WiFio-108

16-Channel Thermocouple Input Module

Main Features

PRELIMINARY

- 16-Ch Thermocouple Input Module
- Burn-out Detection
- WiFi / LAN connection
- Channel Independent Configuration
- Input Voltage Protection ±35V

CE FC

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

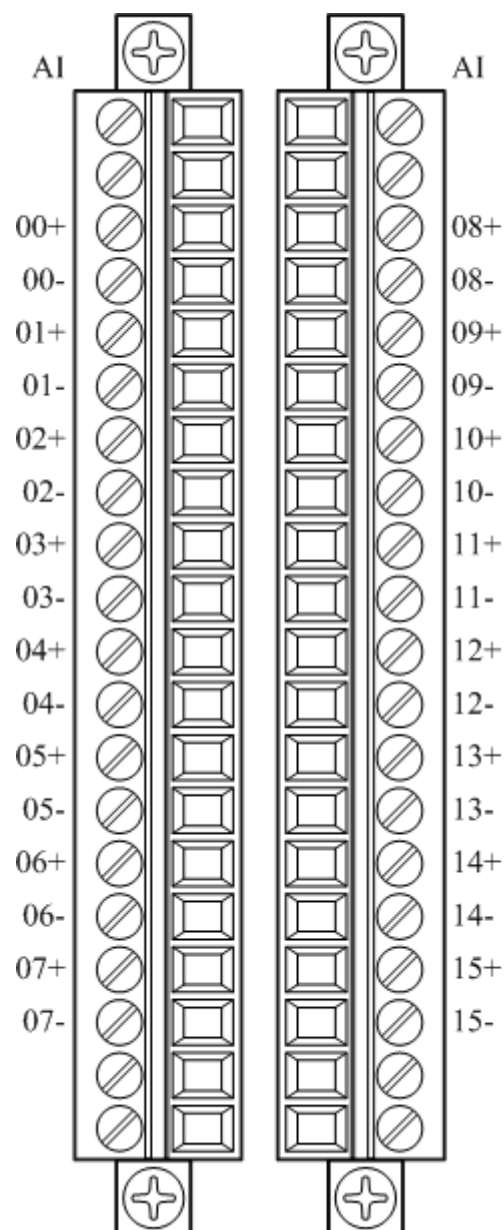| Model Name	WiFio-108
General	
Power Input	10~60VDC
Power Consumption	200mA@24V
Temperature-Operating	-25 ~ 70 °C
Temperature-Storage	-30 ~ 75 °C
Humidity	5 ~ 95 %
Dimensions	120.1 mm*94.4 mm*121.1mm
Weight	360g（Average）
LED Indicators	System,Config,WLAN
WiFio-Master	
LAN Connection Transmission Speed	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-

advanio

	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	2.8W @ 24V
Direct Sensor Input	J, K, T, E, R, S, B, N
Burn-out Detection	Yes
Channel Independent Configuration	Yes
Sampling Rates	2.5 samples/second per channel

advanio

Resolution	16-bit
Accuracy	±0.1% FSR
Input Impedance	2MΩ
Span Drift	±25 ppm/°C
Zero Drift	±6 μV/°C
Input Voltage Protection	±35V

Terminal Assignment-WiFio-108

advanio