



WISE-4060

4-ch Digital Input and 4-ch Relay Output IoT Wireless I/O Module

Introduction

The WISE-4000 series is an Ethernet-based wireless IoT device, integrated with IoT data acquisition, processing, and publishing functions. As well as various I/O types, the WISE-4000 series provides data pre-scaling, data logic, and data logger functions. These data can be accessed via mobile devices and be published to the cloud with security at anytime and anywhere.

Features

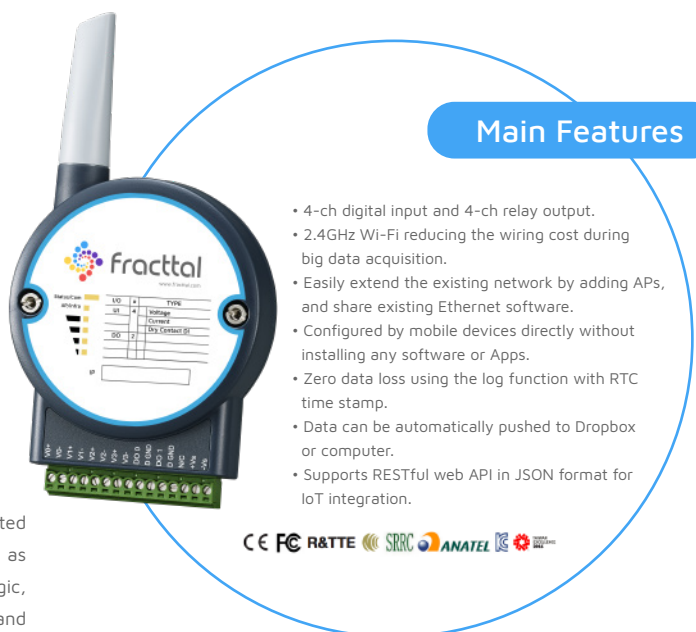
IEEE 802.11 b/g/n 2.4GHz Wi-Fi with AP Mode

The Wi-Fi interface is easily integrated with wired or wireless Ethernet devices, users only need to add a wireless router or AP to extend existing Ethernet network to wireless. The limited AP mode enables the WISE-4000 to be accessed via other Wi-Fi devices directly as an AP.



HTML5 Web Configuration Interface

All the configuration interfaces are applied in web service, and the web pages are based on HTML5, so users can configure the WISE-4000 without the limitation of OS/devices. You can use your mobile phone or tablet to directly configure the WISE-4000.



Main Features

- 4-ch digital input and 4-ch relay output.
- 2.4GHz Wi-Fi reducing the wiring cost during big data acquisition.
- Easily extend the existing network by adding APs, and share existing Ethernet software.
- Configured by mobile devices directly without installing any software or Apps.
- Zero data loss using the log function with RTC time stamp.
- Data can be automatically pushed to Dropbox or computer.
- Supports RESTful web API in JSON format for IoT integration.



RESTful Web Service with Security Socket

As well as supporting Modbus/TCP, the WISE-4000 series also supports IoT communication protocol, RESTful web service. Data can be polled or even be pushed automatically from the WISE-4000 when the I/O status is changed. The I/O status can be retrieved by internet media types like JSON. The WISE-4000 also supports HTTPS which has security that can be used in a Wide Area Network (WAN).



Wifi WPA2 Encryption

HTTPS Secure Socket



https://

Data Storage

The WISE-4000 can log up to 10,000 samples of data with a time stamp. The I/O data can be logged periodically, and also when the I/O status changes. Once the memory is full, users can choose to overwrite the old data to ring log or just stop the log function.



Cloud Storage

Data logger can push the data to file-based cloud services like Dropbox using pre-configured criteria. With RESTful API, the data can also be pushed to a private cloud server in the format of JSON. Users can setup their private cloud server using the provided RESTful API and their own platform.

