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*We want you to get the maximum performance from your products. So if you run into technical difficulties, we are here to help. For the most frequently asked questions, you can easily find answers in your product documentation. These answers are normally a lot more detailed than the ones we can give over the phone.*

*So please consult this manual first. If you still cannot find the answer, gather all the information or questions that apply to your problem, and with the product close at hand, call your dealer. Our dealers are well trained and ready to give you the support you need to get the most from your Chenbro products. In fact, most problems reported are minor and are able to be easily solved over the phone.*

*In addition, free technical support is available from Chenbro engineers every business day. We are always ready to give advice on application requirements or specific information on the installation and operation of any of our products.*

## Hardware Specification

### **SATA Backplane:**

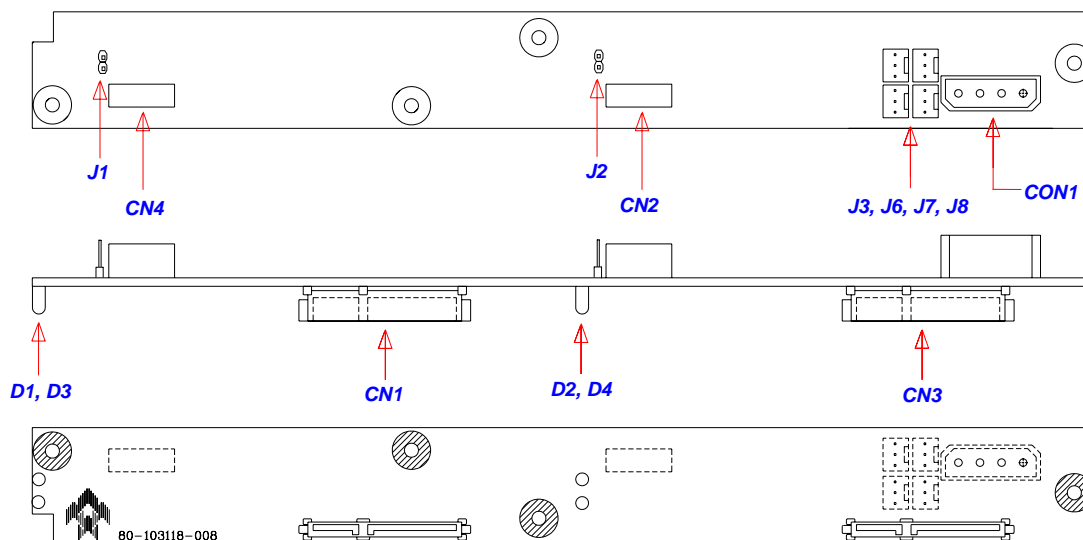
- 4 fan connectors (3 pins): each support 12V current up to 750mA (max power)
- 2 SATA HBA connectors for host connection
- 2 SATA HDD connectors for hard drive connection
- 2 standard big-4P (Molex device connector) power inlets
- 2 LEDs for HDD power indication

## Accommodation Chassis

- RM311 (4 pcs for 8 SATA HDDs)
- RM11802 (1 pcs for 2 SATA HDDs)
- RM12302 (1 pcs for 2 SATA HDDs)
- RM11602 (1 pcs for 2 SATA HDDs)

## Backplane Layout

### **Backplane Connectors**



- (1) [CN1 / CN3] : Connect SATA HDD
- (2) [CN2 / CN4] : Connect SATA HBA
- (4) [J3 / J6 / J7 / J8] : Fan connectors
- (5) [CON1] : Power connector
- (5) [J1 / J2] : SATA active LED connection (Note1)

(6) [D1 / D2] : HDD LED indication (Note2)

**Note:**

- (1) **MUST** work with specific SATA (RAID) card, and need specific cable for connection.
- (2) Backplane Rev. 1.3 support 2x HDD LED (power, activity), and earlier version backplane supports only single HDD power LED.

**Pin Assignment**

**[CN1 / CN3]**

Pin	Def.	Pin	Def.	Pin	Def.	Pin	Def.	Pin	Def.
S1	GND	S6	B+	P1	N/C	P6	GND	P11	Reserved
S2	A+	S7	GND	P2	N/C	P7	+5V	P12	GND
S3	A-			P3	N/C	P8	+5V	P13	+12V
S4	GND			P4	GND	P9	+5V	P14	+12V
S5	B-			P5	GND	P10	GND	P15	+12V



SATA HDD Connector

**[CN2 / CN4]**

Pin	Def.	Pin	Def.
S1	GND	S5	B-
S2	A+	S6	B+
S3	A-	S7	GND
S4	GND		



HDD\_HBA Connector

**[J3 / J6 / J7 / J8]**

Pin	Def.
1	GND
2	+12V
3	Sensor



FAN Connector

**[CON1]**

Pin	Def.
1	+5V
2	GND
3	GND
4	+12V



Power Connector

## **Backplane Assembly**

The Chenbro 2-Port SATA Backplane can be assembly on Chenbro Rackmount Server Chassis (RM11802, RM12302, RM11602, RM311), please refer to the Chassis Installation Guide for the necessary information.

## **Relative Part Number List**

<b>Part No.</b>	<b>Description</b>	<b>Unit</b>	<b>Remark</b>
83-803118-014	2-Port Hot Swap SATA Backplane Kit (for RM11802)	Pcs	
83-803311-012	4x 2-Port Hot Swap SATA Backplane Kit (for RM311)	Pack	
26-123215-001	Flat SATA Cable, 560mm	Pcs	
26-123215-002	Flat SATA Cable, 700mm	Pcs	
84-311810-027	2-Port Hot Swap SATA Backplane Kit (Bulk pack, for RM11802)	Pack	
84-331110-011	4x 2-Port Hot Swap SATA Backplane Kit with mounting bracket (for RM311, 20 pcs/carton)	Carton	