

SuperChassis 835TQC-R1K03B



Key Features

1. 1000W Redundant High-efficiency Titanium Level Power Supplies
 2. 8x 3.5" Hot-swap SAS3/SATA3 drive bays; space to support 2x 5.25" Drive Bays & 1x Slim DVD
 3. Optional hot-swap Slim HDD/SSD drive Kit and Mobile Racks for additional storage
 4. 7x Full-height, Full-length Expansion Slots
 5. Five Fans (3 middle, 2 rear) & Adjustable Air Shroud for 100% Cooling Redundancy
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[▶ Chassis Manual](#)

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

Specifications

Product SKUs

- CSE-835TQC-R1K03B
- SuperChassis 835TQC-R1K03B

Form Factor

- 3U chassis support for motherboard size - E-ATX and ATX.

Processor Support

- Dual and Single Intel® and AMD processors

Dimensions

- Height 5.2" (132 mm)
- Width 17.2" (437 mm)
- Depth 25.5" (647 mm)
- Gross Weight 75 lbs (34.02 kg)
- Packaging (W x H x L) 26.6" (676 mm) x 13" (330 mm) x 33.9" (861 mm)
- Available Color Black

Expansion Slots

- 7 full-height & full-length expansion slot(s)

Drive Bays

- 8 x 3.5" hot-sw ap SAS/SATA

Backplane

- 3U 8-Port Backplane Supports 8 x 3.5"; SAS3/SATA3 HDD/SSD for X11 Platform

Peripheral Drives

- 1 x slim DVD-ROM drive bay

Front Panel

- Buttons
 - Power On/Off button
 - System Reset Button
- LEDs
 - 2 Network Activity LEDs
 - HDD activity LED
 - Power LED
 - Power Fail LED
 - System Overheat LED

Systems Cooling

- Fans
 - 3 x 80mm Hot-sw ap PWM Fans
 - 2 x 80mm rear hot-sw ap exhaust PWM fan(s)

System Monitoring

- Chassis intrusion switch

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 800/1000W Redundant Titanium Single Output Power Supply W/PMbus

- Power Efficiency 96%
- Total Output Power and Input
 - 800W with Input 100 - 127Vac
 - 1000W with Input 200 - 240Vac
 - 1000W with Input 200 - 240Vdc
- AC Input Frequency 50-60Hz
- Dimensions (L x W x H) 336 x 76 x 40 mm
- Output Type Backplanes (gold finger)
- +12V
 - Max: 66.7A (100Vac - 127Vac)
 - Max: 83A (200Vac - 240Vac)
 - Max: 83A (200 - 240)
- +5Vsb
 - Max: 4A / Min: 0A
- Power Distributor
 - PDB-PT825-8824
 - O/P: 12V/75
 - +5V Max: 30
 - +3.3V Max: 24
 - -12V Max: 0.6

Certification



■ Titanium 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
Air Shroud	MCP-310-39001-0N	1	SC835/836/936 Intel DP X9-X10 PC air shroud 1368x13/12x13MB
HD Backplane	BPB-SAS3-833A	1	3U 8-Port Backplane Supports 8 x 3.5"; SAS3/SATA3 HDD/SSD for X11 Platform
Cable(S)	CBL-0071L	1	CBL,FRONT CNTL,16 TO 16 PIN,RA,RND TUBE,75CM,28AWG
Cable(S)	CBL-0216L	5	4 PIN TO 4 PIN MIDDLE FAN POWER EXTENSION, 20cm. 24AWG(PWM)
Fan(s)	FAN-0125L4	2	80x32 mm 6.7K RPM SC836 Rear Exhaust Fan w / Housing
Fan(s)	FAN-0126L4	3	80x80x38 mm 7K RPM Chassis Middle Fan w / Housing
Drive Tray(s)	MCP-220-00009-01	2	Black 5.25"; drive tray w/o rail (square pattern)
Drive Tray(s)	MCP-220-00075-0B	8	Black gen 5.5 hot-sw ap 3.5"; HDD tray
Power Distributor	PDB-PT825-8824	1	SC825 24PIN REDUNDANT POWER DISTRIBUTOR
Power Supply & Accessory	PWS-1K03A-1R	2	1U 1000W Redundant Power Supply Titanium W/PMbus 76x40x336mm,RoHS/REACH
Mounting Rail(s)	MCP-290-00053-0N	1	Rail set, quick/quick, default for 2,3U 17.2";W

Optional Parts List

	Part Number	Qty	Description
Rail	MCP-290-00058-0N	-	Ball bearing quick release rail for shor-depth rack (19"~26.6")
HDD Tray Converter	MCP-220-00118-0B	-	Black gen-5.5 tool-less 3.5-to-2.5 converter drive tray,RoHS/REACH
HDD Kit	MCP-220-81506-0N	-	12G 2.5-in Hot-sw ap Slim DVD Size Drive Kit with Status LED
DVD-ROM / DVD-RW	DVM-TEAC-DVD-SBT4	-	BLACK TEAC SLIM DVD ROM SATA DRIVE,HF,RoHS/REACH
Mobile Rack	CSE-M14TQC	-	Black SAS3/SATA3 Mobile Rack for 4x 2.5
Mobile Rack	CSE-M28SAB-OEM	-	Black SAS/SATA Mobile Rack for 8x 2.5" HDD w/o fan module
Mobile Rack	CSE-M28SACB-OEM	-	Black SAS3/SATA3 Mobile Rack for 8x 2.5" HDD w/o fan module,HF,RoHS/REACH,PBF
LCD Module	MCP-220-00095-0B	-	Black 5.25 LCD tray w/o rail, support 1x 3.5 HDD
Front Bezel	MCP-210-83501-0B	-	Black Front Bezel for SC835