

SuperChassis 846BE1C8-R1K23B4



Key Features

- Optimized chassis cooling with redundant cooling fans and adjustable air shroud
- 24x 3.5" hot-swap SAS/SATA drive bays supporting SAS3/2 or SATA3 HDDs with 12Gbps throughput
- Redundant 1200W Titanium Level power supply
- E1C8: Single SAS3 (12Gbps) expander plus 8 x NVMe backplane
- Mini SAS HD (SFF 8643) connectivity on backplane
- Palletized packaging for easy shipping and handling

Specifications

Product SKUs SuperChassis 846BE1C8-R1K23B4
Form Factor 4U chassis support for max. motherboard size - EE-ATX (13.68" x 13"), E-ATX (12" x 13"), ATX (12" x 10")
Processor Support Dual and Single Intel® and AMD processors
Dimensions Height 7" (178 mm) Width 17.2" (437 mm) Depth 26" (660 mm) Gross Weight 75 lbs (34.02 kg) Packaging (W x H x L) 34.3" (871 mm) x 26.5" (673 mm) x 13.5" (343 mm) Available Color Black
Expansion Slots 7x Full-height, Full-length expansion slot(s)
Drive Bays 24x 3.5" hot-swap drive bay
Backplane 24-Port 4U Expander Backplane Support up-to 16x 3.5" SAS3/SATA3 HDD/SSD and 8 x SAS3/SATA3/NVMe Storage Devices
Peripheral Drives Optional 2x 2.5" hot-swap drive bay Optional 2x 2.5" internal fixed drive bay Optional 1x 3.5" internal fixed drive bay
Front Panel Button Power On/Off button System Reset button LED Power status LED HDD activity LED 2 Network Activity LEDs Unit Identification (UID) LED Fan Fail/System Over Heat LED

Systems Cooling Fans 2x 80mm rear hot-swap exhaust PWM fan(s) 3x 8cm hot-swap redundant PWM cooling 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 1200W/1000W Titanium Power Supply W/PMbus W76xL336xH40mm Power Efficiency 96% Total Output Power and Input 1200W with Input 200 - 240Vac 1000W with Input 100 - 127Vac 1200W 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: 100A / Min: 0A (200Vdc - 240Vdc) Max: 100A / Min: 0A (200Vac - 240Vac) Max: 83A / Min: 0A (100Vac - 127Vac) +5Vsb Max: 4A / Min: 0A Power Distributor PDB-PT846-2824 O/P: 12V/135 +5V Max: 50A +3.3V Max: 24A -12V Max: 0.6A 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

Air Shroud	
Part Number	MCP-310-49003-0N
Qty	1
Description	SC846 Intel DP X9, X8 PC air shroud 1368x13/12x13MB
HD Backplane	
Part Number	BPN-SAS3-846EL1-N8
Qty	1
Description	4U 24-Port LFF Expander Backplane support up to 16 SAS3/SATA3 and 8 SAS3/SATA3/NVMe Storage Media
Cable(s)	
Part Number	CBL-0071L
Qty	1
Description	ROUND 16 TO 16 PIN RIBBON FP CABLE 30"L, LF
Cable(s)	
Part Number	CBL-0160L
Qty	2
Description	US POWER CORD 16AWG, PB FREE
Cable(s)	
Part Number	CBL-PWEX-1078
Qty	5
Description	PWEX,FAN,1X4/P2.5 TO 1X4/P2.54,20CM,22AWG,5A/PIN,RoHS
Part(s)	
Part Number	MCP-120-00116-0N
Qty	7
Description	Blank FH L-bracket with 4x4 vent holes
Part(s)	
Part Number	MCP-230-82501-0N
Qty	1
Description	Top cover for SC213,216,825,826,835,836,936,846
Part(s)	
Part Number	MCP-290-84606-0V
Qty	1
Description	Silver right chassis handle for SC846, 848
Part(s)	
Part Number	MCP-290-84608-0N
Qty	1
Description	Dual HDD opening dummy cover for 846B chassis
Part(s)	
Part Number	MCP-290-84615-0V
Qty	1
Description	
Part(s)	
Part Number	MCP-270-84601-0N
Qty	1
Description	
Part(s)	
Part Number	MCP-290-00088-0N
Qty	1
Description	SC119 Intrusion assembly
Fan(s)	
Part Number	FAN-0185L4
Qty	3
Description	80x80x38 mm, 10.5K RPM, Hot- swappable Middle Cooling Fan for X11 Generation SC846B Chassis
Fan(s)	
Part Number	FAN-0212L4
Qty	2
Description	80x80x32 mm, 9.7K RPM Rear Exhaust Fan for SC836B and SC846B
Front Panel	
Part Number	FPB-TB826-T
Qty	1
Description	Chassis transfer board for SC826
Drive Tray(s)	
Part Number	MCP-220-00075-0B
Qty	24
Description	Black gen 5.5 hot-swap 3.5" HDD tray
Power Distributor	
Part Number	PDB-PT846-2824
Qty	1
Description	PDB with 23pairs input connector support SC846B
Power Supply & Accessory	
Part Number	PWS-1K23A-1R
Qty	2
Description	AC-DC 1200W, Titanium Level, Redundancy, 1U, PMBUS 1.2, +12V/+5Vsb, 336x76x40 mm,HF,RoHS/REACH
Power Supply & Accessory	
Part Number	MCP-290-84604-0N
Qty	1

Description	SC846 PDB Cover
Mounting Rail(s)	
Part Number	MCP-290-00057-0N
Qty	1 set
Description	Rail set, quick/quick, default for 4U 17.2" W
Mounting Rail(s)	
Part Number	MCP-410-00007-0N
Qty	1
Description	Rail screw bag
Rear Window	
Part Number	MCP-240-84604-0N
Qty	1
Description	X12 846B rear window support 2 X 2.5"HDD and PCIe holder

Optional Parts

Drive Trays	
Part Number	MCP-220-84601-0N
Qty	-
Description	Single 3.5" Fixed HDD Tray (RA cables required)
DVD-ROM / DVD-RW	
Part Number	MCP-220-84607-0N
Qty	-
Description	Optional DVD kit for SC846B series chassis
HDD Kit	
Part Number	MCP-220-84610-0N
Qty	-
Description	2G 2.5-inch x2 Drive Kit w/ Status LED for 846B
HDD Tray Converter	
Part Number	MCP-220-00118-0B • eStore
Qty	-
Description	Black gen-5.5 tool-less 3.5-to-2.5 converter drive tray,RoHS/REACH
Short Rail	
Part Number	MCP-290-00058-0N • eStore
Qty	-
Description	19" to 26.6" rail set, Quick Release, Tool-less (for rev. K4 or later)

Motherboard (for CSE-846BE1C8-R1K23B4)

Motherboard Name	
	X12DPi-NT6 X12DPi-N6
● = Most optimized Chassis for SuperServer Configuration	
Blue color = Compatible	
Green color = Global SKU & Compatible	
Red dot & green color = Optimized + Global SKU	