☑ DI, DO Expansion

RoHS

🗹 Specifications

Models	XW107	XW107 i	XW110
Digital Input			
Channel	8	8	16
Type	Dry contact (Source type)	Wet contact (Sink/Source)	Dry contact (Source type)
Logic High Level	3.5 ~ 30 V_{DC}	3.5 ~ 30 V_{DC}	3.5 ~ 30 V_{DC}
Logic Low Level	1 V_{DC} max.	4 V_{DC} max.	1 V_{DC} max.
Isolation	-	10 ~ 50 V_{DC}	-
Digital Output			
Channel	8	8	-
Type	Open Collector (Sink type)		-
Max. Load Current	200 mA/Channel		-
Load Voltage	10 ~ 40 V_{DC}		-
Isolation	-	3750 V_{rms}	-
Power			
Power Consumption	0.3 W	0.3 W	0.3 W

🗹 Pin Assignments

XW107

DI0 DI1 DI2 DI3 DI4 DI5 DI6 DI7 GND DO.PWR DO0 DO1 DO2 DO3 DO4 DO5 DO6 DO7

XW107

XW107 i

DI0 DI1 DI2 DI3 DI4 DI5 DI6 DI7 DO.GND DI.COM/ DO.PWR DO0 DO1 DO2 DO3 DO4 DO5 DO6 DO7

XW107I

XW110

ICP DAS CO., LTD   Professional Provider of High Quality Industrial Computer Products and Data Acquisition Systems
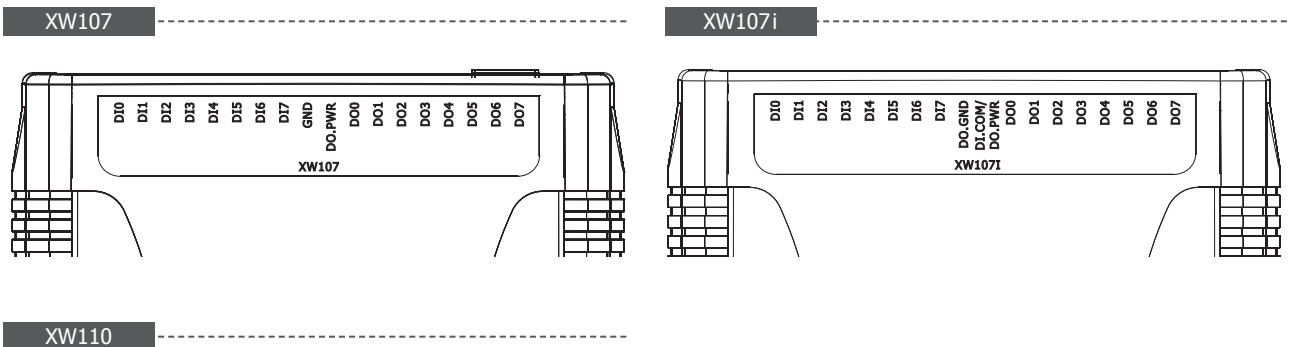
☑ Wiring for XW107, XW110

Digital Input / Digital Output Wiring		
Input Type	DI Value as 0	DI Value as 1
Relay Contact	Relay ON Relay Close DIx / GND	Relay Off Relay Open DIx / GND
TTL/CMOS Logic	Voltage < 1V Logic Level Low / Logic GND DIx / GND	Voltage > 3.5V Logic Level High / Logic GND DIx / GND
Open Collector	Open Collector On On DIx / GND	Open Collector Off Off DIx / GND
Output Type	DO Command as 1	DO Command as 0
Drive Relay	Relay ON DO.PWR / DOx / DO.GND	Relay Off DO.PWR / DOx / DO.GND
Resistance Load	 DO.PWR / DOx / DO.GND	 DO.PWR / DOx / DO.GND

☑ Wiring for XW107 i

Digital Input / Digital Output Wiring		
Input Type	ON State LED ON Readback as 0	OFF State LED OFF Readback as 1
Relay Contact	Relay ON Relay Close DI.COM/DO.PWR / DIx	Relay Off Relay Open DI.COM/DO.PWR / DIx
TTL/CMOS Logic	Voltage > 10V Logic Power / Logic Level Low DI.COM/DO.PWR / DIx	Voltage < 4V Logic Power / Logic Level High DI.COM/DO.PWR / DIx
NPN Output	Open Collector On ON DI.COM/DO.PWR / DIx	Open Collector Off OFF DI.COM/DO.PWR / DIx
PNP Output	Open Collector On ON DI.COM/DO.PWR / DIx	Open Collector Off OFF DI.COM/DO.PWR / DIx
Output Type	ON State LED ON Readback as 1	OFF State LED OFF Readback as 0
Drive Relay	Relay ON DI.COM/DO.PWR / DOx / DO.GND	Relay Off DI.COM/DO.PWR / DOx / DO.GND
Resistance Load	 DI.COM/DO.PWR / DOx / DO.GND	 DI.COM/DO.PWR / DOx / DO.GND

☑ Ordering Information

XW107	XW-Board with 8-ch DI and 8-ch DO
XW107i	XW-Board with 8-ch DI and 8-ch DO (with Isolation)
XW110	XW-Board with 16-ch DI