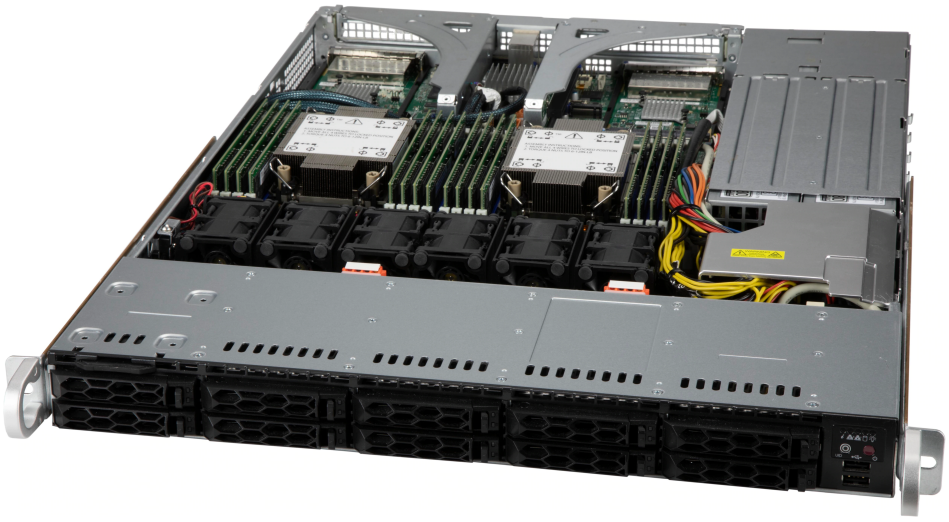
SuperChassis LB16AC10-R860AW



Key Features

1. **SAS3 12Gb/s and NVMe support**
   1U Optimized for CloudDC motherboard with S-AIOM support, support MB size up to 12.3" x 13.4"
2. 10 x 2.5"(tool-less) hot-swap SAS3/SATA drive bay
3. SAS or enterprise SATA HDD only recommended
4. 1U 10-Slot SFF Backplane Supports SAS3/SATA3/NVMe
5. 1U 860W Redundant power supply Platinum level, 24Pin output
6. 2x full-height & full-length expansion slot(s) 2x AIOM expansion slot(s)
7. 4 x 40x56mm counter-rotation PWM fan(s) by default, 2 x as optional
8. Support Service Tag for system information

Specifications

Product SKUs

CSE-LB16AC10-R860AW	SuperChassis LB16AC10-R860AW

Form Factor

- 1U Optimized for Cloud-DC motherboard with AIOM support, support MB size up to 12.3" x 13.4"

Processor Support

- Dual and Single Intel® and AMD processors

Dimensions

Height	1.7" (43 mm)
Width	17.2" (437 mm)
Depth	23.5" (597 mm)
Gross Weight	40 lbs (18.14 kg)
Packaging (W x H x L)	23.7" (602 mm) x 7.7" (196 mm) x 31.8" (808 mm)
Available Color	Black

Expansion Slots

- 2x Full-height expansion slot(s)
- 2x AIOM expansion slot(s)

Drive Bays

- 10x 2.5" hot-swap SAS3/SATA drive bay

Backplane

- 10-Port 1U SFF Hybrid Backplane Supports 10xSAS3/SATA3/NVMe4 Storage Devices with 1x(2x4) + 2x(1x4) + 1x(2x2) Power Connectors

Front Panel

Button	Power On/Off button Unit Identification (UID) button
LED	Power status LED HDD activity LED 2 Network Activity LEDs Unit Identification (UID) LED
Port	2x USB 2.0 Port(s)

Systems Cooling

Fans	4x 40x56mm counter-rotation PWM 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

800W/860W 1U redundant power supply

Power Efficiency	94+%
Total Output Power and Input	860W with Input 200 - 240Vac 800W with Input 100 - 127Vac 860W with Input 200 - 240Vdc
AC Input Frequency	50-60Hz
Dimensions (L x W x H)	322 x 54.5 x 40.25 mm
Output Type	Backplanes (gold finger)
+12V	Max: 71.6A / Min: 0A (200Vac - 240Vac) Max: 66.6A / Min: 0A (100Vac - 127Vac)
+5Vsb	Max: 4A / Min: 0A
Power Distributor	PDB-PT112-S2424 O/P: 12V/54 +5V Max: 25A +3.3V Max: 25A -12V Max: 0.6A
Certification	80 PLUS PLATINUM **Platinum Certified**

