

SuperChassis 743AC-1200B-SQ



► **Chassis Manual**
► **Optimization**

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

Key Features

1. 8x 3.5" SAS3/SATA3 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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Specifications

Product SKUs

- **CSE-743AC-1200B-SQ**
- SuperChassis 743AC-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

- 8-port 4U/Tow er 3.5-inch SAS3/SAS2/SATA3 12Gbps backplane for SC743/SC745 chassis

Peripheral Drives

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

Front Panel

- **Buttons** Power On/Off button
- System Reset Button

- **LEDs** 2 Netw ork 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 80mm PWM Chassis Middle Fans
- 1 x 92mm PWM Rear 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

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	BP-N-SAS3-743A	1	8-port 4U/Tow er 3.5-inch SAS3/SAS2/SATA3 12Gbps backplane for SC743/SC745 chassis
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 pow er cord 16AWG 6ft, PBF (default for high w att)
Cable(S)	CBL-0216L	4	4 PIN TO 4 PIN MIDDLE FAN POWER EXTENSION, 20cm. 24AWG(PWM)
Cable(S)	CBL-SAST-0631	2	MINI SAS HD-4 SATA,6G,INT,RF,Cross Over,55CM,55CM SB,30AWG
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- 743AC-1200B-SQ)

<u>X11SSH-E</u>	<u>X11SSH-LN4F</u>	<u>X11SSZ-TLN4F</u>	<u>X11SSZ-E</u>
<u>X11SSZ-QF</u>	<u>X11SAE</u>	<u>X11SAE-F</u>	<u>X11SAE-M</u>
<u>X11DAI-N</u>	<u>C9X299-PGF</u>	<u>X11SRA</u>	<u>X11SRA-F</u>
<u>X11SRA-RF</u>	<u>X11DAC</u>	<u>X11SSL-F</u>	<u>X11SSL-CF</u>
<u>X11SSL-nF</u>	<u>X11SSL</u>	<u>X11SSM-F</u>	<u>X11SSM</u>
<u>X11SSH-CTF</u>	<u>X11SSH-TF</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- 743AC-1200B-SQ)

7049A-T

