WF-2255

Wi-Fi I/O 模組 , 隔離型 8-ch (Dry, Wet) DI,
隔離型 8-ch (Sink, NPN) DO
(Asia Only)

特色

- 兼容 IEEE 802.11a/b/g/n 標準
- 支援 WEP、WPA 和 WPA2 無線加密
- 支援 Modbus TCP 協議
- 支援 I/O Pair-Connection 功能
- 內建看門狗機制
- 內建 I/O
  - 數位輸入 / 計數器 : 8 通道
  - 數位輸出 : 8 通道

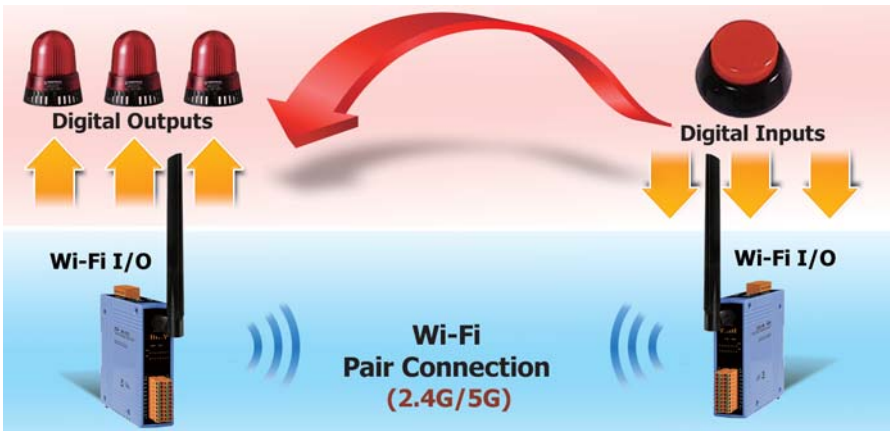
介紹

WF-2255 是一款有雙頻段 2.4/5 GHz Wi-Fi 介面和具有 32-bit 計數器的 8 通道隔離數位輸入與 8 通道隔離數位輸出模組。隨著 802.11 網路基礎設施的普及，WF-2255 提供了一種將無線連接整合到監控系統中的簡便方法。WF-2255 還支持 Modbus TCP 協議和網路加密配置，與 SCADA 軟體完美集成，為用戶提供隨時隨地輕鬆安全的訪問。

規格

隔離	
內部隔離	DI: 3750 VDC DO: 3750 VDC
Wi-Fi	
傳輸距離 (LoS)	50 meters (LOS)
標準	IEEE 802.11 a/b/g/n
RX 靈敏度	-95 dBm @ 2.4 GHz -90 dBm @ 5 GHz
輸出功率	15 dBm (Max.)
模式	Infrastructure & Limit-AP
加密	WEP, WPA and WPA2
天線	Omni-Directional 3 dBi @ 2.4 GHz 5.5 dBi @ 5 GHz
數位輸入 / 計數器	
通道數	8 Counters: 8
類型	Dry Contact Wet Contact
Sink/Source (NPN/PNP)	Dry: Source Wet: Sink/Source
ON 電壓準位	Dry: Close to GND Wet: +10 ~ 50 VDC
OFF 電壓準位	Dry:Open Wet: +4 VDC Max
最大計數值	32-bit (4294967295)
頻率	8K Hz Max.
數位輸出	
通道數	8
類型	Open Collector
數位輸出	
Sink/Source (NPN/PNP)	Sink (NPN)
負載電壓	+3.5 VDC ~ +50 VDC
負載電流	700 mA per channel
過電壓保護	60 VDC
電源	
輸入範圍	+10 VDC ~ +30 VDC
功耗	1.9 W
機構	
尺寸 (mm)	33 x 127 x 107 (W x L x H) (Without antenna)
安裝	DIN-Rail Mounting
環境	
工作溫度	-25 ~ +75 ° C
儲存溫度	-30 ~ +80 ° C
濕度	10 ~ 90% RH, Non-condensing

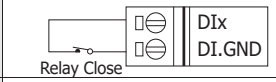
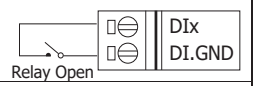
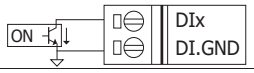
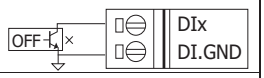
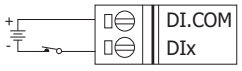
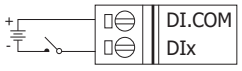
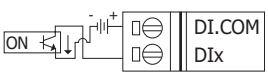
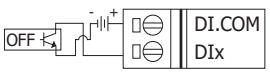
產品應用

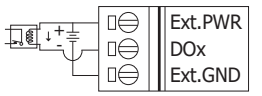
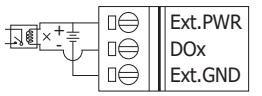
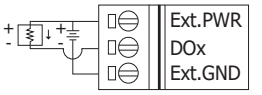
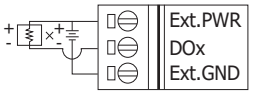


接腳定義

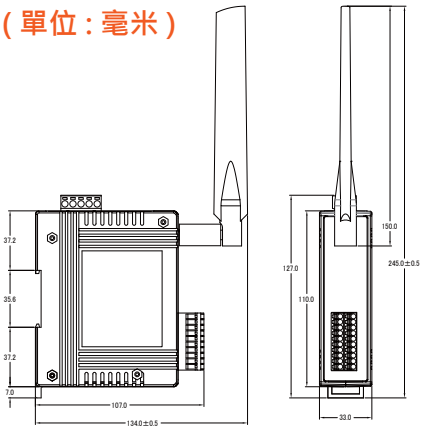
Pin Assignment	Terminal No.		Pin Assignment
EXT.GND	20	19	DI.GND
DO0	18	17	DI0
DO1	16	15	DI1
DO2	14	13	DI2
DO3	12	11	SI3
DO4	10	09	DI4
DO5	08	07	DI5
DO6	06	05	DI6
DO7	04	03	DI1
EXT.PWR	02	01	DI.COM

導線連接

Input Type Wet Contact	ON State LED ON Readback as 0	OFF State LED OFF Readback as 1
Relay Contact (Dry)		
Open Collector (Dry)		
Relay Contact (Wet)		
NPN Output (Wet)		

Output Type	ON State LED ON Readback as 1	OFF State LED OFF Readback as 0
Drive Relay		
Resistance Load		

尺寸 (單位 : 毫米)



左視圖　　前視圖

訂購資訊

WF-2255 CR	Wi-Fi I/O 模組 , 隔離型 8-ch (Dry, Wet) DI, 隔離型 8-ch (Sink, NPN) DO (Asia Only) (RoHS) 包含 ANT-225-5 天線 , CA-0910 線

選購指南

	3S001-1 CR	天線延長線 , RG58A/U, RP-SMA 母頭公針轉 RP-SMA 公頭母針 , 1M (RoHS)
	3S003-1 CR	天線延長線 , RG58A/U, RP-SMA 公頭母針轉 RP-SMA 母頭公針 , 3M (RoHS)
	3S005-1 CR	天線延長線 , RG58A/U, RP-SMA 公頭母針轉 RP-SMA 母頭公針 , 5M (RoHS)
	3S008-1 CR	天線延長線 , RG58A/U, RP-SMA 母頭公針轉 RP-SMA 公頭母針 , 8M (RoHS)