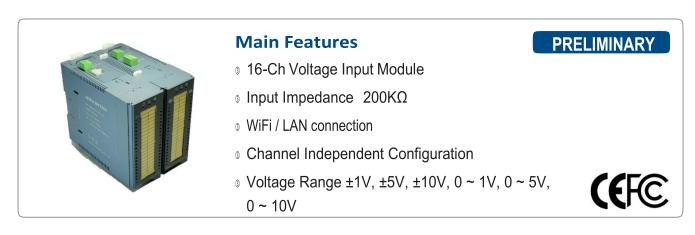
WiFio-112

16-Channel Voltage Input Module



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 -112	
General		
Power Input	10~60VDC	
Power Consumption	200mA@24V	
Temperature-Operating	$-25 \sim 70 \ ^{\circ}\mathrm{C}$	
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 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-	

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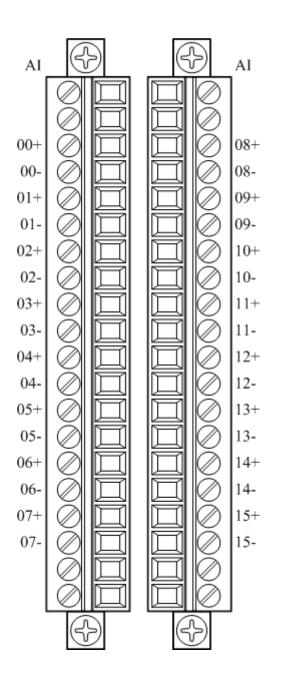
	PEX connector
	STAP/AP
WiFi Mode	Configurable TX Power
	Support External Antenna
Modbus Connector	2 serial port both support baud rate up to
	115200bps, 1 DIN-rail port to connect Wolf
	Series seamlessly
Modbus Interface	1 isolated DB9 type port to support
	RS232/422/485 by user configurable.
Modbus 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	2.8W @ 24V
Voltage Range	$\pm 1V, \pm 5V, \pm 10V, 0 \sim 1V, 0 \sim 5V, 0 \sim 10V$
Burn-out Detection	No
Channel Independent Configuration	Yes
Sampling Rates	2.5 samples/second per channel

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Resolution	16-bit
Accuracy	±0.1% FSR
Input Impedance	200ΚΩ
Span Drift	±25 ppm/°C
Zero Drift	$\pm 6 \ \mu V / ^{\circ}C$

Terminal Assignment-WiFio-112



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