WiFio-301

16-Channel Digital Input Module

Main Features

PRELIMINARY

- 16-Channel Digital Input Module
- Wet / Dry contact
- WiFi / LAN connection
- Latch Value Read
- Input resistance 10kΩ

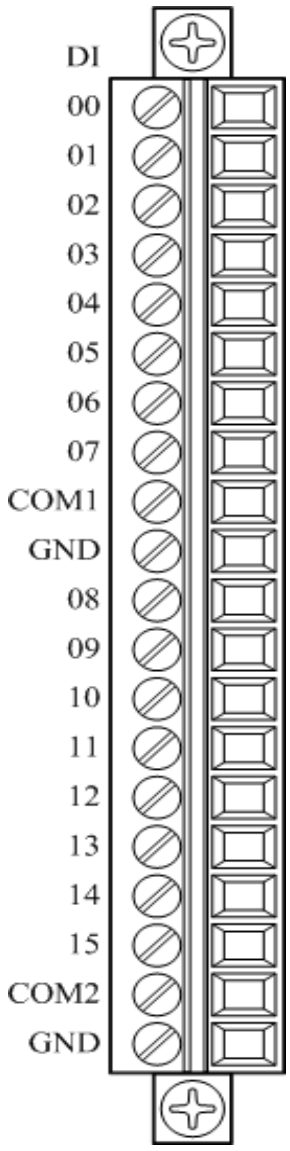
Introduction

The Wifio Series is an Ethernet-based wireless IIoT device, which has integrated the IoT data acquisition, processing, and publishing functions all together. The WiFio Series also provide WiFi and LAN connection for users when establishing networks.

Specifications

Model Name	WiFio -301
General	
Power Input	10~60VDC
Power Consumption	200mA@24V
Temperature-Operating	-25 ~ 70 ℃
Temperature-Storage	-30 ~ 75 ℃
Humidity	5 ~ 95 %
Dimensions	120.1 mm*94.4 mm*121.1mm
Weight	360g（Average）
LED Indicators	System,Config,WLAN
WiFio-Master	
LAN Connection Transmission Speed	1 x RJ45 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 to 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
DHCPC		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
WiFio-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
IO Specifications		
Channels		16
Power Consumption		1.6W @ 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		±55 VDC
Counter Input Range		Max.100Hz (16 bit)
Latch Value Read		Yes

Terminal Assignment-WiFio-301