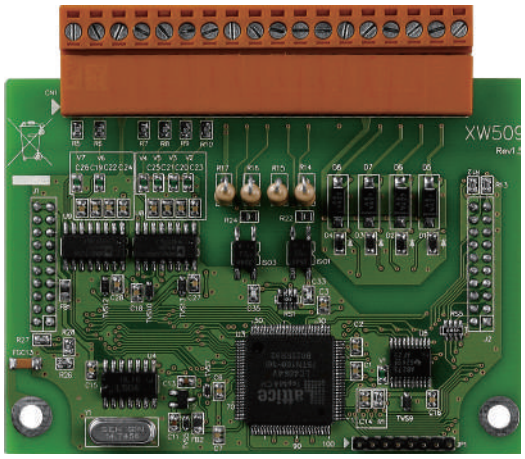


XW509

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

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

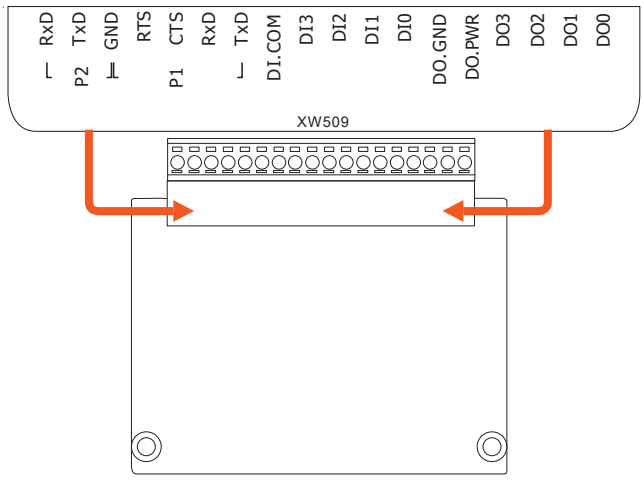
Introduction

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

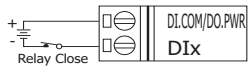
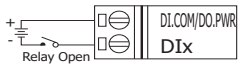
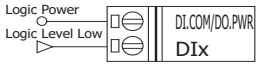
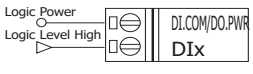
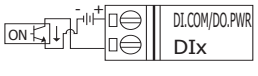
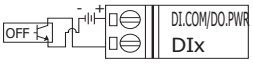
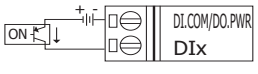
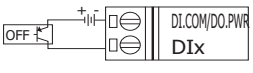
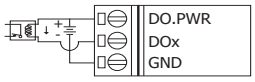
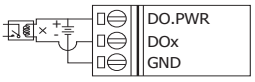
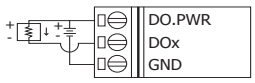
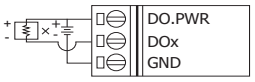


Specifications

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

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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
		
TTL/CMOS Logic	Voltage > 10V	Voltage < 4V
		
NPN Output	Open Collector ON	Open Collector OFF
		
PNP Output	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

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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