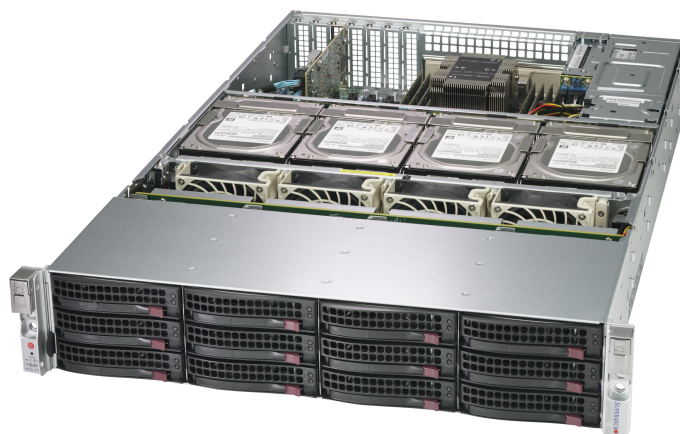


SuperChassis 829HE1C4-R1K02LPB



Key Features

- 2U chassis supports for maximum motherboard sizes - 13.68" x 13.4", E-ATX 12" x 13", ATX 12" x 10" motherboards
- 16 x 3.5" hot-swap SAS3/SATA drive bay, optional 2 x 2.5" hot-swap SAS/SATA drive bay
- 12-Port 2U Backplane with Expander support up to 8 x 3.5" SAS3/SATA3 HDD/SDD and 4 x SAS3/SATA3/NVMe Storage Devices, HF, RoHS/REACH
- 4-port internal SAS3 12Gbps backplane, support up to 4x 3.5-inch SAS3/SATA3 HDD/SSD
- 1U 800/1000W Redundant Single Output Power Supply Titanium Level, CRPS 203mm length
- 7 low-profile expansion slot(s)
- 4 x 80x38mm hot-swap cooling fan(s)

Specifications

Product SKUs

SuperChassis 829HE1C4-R1K02LPB

Form Factor

2U chassis supports for maximum motherboard sizes - 13.68" x 13.4", E-ATX 12" x 13", ATX 12" x 10" motherboards

Processor Support

Dual and Single Intel® and AMD processors

Dimensions

Height

3.5" (89 mm)

Width

17.2" (437 mm)

Depth

27.75" (705 mm)

Gross Weight

62 lbs (28.12 kg)

Net Weight

41.5 lbs (18.82 kg)

Packaging (W x H x L)

25.9" (658 mm) x 10.8" (274 mm) x 39.3" (998 mm)

Available Color

Black

Expansion Slots

7x Low-profile expansion slot(s)

Drive Bays

Optional 2x 2.5" hot-swap SAS/SATA drive bay

16x 3.5" hot-swap SAS3/SATA drive bay

Backplane

12-Port 2U Backplane with Expander support up to 8 x 3.5" SAS3/SATA3 HDD/SDD and 4 x SAS3/SATA3/NVMe Storage Devices, HF, RoHS/REACH

4-Port internal SAS3 12Gbps backplane, support up to 4x 3.5-inch SAS3/SATA3 HDD/SSD

Front Panel

Button

Power On/Off button

System Reset button

LED

Power status LED

System Information LED

Power Fail LED

2 Network Activity LEDs

HDD Fail LED

Systems Cooling

Fans

4x 80x38mm hot-swap 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 - 60°C (-40°F - 140°F)

Operating Relative Humidity Range

8% - 90% (non-condensing)

Non Operating Relative Humidity Range

5% - 95% (non-condensing)

Power Supply

1U 800/1000W Redundant Single Output Power Supply Titanium Level, CRPS 203mm length

Power Efficiency

96%

Total Output Power and Input

800W with Input 100 - 127Vac

1000W with Input 200 - 240Vac

1000W with Input 200 - 240Vdc

AC Input Frequency

50-60Hz

Dimensions (L x W x H)

203 x 73.5 x 40 mm

Output Type

Backplanes (gold finger)

+12V

Max: 66.7A / Min: 0A (100Vac - 127Vac)

Max: 83A / Min: 0A (200Vac - 240Vac)

Max: 83A (200Vdc - 240Vdc)