Regulatory (Power Supply)

Power Supply Safety / EMC	BSMI CCC CE/EMC UL/CB UL/CUL

Components

Standard Parts List

	Part Number	Qty	Description
HD Backplane	BPN-SAS3-LB16A-N10	1	1U 10-Slot SFF Hybrid Backplane Supports 10xSAS3/SATA3/NVMe4 Storage Devices with 1x(2x4) + 2x(1x4) + 1x(2x2) Power Connectors
Cable(s)	CBL-CDAT-0680-55	1	NCSI,2x10F to 2x10F,IDC,PH2.54,55cm,shield,28AWG,RoHS
Cable(s)	CBL-CUSB-1001-57	1	[NR] USB2.0,2x5,PH2.54 to 2x5,PH2.54,57CM,28AWG
Cable(s)	CBL-PWCD-0160-IS	2	PWCD,US,NEMA5-15P TO IEC60320 C13,6FT,16AWG,RoHS/REACH
Part(s)	MCP-120-00116-0N	2	Blank FH L-bracket with 4x4 vent holes
Part(s)	MCP-230-00060-0N	1	1U AWIO top cover with 1 mylar for CSE-LB13, LB16 AW
Part(s)	MCP-240-00175-0N	2	S-AIOM Dummy Cover for 1U chassis
Part(s)	MCP-240-00177-0N	2	S-AIOM metal cage for 1U chassis
Part(s)	MCP-240-00179-0N	1	1U X12 AWIO Riser card bracket (Left) for LA15,LB16,LB13 AW
Part(s)	MCP-240-00180-0N	1	1U X12 AWIO Riser card bracket (Right) for LA15,LB16,LB13 AW
Part(s)	MCP-290-00088-0N	1	SC119 Intrusion assembly
Part(s)	MCP-270-11604-0N	1	1U chassis base for CSE-LB16 AWIO, Redundant PWS
Fan(s)	FAN-0101L4	4	40x56,4 Pin PWM,Primary for SC809,111, Sec.for SC816,819,808
Front Panel	FPB-FP116	1	Front control board for SC116 (USB 2.0 x 2)
Cooling Fan & Accessory	MCP-320-00056-0B	24	40X56 rubber fan pin for SC819U, SC119U,RoHS/REACH
Cooling Fan & Accessory	MCP-320-00066-0B	1	Fan holder with cable channel, 40X56mm fan, for LA15,LB16,LB13
Cooling Fan & Accessory	MCP-340-00035-0B	2	Dummy fan 40x56mm for 40x56 counter-rotating fan (cost-effective)
Drive Tray(s)	MCP-220-00188-0B	10	Black gen-5.5 tool-less cost-effective 2.5" HDD tray (no dummy)
Power Distributor	PDB-PT116-SL8824	1	Based on PDB-PT116-L8824 to optimize 24Pin etc cable lengths
Part(s)	MCP-320-00067-0B	1	Chassis base Air Foam block set (L+R) for Cloud-DC
Part(s)	MCP-160-00028-0B	1	Mylar Cable Channel for Cloud-DC, X12 DDW
Power Supply & Accessory	MCP-250-00009-0N	1	SC113 Redundant Power Distributor Cover
Power Supply & Accessory	PWS-860P-1R2	2	1U 860W, Redundant power supply, 54.5mm width, Platinum with
Mounting Rail(s)	MCP-290-00063-0N	1set	Rail set, quick/quick, default for 1U 17.2"W for SC113/SC116,RoHS/REACH
Rear Window	MCP-240-00173-0N	1	1U X12 AWIO Rear window for LA15,LB16,LB13 Redundant PWS

Optional Parts List

	Part Number	Qty	Description
Rail	MCP-290-00056-0N • eStore	-	Quick-release outer rail for square hole short-depth rack (19"~26.4")

Motherboard (for **CSE-LB16AC10-R860AW**)

X12DDW-A6

● = *Most optimized Chassis for SuperServer Configuration*
Blue color = Compatible
Green color = Global SKU & Compatible
Red dot & green color = Optimized + Global SKU