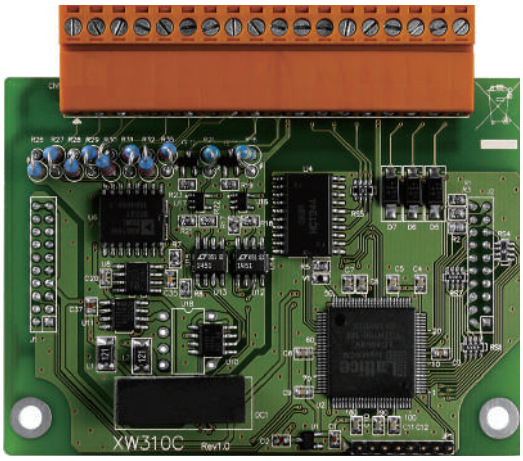


XW310C

4/8-ch Current Input, 2-ch Current Output, 3-ch DI and 3-ch DO Expansion Board

Features

- 4 Differential/8- Single-Ended ch Non-Isolated Current Input
- 2-ch Non-Isolated Current Output
- 3-ch Non-Isolated Digital Input
- 3-ch Non-Isolated Digital Output

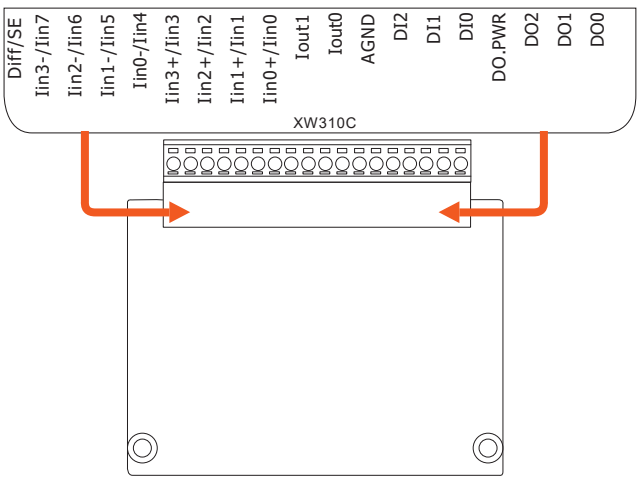
Introduction

The XW-board series are for uPAC-5000, LP-51xx, and WP-51xx series.

One PAC can only plug only one XW-board.

XW310C is a 4-channel Differential/8-channel Single-Ended Analog Input, 2-channel Analog Output, 3-channel Digital Output and 3-channel Digital Input XW-board.

Pin Assignments

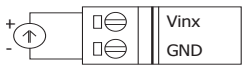
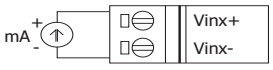
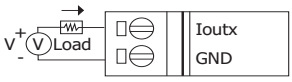
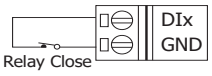
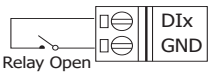
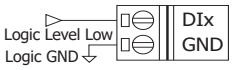
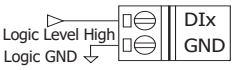
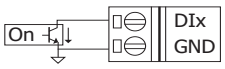
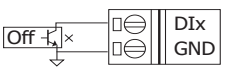
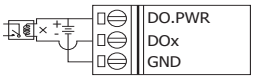
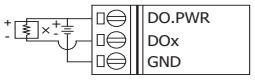


Specifications

Analog Input		
Channels		4/8
Range		0 ~ 20 mA
Resolution		12-bit
Sampling Rate		4 KHz
Input Impedance		125 ohm
Overvoltage Protection		±30 VDC
Isolation		non-isolated
Analog Output		
Output Channels		2
Range		0 ~ 20 mA
Resolution		12-bit
Output Capacity		20 mA
Isolation		non-isolated
Digital Input		
Input Channels		3
Contact		Dry
Dry Contact	ON Voltage Level	Close to GND
	OFF Voltage Level	Open
Overvoltage Protection		30 VDC
Digital Output		
Output Channels		3
Type		Open Collector
Sink/Source (NPN/PNP)		Sink
Load Voltage		+10 VDC ~ 40 VDC
Max. Load Current		200 mA/channel at 25 °C
Overload Protection		1.4 A
Power		
Consumption		0.4 W
Mechanical		
Dimensions (mm)		66 mm x 82 mm x 13 mm (W x L x H)
Environmental		
Operating Temperature		-25 ~ +75 °C
Storage Temperature		-30 °C ~ +75 °C
Humidity		10 ~ 95% RH, Non-condensing

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Wire Connections

<table>
<tr><th colspan="3">Current Input Wire Connection</th></tr>
<tr><td rowspan="2">Input Type</td><td>Single-ended</td><td>Differential</td></tr>
<tr><td>
</td><td>
</td></tr>
<tr><th colspan="3">Current Output Wire Connection</th></tr>
<tr><td>Output Type</td><td colspan="2">
</td></tr>
<tr><th colspan="3">Digital Input Wire Connection</th></tr>
<tr><td>Input Type</td><td>DI Value as 0</td><td>DI Value as 1</td></tr>
<tr><td rowspan="2">Relay Contact</td><td>Relay ON</td><td>Relay OFF</td></tr>
<tr><td>
</td><td>
</td></tr>
<tr><td rowspan="2">TTL/CMOS Logic</td><td>Voltage < 1V</td><td>Voltage > 3.5V</td></tr>
<tr><td>
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</td></tr>
<tr><td rowspan="2">Open Collector</td><td>Open Collector ON</td><td>Open Collector OFF</td></tr>
<tr><td>
</td><td>
</td></tr>
<tr><th colspan="3">Digital Output Wire Connection</th></tr>
<tr><td>Output Type</td><td>DO Command as 1</td><td>DO Command as 0</td></tr>
<tr><td rowspan="2">Drive Relay</td><td>Relay ON</td><td>Relay OFF</td></tr>
<tr><td>
</td><td>
</td></tr>
<tr><td rowspan="2">Resistance Load</td><td></td><td></td></tr>
<tr><td>
</td><td>
</td></tr>
</table>

Ordering Information

XW310C CR	4/8-ch Current Input, 2-ch Current Output, 3-ch DI (Dry) and 3-ch DO (Sink, NPN, 10 ~ 40 VDC) Expansion Board (RoHS)

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