window

Optional Parts

Cable

Part Number	CBL-0157L • eStore	CBL-0044L • eStore	CBL-SAST-0948 • eStore
Qty	-	-	-
Description	8 pin to 8 pin ribbon SGPIO cable with tube , 40cm, PBF	SATA CABLE 57.5CM FLAT S-S PBF. 26AWG flat	MINI SAS HD-4 SATA,12G,INT,60CM,60CM SB,30AWG

Front USB

Part Number MCP-290-82502-0B
Qty -
Description USB Tray For 825M

HDD Kit

Part Number	MCP-220-81506-0N • eStore	<u>MCP-220-82616-0N</u> • eStore	MCP-220-81504-0N • eStore
Qty	-	-	-
Description	12G 2.5-in Hot-swap Slim DVD Size Drive Kit with Status LED	12G 2.5x2 Drive Kit w/ Status LED(216B/826B/417B/846 X/847B)	12G 2.5-in Hot-swap Slim Floppy Size Drive Kit w/Status LED

Rail

Part Number MCP-290-00058-0N •
[eStore](#)
Qty -
Description Short rail set, quick
release, 19.6"~26.9"
Extendable Length

SATA DVD Kit

Part Number DVM-PNSC-DVD-SBT3
Qty -
Description BLACK PANASONIC SLIM
DVD ROM SATA
DRIVE,HF,RoHS/REACH
