

# SuperChassis 826BAC12-R1K23LPB

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## Key Features

1. 2U chassis support max. motherboard size - ATX 12" x 10", E-ATX 12" x 13", EE-ATX 13" x 13.68" with rear 2.5" HDD option installed
  2. 12 x 3.5" hot-swap drive bay, optional 2 x 2.5" hot-swap drive bay  
12x SAS3/SATA3/NVMe4 storage devices
  3. 2U 12-Slot LFF Backplane Supports 12 x SAS3/SATA3/NVMe4 Storage Devices with 1x(2x4) + 4x(1x4) power connectors, co-lay with BPN-SAS3-LA26A-N12,HF,RoHS
  4. 1U 1200W/1000W Titanium Power Supply W/PMbus W76xL336xH40mm
  5. 7 low-profile expansion slot(s)
  6. 3 x 8cm high-performance PWM fan(s)
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# Specifications

## Product SKUs

- **CSE-826BAC12-R1K23LPB** ■ SuperChassis 826BAC12-R1K23LPB

## Form Factor

- 2U chassis support max. motherboard size - ATX 12" x 10", E-ATX 12" x 13", EE-ATX 13" x 13.68" with rear 2.5" HDD option installed

## Processor Support

- Dual and Single Intel® and AMD processors

## Dimensions

- **Height** 3.5" (89 mm)
- **Width** 17.2" (437 mm)
- **Depth** 25.5" (647 mm)
- **Gross Weight** 55 lbs (24.95 kg)
- **Net Weight** 40 lbs (18.14 kg)
- **Packaging (W x H x L)** 26.7" (678 mm) x 11.4" (290 mm) x 34.5" (876 mm)
- **Available Color** Black

## Expansion Slots

- 7x Low-profile expansion slot(s)

## Drive Bays

- Optional 2x 2.5" hot-swap drive bay
- 12x 3.5" hot-swap drive bay
- 12x SAS3/SATA3/NVMe4 storage devices

## Backplane

- 12-Port 2U LFF Backplane Supports 12 x SAS3/SATA3/NVMe4 Storage Devices with 1x(2x4) + 4x(1x4) power connectors, co-lay with BPN-SAS3-LA26A-N12,HF,RoHS

## 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** 3x 8cm high-performance PWM 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-PT826-8824  
O/P: 12V/135  
+5V Max: 40A  
+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

	Part Number	Qty	Description
<b>Air Shroud</b>	MCP-310-29001-0N	1	SC825/826/216/213 Intel DP X9,X8 air shroud 13.68x13/12x13
<b>HD Backplane</b>	BPN-SAS3-LA26A-N12	1	2U 12-Slot LFF Backplane Supports 12 x SAS3/SATA3/NVMe4 Storage Devices with 1x(2x4) + 4x(1x4) power connectors, co-lay with BPN-SAS3-LA26A-N12,HF,RoHS
<b>Cable(s)</b>	CBL-CDAT-0607	1	[NR] FRONT CNTL,20 TO 20 PIN, P0.5, FFC,FLAT, 23.5CM, STD
<b>Cable(s)</b>	CBL-PWCD-0160-IS	2	PWCD,US,NEMA5-15P TO IEC60320 C13,6FT,16AWG,RoHS/REACH
<b>Cable(s)</b>	CBL-PWEX-1078	3	PWEX,FAN,1X4/P2.5 TO 1X4/P2.54,20CM,22AWG,5APIN,RoHS
<b>Part(s)</b>	MCP-120-00115-0N	7	Blank LP L-bracket with 4x4 vent holes
<b>Part(s)</b>	MCP-230-82602-0N	1	Top cover for SC826B/216B/825B
<b>Part(s)</b>	MCP-290-82604-0V	1	Silver right chassis handle for SC826,HF,RoHS/REACH,PBF
<b>Part(s)</b>	MCP-290-82617-0V	1	SC826B left chassis handle w/ RESET mylar for FPB-FP826-T
<b>Fan(s)</b>	FAN-0166L4	3	80x80x38 mm, 13.5K RPM, Optional Middle Cooling Fan for 2U Ultra Series Servers (Hot-swappable Version of FAN-0162L4)
<b>Fan(s)</b>	FAN-0206L4	3	80x80x38 mm, 13.5K RPM, Middle Cooling Fan for 2U and above Servers
<b>Front Panel</b>	FPB-TB826-T	1	Chassis transfer board for SC826
<b>Drive Tray(s)</b>	MCP-220-00075-0B	12	Black gen 5.5 hot-swap 3.5" HDD tray
<b>Power Distributor</b>	PDB-PT826-8824	1	PDB with longer 24pin for SC826B
<b>Power Supply &amp; Accessory</b>	PWS-1K23A-1R	2	AC-DC 1200W, Titanium Level, Redundancy, 1U, PMBUS 1.2, +12V/+5Vsb, 336x76x40 mm,HF,RoHS/REACH
<b>Mounting Rail(s)</b>	MCP-290-00053-0N	1	Rail set, quick/quick, default for 2,3U 17.2";W
<b>Mounting Rail(s)</b>	MCP-290-00060-0N	1	Threaded rail adapter default for round hole rack
<b>Rear Window</b>	MCP-240-82608-0N	1	216B/826B LP rear window,RoHS/REACH,PBF

## Optional Parts List

	Part Number	Qty	Description
<b>Front Bezel</b>	MCP-210-82601-0B • <a href="#">eStore</a>	-	Black Front Bezel for 826 chassis
<b>HDD Kit</b>	<a href="#">MCP-220-82616-0N</a> • <a href="#">eStore</a>	-	12G 2.5x2 Drive Kit w/ Status LED(216B/826B/417B/846X/847B)
<b>Short Rail</b>	MCP-290-00058-0N • <a href="#">eStore</a>	-	Short rail set, quick release, 19.6"~26.9" Extendable Length
<b>Tray(s)</b>	MCP-220-00116-0B • <a href="#">eStore</a>	-	Black gen-5 3.5-to-2.5 NVMe drive tray, Orange tab (for hotswap NVMe drive),RoHS/REACH
	MCP-220-00118-0B • <a href="#">eStore</a>	-	Black gen-5.5 tool-less 3.5-to-2.5 converter drive tray,RoHS/REACH

## Motherboard (for CSE-826BAC12-R1K23LPB)

[X12DPi-N6](#)

[X12DPi-NT6](#)

● = Most optimized Chassis for SuperServer Configuration

Blue color = Compatible

Green color = Global SKU & Compatible

Red dot & green color = Optimized + Global SKU