

XW509

2-port Non-Isolated RS-232, 4-ch Isolated DI and 4-ch Isolated DO Expansion Board

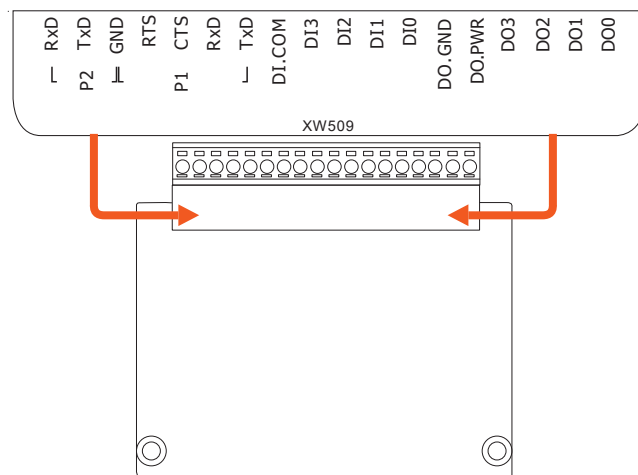
Introduction

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

One PAC can only plug only one XW-board.

XW509 is a 2-port Non-Isolation RS-232 with 4-channel Isolation Digital Input and 4-channel Isolation Digital Output XW-board.

Pin Assignments



Features


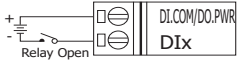
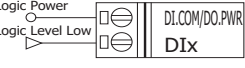
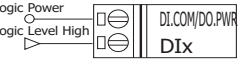

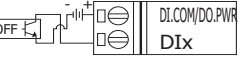
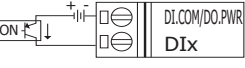



- 2-port Non-Isolation 5-wire RS-232
- Baud rates from 1,200 up to 115,200 bps
- 16C550 compatible
- Internal 16-byte Hardware FIFO for each Port
- 4-ch Isolated Digital Input
- Digital Input for Sink Type or Source Type
- 4-ch Isolated Digital Output
- Sink-type Digital Output



Specifications

Digital Input		
Channels	4	
Type	Wet	
Sink/Source (NPN/PNP)	Sink/Source	
Wet Contact	ON Voltage Level	+10 VDC ~ +50 VDC
	OFF Voltage Level	+4 VDC Max.
Isolation	3750 Vrms	
Input Impedance	10 K Ohm	
Overvoltage Protection	60 VDC	
Digital Output		
Channels	4	
Contact	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	
Isolation	3750 Vrms	
COM Ports		
Ports	RS-232 x 2	
Parity	None, Even, Odd, Mark, Space	
Data Bit	5, 6, 7, 8	
Stop Bit	1, 1.5, 2	
FIFO Size	16 bytes	
Power		
Consumption	0.5 W Max.	
Mechanical		
Dimensions (mm)	66 mm x 82 mm x 17 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

Digital Input Wire Connection		
Input Type	ON State LED ON Readback as 0	OFF State LED OFF Readback as 1
Relay Contact	Relay ON 	Relay OFF 
	Voltage > 10V 	Voltage < 4V 
NPN Output	Open Collector ON 	Open Collector OFF 
	PNP Output	Open Collector ON 
Digital Output Wire Connection		
Output Type	DO Command as 1	DO Command as 0
Drive Relay	Relay ON 	Relay OFF 
	Resistance Load	

Ordering Information

XW509 CR	2-port Non-Isolated RS-232, 4-ch Isolated DI (Wet) and 4-ch Isolated DO (Sink, NPN, 10 ~ 40 VDC) Expansion Board (RoHS)
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