

RMS209 2U Rack Mount Computer Chassis Specifications

SuperChassis 825TQ-600LPB



▶ [Chassis Manual](#)
▶ [Optimization](#)

Key Features

1. 2U chassis supports for maximum motherboard sizes - 13.68" x 13", E-ATX 12" x 13", ATX 12" x 10" motherboards
 2. 8 x 3.5" hot-swap SAS/SATA drive bay w/ full SES-II support on SAS motherboards, 2 x 3.5" fixed drive bay
 3. 8-port 2U TQ (W/ AMI 9072) backplane, support up to 8x 3.5-inch SAS/SATA HDD
 4. 1U 600W platinum efficiency multiple output power supply w/PMBus
 5. 7 low-profile expansion slot(s)
 6. 3 x 8cm (7000 RPM) hot-swap PWM cooling fan(s)
-

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

Specifications

Product SKUs

- CSE-825TQ-600LPB** ■ SuperChassis 825TQ-600LPB

Form Factor

- 2U chassis supports for maximum motherboard sizes - 13.68" x 13", E-ATX 12" x 13", ATX 12" x 10" motherboards
-

Processor Support

- Dual and Single Intel® and AMD processors

Dimensions

- Height** ■ 3.5" (89 mm)
- Width** ■ 17.2" (437 mm)
- Depth** ■ 25.5" (647 mm)
- Gross Weight** ■ 52 lbs (23.59 kg)
- Packaging (W x H x L)** ■ 26.7" (678 mm) x 11.4" (290 mm) x 34.5" (876 mm)
- Available Color** ■ Black

Expansion Slots

- 7 low-profile expansion slot(s)

Drive Bays

- 8 x 3.5" hot-swap SAS/SATA drive bay w/ full SES-II support on SAS motherboards
- 2 x 3.5" fixed drive bay

Backplane

- 8-port 2U TQ (W/ AMI 9072) backplane, support up to 8x 3.5-inch SAS/SATA HDD

Peripheral Drives

- Optional 1 x slim DVD-ROM drive bay
- 2 x USB 2.0 ports
- 1 x COM port tray
- Optional 2 x USB 3.0 ports

Front Panel

- Buttons** ■ Power On/Off button
■ System Reset Button
- LEDs** ■ 2 Network Activity LEDs
■ HDD activity LED
■ Power Status LED
■ Power Fail LED
■ System Information LED

Systems Cooling

- Fans** ■ 3 x 8cm (7000 RPM) hot-swap PWM cooling 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 power 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-310-29001-0N	1	SC825/826/216/213 Intel DP X9,X8 air shroud 13.68x13/12x13
HD Backplane	BPN-SAS-825TQ	1	8-port 2U TQ (W/ AMI 9072) backplane, support up to 8x 3.5-inch SAS/SATA HDD
Cable(S)	CBL-0071L	1	ROUND 16 TO 16 PIN RIBBON FP CABLE 30"L, LF
Cable(S)	CBL-0157L	2	8PIN TO 8PIN RIBBON CABLE FOR SGPIO, PB FREE
Cable(S)	CBL-0160L	1	US POWER CORD 16AWG, PB FREE
Cable(S)	CBL-0180L-01	1	SATA SET OF 4-70/59/48/38CM ROUND S-RA, PBF
Cable(S)	CBL-0263L	1	77CM 9PIN TO 9PIN INTERNAL USB CABLE
CD-ROM & Accessory	MCP-290-00007-01	1	Black DVD dummy cover for SC825, 836
Fan(s)	FAN-0126L4	3	80x80x38 mm 7K RPM Chassis Middle Fan w/ Housing
Front Panel	FPB-FP836-D	1	Front control board Dual color LED(FP836-D)forSC823M,825,825M,828,829,835,836
Drive Tray(s)	MCP-220-00007-01	1	Black USB/COM port tray for SC825, 836
Drive Tray(s)	MCP-220-00075-0B	8	Black gen 5.5 hot-swap 3.5" HDD tray
Drive Tray(s)	MCP-220-82502-0B	2	Black fixed 3.5" HDD tray or FDD dummy tray
Part(s)	MCP-310-28005-1N	1	X8 air shroud universal component (part C)
Part(s)	MCP-310-29003-1N	1	X9 SC825/826/216/213 universal air shroud component,(part A)
Part(s)	MCP-310-29004-1N	1	X9 SC825/826/216/213 universal air shroud component, (B)
Part(s)	MCP-310-29005-1N	1	X9 SC825/826/216/213 universal air shroud component, (D,X9)
Part(s)	MCP-310-29006-1N	1	X9 SC825/826/216/213 universal air shroud component, (E)
Power Supply & Accessory	PWS-605P-1H	1	1U 600W Multi Output Power Supply Pmbus
Power Supply & Accessory	CSE-PT0130L	1	SC745 Power Supply Dummy Cover (76mm wide, 700W/800W/900W)
Mounting Rail(s)	MCP-290-00053-0N	1	Rail set, quick/quick, default for 2,3U 17.2";W
Rear Window	MCP-240-82506-0N	1	LP Rear Window for SC825,825M,826,213,216

Optional Parts List

	Part Number	Qty	Description
Rail	MCP-290-00058-0N	-	Short rail set, quick release, 19.6"~26.9" Extendable Length
Front USB	MCP-220-00114-0N	-	Black 2x USB3.0/COM port tray in slim DVD bay,RoHS/REACH
Front USB	MCP-220-00007-01	-	Black USB/COM port tray for SC825, 836
Tray(s)	MCP-290-00036-0B	-	Black DVD dummy tray support 1x2.5 HDD for SC113,815,825,836
Tray(s)	MCP-220-00023-01	-	Black USB dummy tray support 1x 2.5" slim HDD for SC825, 836
Tray(s)	MCP-220-82503-0B	-	Black slim FDD kit for SC825/829,828,835
Cable	CBL-0044L	-	SATA CABLE 57.5CM FLAT S-S PBF. 26AWG flat
Cable	CBL-0481L	-	81CM 30AWG SATA S-S cable
Cable	CBL-SAST-0699	-	internal mini SAS HD to 4 SATA 12G, 75/75/90/90cm w/75cm SB, S. 30AWG,RoHS/REACH
Cable	CBL-0082L	-	Y split , big 4 pin to two RA SATA power extension 15cm, 18AWG
Cable	CBL-0296L	-	4 pin to 4 pin fan extension cord, for PWM fan. 23cm. 24AWG
LCD/OLED Solutions	MCP-220-00119-0B	-	2nd Gen Black 3.5" OLED tray, support 1x internal 2.5" HDD
SATA DVD Kit	MCP-220-81502-0N	-	Slim SATA DVD mounting kit for SC213,219,813,815,818,819,825,828,829,836,842

HDD Tray Converter	MCP-220-00043-0N	-	Black hot-swap gen 4 3.5 to 2.5 HDD tray
DVD-ROM / DVD-RW	DVM-TEAC-DVD-SBT5	-	BLACK TEAC SLIM DVD SATA DRIVE, HF, RoHS
Peripheral Drive(s)	FPD-TEAC-SB	-	BLACK SLIM TEAC FLOPPY DRIVE FOR SC813
Front Bezel	MCP-210-82503-0B	-	Black SC825 front bezel

Motherboard (for CSE- 825TQ-600LPB)