

## XW310

4-ch Voltage Input, 2-ch Voltage Output, 3-ch DI and 3-ch DO Expansion Board

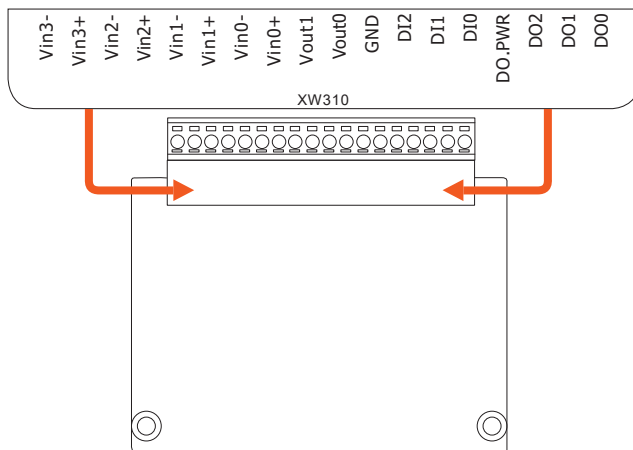
### Introduction

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

One PAC can only plug only one XW-board.

XW310 is a 4-channel Analog Input, 2-channel Analog Output, 3-channel Digital Output and 3-channel Digital Input XW-board.

### Pin Assignments



### Features

- 4-ch Non-Isolated Voltage Input
- 2-ch Non-Isolated Voltage Output
- 3-ch Non-Isolated Digital Input
- 3-ch Non-Isolated Digital Output



### Specifications

Analog Input		
Channels	4	
Range	±10 V	
Resolution	12-bit	
Sampling Rate	4 KHz	
Input Impedance	1 M Ohm	
Over voltage Protection	±30 VDC	
Isolation	non-isolated	
Analog Output		
Output Channels	2	
Range	±10 V	
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	0.9 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	

## Wire Connections

Voltage Input Wire Connection		
Input Type		
Voltage Output Wire Connection		
Output Type		
Digital Input Wire Connection		
Input Type	DI Value as 0	DI Value as 1
Relay Contact	Relay ON 	Relay OFF 
TTL/CMOS Logic	Voltage < 1V 	Voltage > 3.5V 
Open Collector	Open Collector ON 	Open Collector OFF 
Digital Output Wire Connection		
Output Type	DO Command as 1	DO Command as 0
Drive Relay	Relay ON 	Relay OFF 
Resistance Load		

## Ordering Information

<b>XW310 CR</b>	4-ch Voltage Input, 2-ch Voltage Output, 3-ch DI (Dry) and 3-ch DO (Sink, NPN, 10 ~ 40 VDC) Expansion Board (RoHS)
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