



Key Features

- 100% cooling redundancy, 24x 3.5" Hot-swap SAS2/SATA3 Drive Bays
- Redundant 1200W Titanium Level high efficiency power supply & 5 hot-plug redundant cooling fans w/adjustable air shroud
- Single SAS3 (12Gbps) expander backplane
- Mini SAS HD (SFF8643) connectivity;
- Support two 1000W BBP
- Support up to 13 FH FL expansion slots
- High Availability PS, Storage Capacity, and numerous I/O slots

Specifications

Product SKUs

SuperChassis 846XE1C-R1K23B

Form Factor

4U chassis support for max. motherboard size - 13.68" x 13" E-ATX, 12" x 10" ATX and and 15.2" x 13.2"

Processor Support

Dual and Single Intel® and AMD processors

Dimensions

Packaging (W x H x L)

N/A

Available Color

Black

Expansion Slots

7x Full-height, Full-length expansion slot(s)

4x Full-height, Half-length expansion slot(s)

Drive Bays

24x 3.5" hot-swap drive bay

Backplane

24-Port 4U SAS3 12Gbps single-expander backplane, support up to 24x 3.5-inch SAS3/SATA3 HDD/SSD

Peripheral Drives

Optional 4x 2.5" internal fixed drive bay

Optional 2x 3.5" internal fixed drive bay

2x 2.5" hot-swap drive bay

Front Panel

Button

Power On/Off button

System Reset button

LED

Power status LED

HDD activity LED

Power Fail LED

2 Network Activity LEDs

Fan Fail/System Over Heat LED

Systems Cooling

Fans

1x 8cm hot-swap exhaust fan(s) & air shroud

4x 92x38mm Hot-Swap Cooling Fans

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-PT418-B6824

O/P: 12V/256

+5V Max: 50A

+3.3V Max: 30A

-12V Max: 0.6A

Certification



(<http://www.plugloadsolutions.com/80PlusPowerSuppliesDetail.aspx?id=69&type=2>)

id=69&type=2) 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-310-84602-0N
Qty	1
Description	Air shroud for SC846X (Optimized for X9DRX)
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HD Backplane	
Part Number	BPN-SAS3-846EL1
Qty	1
Description	24-port 4U SAS3 12Gbps single-expander backplane, support up to 24x 3.5-inch SAS3/SATA3 HDD/SSD
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Cable(s)	
Part Number	CBL-0071L
Qty	1
Description	ROUND 16 TO 16 PIN RIBBON FP CABLE 30"L, LF
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Cable(s)	
Part Number	CBL-0088L
Qty	4
Description	10.5" 4PIN FAN POWER CORD FOR 743X-645,PBF
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Cable(s)	
Part Number	CBL-0174L
Qty	2
Description	14AWG USA POWER CORD 6FT PB FREE
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Cable(s)	
Part Number	CBL-0216L
Qty	1
Description	4 TO 4 PIN FAN POWER CABLE, 210MM
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Cable(s)	
Part Number	CBL-0217L
Qty	1
Description	16PIN CNTL PANEL CONVERTER CBL FOR SC826,PBF
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Part(s)	
Part Number	MCP-220-84609-0N
Qty	1
Description	846X rear tray for 2 hot swap HDD (MCP-220-82609-0N)
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Part(s)	
Part Number	MCP-230-84801-0N
Qty	1
Description	Top cover for SC848,418,418G
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Part(s)	
Part Number	MCP-290-84603-0N
Qty	1
Description	SC846 HDD Backplane Bracket
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Part(s)	
Part Number	MCP-290-84607-0V
Qty	1
Description	Silver chassis handle set for SC846, 848
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Part(s)	
Part Number	MCP-290-00088-0N
Qty	1
Description	SC119 Intrusion assembly
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Fan(s)	
Part Number	FAN-0115L4
Qty	4
Description	92x92x38 mm, 7.5K RPM, PWM Fan for SC748 rev K
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Fan(s)	
Part Number	FAN-0125L4
Qty	1
Description	80x32 mm 6.7K RPM SC836 Rear Exhaust Fan w/ Housing
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Front Panel	
Part Number	MCP-280-82601-0N
Qty	1
Description	Front control board adapter (TB826) for SC216,826,936,846
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Drive Tray(s)	
Part Number	MCP-290-82607-0N
Qty	1
Description	826B/216B rear dummy cover for 2 X 2.5
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Drive Tray(s)	
Part Number	MCP-220-00075-0B
Qty	24
Description	Black gen 5.5 hot-swap 3.5" HDD tray
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Power Distributor	
Part Number	PDB-PT418-B6824
Qty	1
Description	Power Distributor Board for SC418 to support Battery and GPU option
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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
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Power Supply & Accessory

Part Number	CSE-PT0130L
Qty	2
Description	SC745 Power Supply Dummy Cover (76mm wide, 700W/800W/900W)

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-290-00060-0N
Qty	1
Description	Threaded rail adapter default for round hole rack

Rear Window

Part Number	MCP-240-84603-0N
Qty	1
Description	846X rear window

Optional Parts

Cable

Part Number	CBL-PWEX-0581
Qty	-
Description	8 pin to two 6+2 pin 12V GPU power cable, 65 cm 16/20 AWG, HF, RoHS/REACH, PBF

Fan Kit

Part Number	MCP-320-00046-0N-KIT •eStore (https://store.supermicro.com/mcp-320-00046-0n-kit.html).
Qty	-
Description	Rear fan kit (8.2K RPM fan) for SC747B, 835X, 836BH

HDD Kit

Part Number	MCP-220-00044-0N •eStore (https://store.supermicro.com/mcp-220-00044-0n.html).
Qty	-
Description	Dual 2.5" fixed HDD bracket for SC502, 503, 510, 512, 515U

HDD Tray

Part Number	MCP-220-82616-0N (/products/accessories/drivekit/MCP-220-82616-0N.php). •eStore (https://store.supermicro.com/mcp-220-82616-0n-rear-drive-kit.html).
Qty	-
Description	12G 2.5x2 Drive Kit w/ Status LED (216B/826B/417B/846X/847B)

Short Rail

Part Number	MCP-290-00058-0N •eStore (https://store.supermicro.com/2u-5u-rail-kit-mcp-290-00058-0n.html).
Qty	-
Description	Short rail set, quick release, 19.6"-26.9" Extendable Length

Motherboard (for CSE-846XE1C-R1K23B)

Motherboard Name

X9DRX+ - [F X11DPX-T \(/en/products/motherboard/X11DPX-T\)X10DRX](#)

● = Most optimized Chassis for SuperServer Configuration

Blue color = Compatible

Green color = Global SKU & Compatible

Red dot & green color = Optimized + Global SKU

Global SKU ([/en/products/SMC_global_skus](#))