

SuperChassis 826BE1C-R920LPB



► **Chassis Manual**
► **Optimization**

Note: Image above may show a varied configuration of optional parts. Please refer to parts list for standard parts included.

Key Features

1. 2U chassis support max. motherboard size - ATX 12" x 10", E-ATX 12" x 13", EE-ATX 13" x 13.68". Support up to ATX 12"x13" MB with rear 2.5" HDD option installed
 2. 12 x 3.5" hot-swap SAS/SATA drive bay with SES3, optional 2 x 2.5" hot-swap drive bay
 3. 12-port 2U SAS3 12Gbps single-expander backplane, support up to 12x 3.5-inch SAS3/SATA3 HDD/SSD
 4. 1U 920W Redundant Platinum Super Quiet power supply W/PMbus
 5. 7 low-profile expansion slot(s)
 6. 3 x 8cm high-performance PWM fan(s)
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Specifications

Product SKUs

- CSE-826BE1C-R920LPB
 - SuperChassis 826BE1C-R920LPB

Form Factor

- 2U chassis support max. motherboard size - ATX 12" x 10", E-ATX 12" x 13", EE-ATX 13" x 13.68".
- Support up to ATX 12"x13" MB 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)
- 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

- 7 low-profile expansion slot(s)

Drive Bays

- 12 x 3.5" hot-sw ap SAS/SATA drive bay with SES3
- Optional 2 x 2.5" hot-sw ap drive bay

Backplane

- 12-port 2U SAS3 12Gbps single-expander backplane, support up to 12x 3.5-inch SAS3/SATA3 HDD/SSD

Front Panel

- Buttons
 - Power On/Off button
 - System Reset Button
- LEDs
 - 2 Network Activity LEDs
 - Fan Fail/System Over Heat LED
 - HDD activity LED
 - Power Status LED
 - Unit Identification (UID) LED

Systems Cooling

- Fans
 - 3 x 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 920W Redundant Platinum Super Quiet power supply W/PMBus

- Power Efficiency
 - 94%
- Total Output Power and Input
 - 920W with Input 100 - 240Vac
- AC Input Frequency
 - 50-60Hz
- Dimensions (L x W x H)
 - 336 x 76 x 40 mm
- Output Type
 - Backplanes (gold finger)
- 12V
 - Max: NAA
- +12V
 - Max: 75A / Min: 1A (100Vac - 240Vac)
- +5Vsb
 - Max: 4A / Min: 0A
- +12Vsb
 - Max: NAA
- Power Distributor
 - PDB-PT826-8824
 - O/P: 12V/135
 - +5V Max: 40
 - +3.3V Max: 24
 - 12V Max: 0.6

- Certification
 -  Platinum Certified

Regulatory (Power Supply)

- Power Supply Safety / EMC
 - BSMI
 - CCC
 - CE/EMC
 - FCC class B
 - TUV/CB
 - UL/CUL

Components

Standard Parts List

	Part Number	Qty	Description
Air Shroud	MCP-310-29001-0N	1	SC825/826/216/213 Intel DP X9,X8 air shroud 13.68x13/12x13
HD Backplane	BNP-SAS3-826EL1	1	12-port 2U SAS3 12Gbps single-expander backplane, support up to 12x 3.5-inch SAS3/SATA3 HDD/SSD
Cable(S)	CBL-0160L	2	NEMA5-15P to C13 US power cord 16AWG 6ft, PBF (default for high watt)
Fan(s)	FAN-0126L4	3	80x80x38 mm 7K RPM Chassis Middle Fan w/ Housing
Drive Tray(s)	MCP-220-00075-0B	12	Black gen 5.5 hot-sw ap 3.5"; HDD tray
Power Distributor	PDB-PT826-8824	1	PDB with longer 24pin for SC826B
Power Supply & Accessory	PWS-920P-SQ	2	920W 1U Redundant PWS W/ Quiet Mode
Mounting Rail(s)	MCP-290-00053-0N	1	Rail set, quick/quick, default for 2,3U 17.2";W
Rear Window	MCP-240-82608-0N	1	216B/826B LP rear window ,RoHS/REACH,PBF

Optional Parts List

	Part Number	Qty	Description
HDD Kit	MCP-220-82609-0N	-	Rear 2 X 2.5" HDD kit for 826B series chassis (cables & backplane included)
Fan Kit	MCP-320-82603-0N	-	6cm fan cooling module for 826B/216B
Hard Drive Carrier	MCP-220-00043-0N	-	3.5" convert to 2.5" HDD Tray
Short Rail	MCP-290-00058-0N	-	Short rail set, quick release, 19.6"~26.9" Extendable Length
Front Bezel	MCP-210-82601-0B	-	Black Front Bezel for 826 chassis
HDD Kit	MCP-220-82616-0N	-	12G 2.5x2 Drive Kit w / Status LED (216B/826B/417B/846X/847B
HDD Tray Converter	MCP-220-00118-0B	-	Black gen-5.5 tool-less 3.5-to-2.5 converter drive tray,RoHS/REACH

Motherboard (for CSE- 826BE1C-R920LPB)

● <u>X10DRI-LN4+</u>	● <u>X10DRI-T4+</u>	● <u>X10DRC-T4+</u>	● <u>X10DRC-LN4+</u>
● <u>X10DRI</u>	● <u>X10SRH-CLN4F</u>	● <u>X10DRI-T</u>	<u>X10DRH-I</u>
● <u>X10DRH-IT</u>	● <u>X10DRH-CT</u>	● <u>X10DRH-C</u>	X10DRH-ILN
● <u>X10DRH-CLN4</u>			

● = Most optimized Chassis for SuperServer Configuration

Blue color = Compatible

Green color = Global SKU & Compatible

Red dot & green color = Optimized + Global SKU

Servers (for CSE- 826BE1C-R920LPB)

<u>5028R-E1CR12L</u>	<u>6028R-E1CR12L</u>	<u>6028R-E1CR12H</u>	<u>6028R-E1CR12N</u>
<u>6028R-E1CR12T</u>			