

WF-2260

Wi-Fi I/O Module with Isolated 6-ch (Dry, Wet) DI and 6-ch Relay (Asia Only)

Features

- Compatible with IEEE 802.11a/b/g/n standards
- Support WEP, WPA and WPA2 wireless encryption
- Support Modbus TCP protocols
- Support I/O pair connection mode
- Built-in Watchdog
- Built-in I/O
  - -DI/Counter: 6 Channels
  - -Power Relay: 6 Channels

Introduction

The WF-2260 is a dual bands 2.4/5 GHz Wi-Fi interface and 8-channel isolated digital input with 32-bit counters, 8-channel sink type isolated digital output module. With the popularity of 802.11 network infrastructure, the WF-2260 makes an easy way to incorporate wireless connectivity into monitoring and control systems. The WF-2260 also supports Modbus TCP protocol and the network encryption configuration, which makes perfect integration to SCADA software and offer easy and safe access for users from anytime and anywhere.

Specifications

Isolation	
Intra-module Isolation	DI: 3750 VDC
Wi-Fi	
Transmission Distance (LoS)	50 meters (LOS)
Standard	IEEE 802.11 a/b/g/n
RX Sensitivity	-95 dBm @ 2.4 GHz -90 dBm @ 5 GHz
Output Power	15 dBm (Max.)
Operation Mode	Infrastructure & Limit-AP
Encryption	WEP, WPA and WPA2
Antenna	Omni-Directional 3 dBi @ 2.4 GHz 5.5 dBi @ 5 GHz
Digital Input/Counter	
Channels	6 Counters: 6
Type	Dry Contact Wet Contact
Sink/Source (NPN/PNP)	Dry: Source Wet: Sink/Source
ON Voltage Level	Dry: Close to GND Wet: +10 ~ 50 VDC
OFF Voltage Level	Dry:Open Wet: +4 VDC Max.
Max. Counts	32-bit (4294967295)
Frequency	8K Hz Max.
Relay Output	
Channels	6
Type	Power Relay (SPST-NO)

Relay Output	
Contact Rating	Form A: 5 A 250 VAC (47 ~ 63 Hz) 5 A 30 VDC
Operate Time	Form A: 10 ms
Release Time	Form A: 5 ms
Electrical Endurance	100,000 times min.
Mechanical Endurance	20,000,000 times min.
Power	
Input Range	+10 VDC ~ +30 VDC
Consumption	1.6 W
Mechanical	
Dimensions (mm)	33 x 127 x 107 (W x L x H) (Without antenna)
Installation	DIN-Rail Mounting
Environment	
Operating Temperature	-25 ~ +75 °C
Storage Temperature	-30 ~ +80 °C
Humidity	10 ~ 90% RH, Non-condensing

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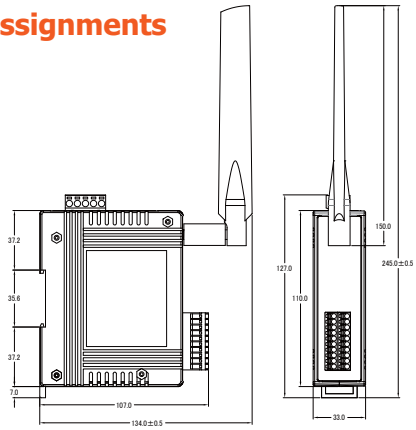
Applications



Dimensions (Units: mm)

Pin Assignment	Terminal No.		Pin Assignment
RL0.NO	20	19	DI.GND
RL0.COM	18	17	DI0
RL1.NO	16	15	DI1
RL1.COM	14	13	DI2
RL2.NO	12	11	SI3
RL2.COM	10	09	DI4
RL3.NO	08	07	DI5
RL3.COM	06	05	DI.COM
RL4.NO	04	03	DL5.NO
RL4.COM	02	01	DL5.COM

Pin Assignments



Wire Connections

Input Type	ON State LED ON Readback as 0	OFF State LED OFF Readback as 1
Relay Contact (Dry)	Relay Close, DIx, DI.GND	Relay Open, DIx, DI.GND
Open Collector (Dry)	ON, DIx, DI.GND	OFF, DIx, DI.GND
Relay Contact (Wet)	DI.COM, DIx	DI.COM, DIx
NPN Output (Wet)	ON, DI.COM, DIx	OFF, DI.COM, DIx

Output Type	ON State Readback as 1	OFF State Readback as 0
Relay	Load, AC/DC, RLx NO, RLx COM	Load, AC/DC, RLx NO, RLx COM

Ordering Information

WF-2260 CR	Wi-Fi I/O Module with Isolated 6-ch (Dry, Wet) DI and 6-ch Relay (Asia Only) (RoHS) Includes ANT-225-5 Antenna and CA-0910 Cable

Accessories

3S001-1 CR	Antenna Extension Cable, RG58A/U, RP-SMA Male to RP-SMA Female, 1 M (RoHS)
3S003-1 CR	Antenna Extension Cable, RG58A/U, RP-SMA Male to RP-SMA Female, 3 M (RoHS)
3S005-1 CR	Antenna Extension Cable, RG58A/U, RP-SMA Male to RP-SMA Female, 5 M (RoHS)
3S008-1 CR	Antenna Extension Cable, RG58A/U, RP-SMA Male to RP-SMA Female, 8 M (RoHS)

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