

WiFio-502

16 Channels Digital Input / 8 Channels Relay Output Module

(Dry / Wet Contact)



Main Features

PRELIMINARY

- ① 16-Ch Digital Input / 8-Ch Relay Output
- ① Dry / Wet Contact
- ① Operate Time 10ms Max
- ① Isolation voltage 2500VDC
- ① Latch Value Read



Introduction

The WiFio-502 is a 16 Channels Digital Input / 8 Channels Relay Output Module with Dry / Wet Contact of WiFio Series. The WiFio Series is an Ethernet-based wireless IIoT device, which has integrated the IIoT data acquisition, processing, and publishing functions altogether. The WiFio Series also provide WiFi and LAN connection for users when establishing networks.

WiFio Series Modules include Analog, Digital, and Relay modules which also with 6~32 channels.

Model Name	WiFio-502
General	
Power Input	10~60VDC
Power Consumption	200mA@24V
Temperature-Operating	-25 ~ 70 °C
Temperature-Storage	-30 ~ 75 °C
Humidity	5 ~ 95 %
Dimensions	120.1 mm*94.4 mm*121.1mm
Weight	360g (Average)
LED Indicators	System,Config,WLAN
WiFio-Master	
LAN Connection	1 x RJ45
Transmission Speed	10/100 Base-TX Ethernet

WiFi Connection	IEEE 802.11/b/g/n Internal built-in ceramic antenna and optional external antenna via I-PEX connector	
WiFi Mode	STAP/AP Configurable TX Power Support External Antenna	
Modbus Connector	2 serial port both support baud rate up 115200bps 1 DIN-rail port to connect Wolf Series seamlessly	
Modbus Interface	1 isolated DB9 type port to support RS232/422/485 by user configurable.	
Modbus RTU Modes	Master/Slave Mode manage up to 8 devices	
Modbus TCP Modes	Master/Slave Mode	
Modbus Function Codes	Full support Modbus/TCP/RTU protocol and depends on equipped devices	
Modbus Baud Rate	1.2K~115.2K Baud Rate	
http Server	Support http and https	
SSH	Secure Session	
DHCP	DHCP Client to Obtain IP Address	
Supported Browsers	Internet Explorer 8/9/10 and, Mozilla Firefox 24, Safari 5.1.7, Chrome 31, Oper 16.0, with at least 3 simultaneous connections.	
Mounting	DIN EN 60715	
Safety	FCC/CE/RoHS	
WiFi-Slave		
Watchdog Timer	System (1.6 second Fixed) Communication (Programmable)	
Interface	RS-485	
Communication Protocol	Modbus/RTU	
Communication Speed	Serial: From 1200 to 115.2k bps	
Communication Distance	Serial: 1.2km	
Isolation Protection	2500 or 3000 VDC	
I/O Specifications		
Digital Input		
Digital Input Channels	16	
Power Consumption	3W @ 24V	
Dry Contact	Logic Level 0	Open
	Logic Level 1	Close to GND

Wet Contact	Logic Level 0	+3V maximum
	Logic Level 1	+10 to 50V
Input resistance	10kΩ	
Isolation voltage	2500VDC	
Over-voltage Protection	70 VDC	
Counter Input Range	Max.100Hz (16 bit)	
Latch Value Read	Yes	
Relay Output		
Channels	8	
Power Consumption	3W @ 24V	
Relay Output Channels	4 Form A, 4 Form C	
Contact Rating	5A 250VAC/30VDC	
Dielectric Strength	3KV	
Operate Time	10ms Max.	
Release Time	5ms Max.	
Electrical Endurance	1x10 ⁵ ops@3A 250VAC/30VDC	

【WiFio-502】 Terminal Assignment

