

# SuperChassis 813MF2TQC-505CB

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## Key Features

1. 1U Chassis for motherboard support size: (12" x 10") (9.6" x 9.6")
  2. 4 x 3.5" hot-swap SAS/SATA drive bay with SES2
  3. 1U 4-Port 12Gbps Backplane Support 4x3.5
  4. 1U 500W Multi-output power supply w/ PMbus, 80Plus Platinum
  5. 1 full height expansion slot(s)
  6. 4 x 40x28mm PWM fan(s)  
Optional 2 x 40x28mm PWM fan(s)
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# Specifications

## Product SKUs

- CSE-813MF2TQC-505CB
- SuperChassis 813MF2TQC-505CB

## Form Factor

- 1U chassis support for motherboard size 12" x 10", 9.6" x 9.6"

## Processor Support

- Dual and Single Intel® and AMD processors

## Dimensions

- **Height** 1.7" (43 mm)
- **Width** 17.2" (437 mm)
- **Depth** 19.98" (507 mm)
- **Gross Weight** 31 lbs (14.06 kg)
- **Packaging (W x H x L)** 23.4" (594 mm) x 8.5" (216 mm) x 29.7" (754 mm)
- **Available Color** Black

## Expansion Slots

- 1x Full-height expansion slot(s)

## Drive Bays

- 4x 3.5" hot-swap SAS/SATA drive bay with SES2

## Backplane

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

## Peripheral Drives

- Optional 1x Slim DVD-ROM Drive

## Front Panel

- **Button**
  - Power On/Off button
  - System Reset button
- **LED**
  - Power status LED
  - HDD activity LED
  - System Information LED
  - 2 Network Activity LEDs

## Systems Cooling


- **Fans**
  - Optional 2x 40x28mm PWM fan(s)
  - 4x 40x28mm 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 500W Multi-output power supply w/ PMbus, 80Plus Platinum

- **Power Efficiency** 93%
- **Total Output Power and Input** 500W with Input 100 - 240Vac
- **AC Input Frequency** 50-60Hz
- **Dimensions (L x W x H)** 180 x 100 x 40 mm
- **Output Type** 24pin ATX
- **-12V** Max: 0.2A / Min: 0A
- **+12V** Max: 41A / Min: 0.5A (100Vac - 240Vac)
- **+5V** Max: 15A / Min: 0.2A
- **+3.3V** Max: 12A / Min: 0.2A
- **+5Vsb** Max: 3A / Min: 0A
- **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>HD Backplane</b>	BPN-SAS3-815TQ	1	1U 4-Port 12Gbps Backplane Support 4x3.5
<b>Cable(s)</b>	CBL-0071L	1	ROUND 16 TO 16 PIN RIBBON FP CABLE 30"L, LF
<b>Part(s)</b>	MCP-120-00078-0N	1	Optional shorter 1U riser card bracket for X9DRL-7F/EF and beyond
<b>Part(s)</b>	MCP-230-81305-0N	1	Top cover for SC813M, extend (19.98"), Single PWS
<b>Part(s)</b>	MCP-270-81308-0N	1	Chassis base for SC813M, extend (19.98"), Single PWS
<b>Part(s)</b>	MCP-290-00088-0N	1	SC119 Intrusion assembly
<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-0154L4	4	40x40x28 mm, 22.5K RPM, SC813MF Middle Cooling Fan,RoHS/REACH
<b>Front Panel</b>	FPB-FP813-D	1	Front control board dual color for SC815,SC813M (C)
<b>Cooling Fan &amp; Accessory</b>	MCP-320-00060-0N	1	Slim Fan tray for six 40x28 fans in SC813M (for X11DPL-i 12"x10.15")
<b>Drive Tray(s)</b>	MCP-220-00075-0B	4	Black gen 5.5 hot-swap 3.5" HDD tray
<b>Part(s)</b>	MCP-260-00078-0N	1	1U I/O shield for X10 and X9 Server MB with 5X5mm vent hole and EMI Gasket,RoHS/REACH,PBF
<b>Part(s)</b>	MCP-340-00001-01	2	Dummy fan 40x28mm
<b>Power Supply &amp; Accessory</b>	PWS-505P-1H	1	1U 500W Multi-output, Platinum level w/ PMbus 24pin, W100xL180xH40mm,RoHS/REACH
<b>Mounting Rail(s)</b>	MCP-290-00102-0N	1set	Outer rail, quick-release type, 25.6" to 33.05"
<b>Mounting Rail(s)</b>	MCP-290-00108-0N	1set	Inner rail, front, short, quick-release type
<b>Mounting Rail(s)</b>	MCP-290-00110-0N	1set	Inner rail, extension (quick) for 1U 17.2

## Optional Parts List

	Part Number	Qty	Description
<b>Adaptor Bracket</b>	MCP-120-00031-0N	-	Riser card bracket for SC812,813,813M,815,111,113,113M
<b>Air Shroud</b>	MCP-310-19009-0N	-	SC811, SC111, SC813M, SC113M, SC512F-280/350/410/520/600, SC513L-410/420, DP X9DBL ,X9 Mylar Air Shroud, 12"x10" MB
	MCP-310-19015-0N	-	SC813M,SC113M, DP X9DRL-EF/ X9DRL-7F/ X10DRL-i, X9/X10 mylar air shroud, 12"x10" MB,RoHS/REACH
<b>DVD-ROM / DVD-RW</b>	DVM-TEAC-DVD-SBT4	-	BLACK TEAC SLIM DVD ROM SATA DRIVE,HF,RoHS/REACH
<b>Front Bezel</b>	CSE-PTFB-813LB	-	BLACK SC813 FRONT BEZEL, PB FREE
<b>HDD Tray Converter</b>	MCP-220-00043-0N • <a href="#">eStore</a>	-	Black hotswap gen 4 3.5 to 2.5 HDD tray
<b>Mounting Rail</b>	CSE-PT52L • <a href="#">eStore</a>	-	Sliver chassis rail set for SC813M,515,113M
<b>Peripheral Drive(s)</b>	MCP-290-00036-0B	-	Black DVD dummy tray support 1x2.5 HDD for SC113,815,825,836
	MCP-220-83601-0B	-	Black FDD dummy tray support 1x2.5
	DVM-PNSC-DVD-SBT3	-	Black slim SATA DVD (8x DVD, 24x CDR), Panasonic
	MCP-220-00110-0B	-	Black USB/COM port tray in slim DVD bay,RoHS/REACH,PBF
<b>Rail</b>	MCP-290-00056-0N • <a href="#">eStore</a>	-	Short outer rail, /quick, optional for 1U 17.2

## Servers (for CSE-813MF2TQC-505CB)

[SYS-6019P-MT](#)

## Motherboard (for CSE-813MF2TQC-505CB)

[X11DPL-I](#)

[X12SPO-F](#)

[X12SPO-NTF](#)

● = Most optimized Chassis for SuperServer Configuration  
 Blue color = Compatible  
 Green color = Global SKU & Compatible  
 Red dot & green color = Optimized + Global SKU

