

SuperChassis 743TQ-903B-SQ



Key Features

1. 8x 3.5"/2.5" SAS/SATA Backplane for Hot-Swappable Drives
2. Whisper-Quiet (<28dB)
3. Front HDD Door Lock & Side Panel Intrusion Switch
4. Front I/O Ports: 2x USB 3.0
5. 2x 8cm PWM Fans & 1x 9cm Rear PWM Fan
6. 4U / Full Tower Chassis Supports max. Motherboard, Sizes: E-ATX 12" x 13"/ATX/Micro ATX
7. 903W 80-Plus Gold Certified High-Efficiency Power Supply
8. 3x 5.25" External HDD Drive Bays & 8x 3.5"/2.5" Hot-Swappable HDD Drives

▶ [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-743TQ-903B-SQ
- SuperChassis 743TQ-903B-SQ

Form Factor

- 4U chassis - supports for maximum motherboard sizes: 12" x 13" E-ATX and ATX

Processor Support

- Dual and Single Intel® and AMD processors

Dimensions

- **Height** 17.8" (452 mm)
- **Width** 7" (178 mm)
- **Depth** 25.5" (647 mm)
- **Net Weight** 53 lbs (24.04 kg)
- **Gross Weight** 56 lbs (25.4 kg)
- **Packaging (W x H x L)** 24.6" (625 mm) x 14" (356 mm) x 31.3" (795 mm)
- **Available Color** Black

Expansion Slots

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

Drive Bays

- 8 x 3.5"/2.5" hot-sw ap SAS drive bay with SES3

Backplane

- 743 SAS BACKPLANE W/AMI MG9072

Peripheral Drives

- 3 x standard 5.25" drive bay
- 90 degree rotatable drive cage

Front Panel

- **Buttons**
 - Power On/Off button
 - System Reset Button
- **LEDs**
 - 2 Network Activity LEDs
 - Fan Fail/System Over Heat LED
 - HDD activity LED
 - Power Status LED
 - Unit Identification (UID) LED
- **Ports**
 - 2x USB 3.0 Port(s)

Systems Cooling

- **Fans**
 - 2 x 2800 RPM fan(s)
 - 1 x 2700 RPM 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

PS2/ATX 900W multiple outputs power supply, Gold level, 12cm fan

- **Power Efficiency** 90%
- **Total Output Power and Input** 900W with Input 100 - 240Vac
- **AC Input Frequency** 50-60Hz
- **Dimensions (L x W x H)** 190 x 150 x 86 mm
- **Output Type** 24pin ATX
- **-12V** Max: 0.5A / Min: 0A
- **+12V**
 - Max: 25A / Min: 0.1A (100Vac - 240Vac)
 - Max: 25A / Min: 0.1A (100Vac - 240Vac)
 - Max: 25A / Min: 0.1A (100Vac - 120Vac)
 - Max: 25A / Min: 0.1A (100Vac - 240Vac)
- **+5V** Max: 25A / Min: 0A
- **+3.3V** Max: 25A / Min: 0A
- **+5Vsb** Max: 4A / Min: 0.02A
- **+12Vsb** Max: NAA

Certification



Gold 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
HD Backplane	CSE-SAS-743TQ	1	743 SAS BACKPLANE W/AMI MG9072
Cable(S)	CBL-0044L	4	57.5CM SATA FLAT S-S PBF
Cable(S)	CBL-0084	1	16 PIN FRONT CTRL SPLIT CONNECTOR 6"
Cable(S)	CBL-0087	1	CBL,FRONT CNTL,16 TO 16 PIN,Ribbon,50CM
Cable(S)	CBL-0157L	1	8PIN TO 8PIN RIBBON CABLE FOR SGPIO, PB FREE
Cable(S)	CBL-0160L	1	US POWER CORD 16AWG, PB FREE
Cable(S)	CBL-0216L	4	4 TO 4 PIN FAN POWER CABLE, 210MM
Cable(S)	CBL-0471L	1	USB3.0 Internal Cable-80cm (19pin Female to 19pin Female)
Fan(s)	FAN-0103L4	1	92x25 4Pin PWM Fan assembly for SC743 Super Quiet rear fan
Fan(s)	FAN-0104L4	2	80x25,4 Pin PWM fan assem. for SC743 Super Quiet chassis fan
Drive Tray(s)	MCP-220-00193-0N	8	
Power Supply & Accessory	PWS-903-PQ	1	PS2 900W Multi-Output Power Supply 80Plus Gold

Optional Parts List

	Part Number	Qty	Description
Mounting Rail	CSE-PT26L-(B)	-	
HDD Tray	MCP-220-00080-0B	-	Adaptor HDD carrier to install 2.5" HDD in 3.5" HDD tray
Air Shroud	MCP-310-49002-0N	-	SC743 Intel DP X9, X8 PC air shroud 12x13MB
Air Shroud	MCP-310-48002-0N	-	Intel DP X8, X7 motherboard air shroud for passive CPU heatsink
Air Shroud	MCP-310-74301-0N	-	Air Shroud For SC743-SQ
Cable	CBL-0157L	-	8 pin to 8 pin ribbon SGPIO cable with tube , 40cm, PBF
Cable	CBL-0286L	-	4 to 4 pin rear fan power ext w / square header, 30cm (PWM). 24AWG
Fan Kit	FAN-0082L4	-	80x80x38 mm 4-pin PWM Fan Assembly for SC743, SC745
Fan Kit	FAN-0091L4	-	92X38MM 4-PIN PWM FAN W/ HUS FOR SC743
Heatsink / Retention	-	-	Please refer to our Thermal Components Matrix
Peripheral Drive(s)	DVM-LITE-DVDRW24-HBT	-	BLACK LITE-ON 5.25" HH 24X DVD-RW SATA DRIVE PBF
Active Heatsink	SNK-P0034AP4	-	4U+ ACTIVE CPU HS FOR SC743 W/ X7 DP WS MB