+12Vsb

Max: 2.1A / Min: 0A

Power Distributor

PDB-PT829H-2824

O/P: 12V/120A

+5V Max: 45A

+3.3V Max: 24A

-12V Max: 0.6A

Certification



(<http://www.plugloadsolutions.com/80PlusPowerSuppliesDetail.aspx?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-310-82901-0B
Qty	1
Description	Mylar 1U air shroud for SC829H
Air Shroud	
Part Number	MCP-310-82928-0B
Qty	1
Description	Mylar 2U air shroud for SC829H rear CPU
HD Backplane	
Part Number	BPN-SAS3-826EL1-N4
Qty	1
Description	12-Port 2U Backplane with Expander support up to 8 x 3.5" SAS3/SATA3 HDD/SDD and 4 x SAS3/SATA3/NVMe Storage Devices,HF,RoHS/REACH
HD Backplane	
Part Number	BPN-SAS3-829HA-A4
Qty	1
Description	4-port internal SAS3 12Gbps backplane, support up to 4x 3.5-inch SAS3/SATA3 HDD/SSD
Cable(s)	
Part Number	CBL-0160L
Qty	2
Description	US POWER CORD 16AWG, PB FREE
Cable(s)	
Part Number	CBL-0217L
Qty	1
Description	16PIN CNTL PANEL CONVERTER CBL FOR SC826,PBF
Part(s)	
Part Number	MCP-120-00062-0N
Qty	7
Description	Blank LP L-bracket (5x5 square hole)
Part(s)	
Part Number	MCP-120-82920-0N
Qty	1
Description	Mid tray side support BKT for SC829H
Part(s)	
Part Number	MCP-230-82902-0N
Qty	1
Description	Top middle cover for SC829H
Part(s)	
Part Number	MCP-230-82903-0N
Qty	1
Description	Top rear cover for SC829H
Part(s)	
Part Number	MCP-290-00088-0N
Qty	1
Description	SC119 Intrusion assembly
Part(s)	
Part Number	MCP-290-82909-0V
Qty	1
Description	2U Auto-latch left handle for SC829H
Part(s)	
Part Number	MCP-290-82921-0V
Qty	1
Description	SC829H Auto-latch right handle
Fan(s)	
Part Number	FAN-0118L4
Qty	4
Description	80 x 80 x 38 mm, 9.5K RPM, 4-pin PWM Fan, Hot
Front Panel	
Part Number	MCP-280-00018-0N
Qty	1
Description	SC826 front control board adapter
Drive Tray(s)	
Part Number	MCP-290-82607-0N
Qty	1
Description	826B/216B rear dummy cover for 2 X 2.5
Drive Tray(s)	
Part Number	MCP-220-00075-0B
Qty	12
Description	Black gen 5.5 hot-swap 3.5" HDD tray
Drive Tray(s)	
Part Number	MCP-220-82902-0N
Qty	1
Description	Middle tray plate for SC829H
Drive Tray(s)	
Part Number	MCP-220-82903-0N
Qty	4
Description	Internal mid tray with handle for SC829H
Power Distributor	

Part Number PDB-PT829H-2824
Qty 1
Description 2U standard output with 24Pin PDB support up to

Power Supply & Accessory

Part Number PWS-1K02A-1R
Qty 2
Description 1U 1000W Redundant Power Supply
73.5mm width Titanium
Level,RoHS/REACH

Mounting Rail(s)

Part Number MCP-290-00053-0N-01
Qty 1
Description 36"; Rail set for Auto-latch, quick/quick,
2, 3U 17.2";W

Optional Parts

Adaptor Bracket

Part Number MCP-120-82503-0N •eStore
(<https://store.supermicro.com/cable-arm-adapter-mcp-120-82503-0n.html>),

Qty -
Description Cable arm adapter for SC825LP,213LP
(MCP-290-00073-0N
required),HF,RoHS/REACH,PBF

Cable

Part Number	CBL-SAST-0972 •eStore (https://store.supermicro.com/supermicro-70cm-oculink-to-minisas-hd-cable-cbl-sast-0972.html),	CBL-SAST-0929 •eStore (https://store.supermicro.com/supermicro-57cm-oculink-to-minisas-hd-cable-cbl-sast-0929.html),
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Qty	-	-
Description	OCuLink controller to MiniSAS HD backplane V.91,INT,PCIe NVMe SSD, 70CM,34AWG	OCuLink controller to MiniSAS HD backplane V.91,INT,PCIe NVMe SSD, 57CM,34AWG

Cable Management Arm

Part Number MCP-290-00073-0N •eStore
(<https://store.supermicro.com/2u-3u-4u-cable-management-arm-mcp-290-00073-0n-1.html>),

Qty -
Description Supermicro Cable Management Arm for
2U, 3U and 4U chassis

HDD Kit

Part Number MCP-220-82616-0N
([/products/accessories/drivekit/MCP-220-82616-0N.php](https://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)

HDD Tray Converter

Part Number	MCP-220-00118-0B •eStore (https://store.supermicro.com/mcp-220-00118-0b.html),	MCP-220-00043-0N •eStore (https://store.supermicro.com/mcp-220-00043-0n.html),
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Qty	-	-
Description	Black gen-5.5 tool-less 3.5-to-2.5 converter drive tray,RoHS/REACH	Black hot-swap gen 4 3.5 to 2.5 HDD tray

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

Tray(s)

Part Number MCP-220-00138-0B •eStore
(<https://store.supermicro.com/mcp-220-00138-0b.html>),

Qty -
Description Black gen-5.5 tool-less NVMe 3.5-to-2.5
drive tray, Orange tab

Motherboard (for CSE-829HE1C4-R1K02LPB)

Motherboard Name

► H11SSL-NC (/en/products/motherboard/H11SSL-NC) ► H11SSL-i (/en/products/motherboard/H11SSL-i) ► H11SSL-C (/en/products/motherboard/H11SSL-C)X10DRH-CT

● = Most optimized Chassis for SuperServer Configuration

Blue color = Compatible

Green color = Global SKU & Compatible

Red dot & green color = Optimized + Global SKU