

SuperChassis 743TQ-1200B-SQ



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Key Features

1. 8x 3.5" SAS/SATA Backplane for Hot-Swappable Drives
 2. Whisper-Quiet (<27dB)
 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. 1200W **Platinum Level** Certified High-Efficiency Power Supply
 8. 3x 5.25" External HDD Drive Bays & 8x 3.5" Hot-Swappable HDD Drives
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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-1200B-SQ**
- SuperChassis 743TQ-1200B-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" hot-sw ap SAS/SATA drive bay w ith SGPIO

Backplane

- 743 SAS BACKPLANE W/AMI MG9072

Peripheral Drives

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

Front Panel

- | | |
|----------------|---|
| Buttons | ■ Pow er On/Off button
■ System Reset Button |
| LEDs | ■ 2 Netw ork Activity LEDs
■ Fan Fail/System Over Heat LED
■ HDD activity LED
■ Pow er Status LED
■ Unit Identification (UID) LED |
| Ports | ■ 2x USB 3.0 Port(s) |

Systems Cooling

- | | |
|-------------|--|
| Fans | ■ 2 x 80mm PWM Chassis Middle Fans
■ 1 x 92mm PWM Rear fan(s) |
|-------------|--|

Operating Environment (System)

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|--|--------------------------------|
| 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 1000/1200W Multi-output pow er supply, platinum level, Super quiet W/PMbus

- | | |
|-------------------------------------|--|
| Power Efficiency | ■ 93% |
| Total Output Power and Input | ■ 1000W w ith Input 100 - 114.9Vac
■ 1200W w ith Input 114.9 - 240Vac |
| AC Input Frequency | ■ 50-60Hz |
| Dimensions (L x W x H) | ■ 185 x 150 x 86 mm |
| Output Type | ■ 24pin ATX |
| -12V | ■ Max: 0.3A / Min: 0A |
| +12V | ■ Max: 83A / Min: 1A (100Vac - 115Vac)
■ Max: 99A / Min: 1A (115Vac - 240Vac) |
| +5V | ■ Max: 20A / Min: 0.3A |
| +3.3V | ■ Max: 20A / Min: 0.3A |
| +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
HD Backplane	CSE-SAS-743TQ	1	743 SAS BACKPLANE W/AMI MG9072
Cable(S)	CBL-0044L	4	SATA,INT,FLAT,57.7CM,26AWG
Cable(S)	CBL-0084	1	Front control cable 16 pin split, 6
Cable(S)	CBL-0087	1	CBL,FRONT CNTL,16 TO 16 PIN,Ribbon,50CM
Cable(S)	CBL-0160L	1	NEMA5-15P to C13 US power cord 16AWG 6ft, PBF (default for high watt)
Cable(S)	CBL-0216L	4	4 PIN TO 4 PIN MIDDLE FAN POWER EXTENSION, 20cm. 24AWG(PWM)
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-220-00081-0N	1	3.5" dummy HDD (hollow -panned) for MCP-220-00075-0B,RoHS/REACH,PBF
Drive Tray(s)	MCP-220-00092-0B	8	Black Hot-sw ap 3.5inch HDD Tray (w/o logo)
Part(s)	MCP-110-00020-0N	2	#632*5L flat head screw (for hot-sw ap 3.5" HDD tray)
Power Supply & Accessory	PWS-1K25P-PQ	1	PS2 1200W Multi Output High Efficiency P

Optional Parts List

	Part Number	Qty	Description
Mounting Rail	CSE-PT26L-(B)	-	
Cable	CBL-0157L	-	8 pin to 8 pin ribbon SGPIO cable with tube , 40cm, PBF
Cable	CBL-0454L	-	USB 3.0 to 2.0 Adapter Cable 30cm (19 pin Male to 9 pin Female). 28/24AWG
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
HDD Tray	MCP-220-00080-0B	-	Black hotsw ap gen 2 3.5 to 2.5 HDD tray

Motherboard (for CSE- 743TQ-1200B-SQ)

<u>X9DA7</u>	<u>X9DAE</u>	<u>X9DAi</u>	<u>X9SRA</u>
<u>X9SAE</u>	<u>X9SAE-V</u>	<u>X10SAE</u>	<u>C7Z87</u>
<u>C7Z87-OCE</u>	<u>X10SRA-F</u>	<u>X10SRA</u>	<u>X11SSA-F</u>
<u>X11SAE</u>	<u>X11SAE-F</u>	<u>X11SAE-M</u>	<u>X11SAT</u>
<u>X11SAT-F</u>	● <u>C7Z170-OCE</u>	● <u>C7Z170-SQ</u>	<u>X11SSI-LN4F</u>

● = Most optimized Chassis for SuperServer Configuration

Blue color = Compatible

Green color = Global SKU & Compatible

Red dot & green color = Optimized + Global SKU

Servers (for CSE- 743TQ-1200B-SQ)

7047A-73

7047A-T

7048A-T