

iWSN-200E

iWSN data concentrator with PoE Ethernet port
(Asia Only)

Features

- 433 MHz Radio Frequency
- 16 RF Channels
- Supported Modbus TCP protocol (Slave)
- Supported data buffers of 31 iWSN sensors

Introduction

The iWSN-200E is an iWSN wireless data concentrators, it supports one 433MHz wireless communication interface and one Ethernet communication interface with PoE. The module supports Modbus TCP protocol slave, the main function can receive and buffer 31 iWSN sensor's data by wireless, and the user can transmit Modbus TCP command to read the sensor's data by Ethernet interface. In wireless interface, the series modules support 16 wireless channels and 8 groups ID by rotary switch and DIP switch setting, the user can easy to use them to divide and manage the wireless network of 433MHz frequency.

In addition, iWSN Utility is a special software tool developed to simplify the configuration process and the setup of the iWSN network. It greatly reduces the burden of deploying the iWSN network and let users focus on big data processing and analysis. Through the intuitive visual operation interface of iWSN Utility, users can easily setup an iWSN data collection system on a local computer without knowing the Modbus address configuration of the iWSN data collector. The device tree diagram of the Utility allows users to clearly understand the network structure of the current iWSN network and is convenient to manage and check the configuration status of iWSN devices. In addition to showing the immediate value of iWSN sensing modules, the Utility also provides performance information and CSV/database storage functions, so that users can not only know the execution efficiency of each iWSN data collector, but also save time in building data storage systems.

Applications



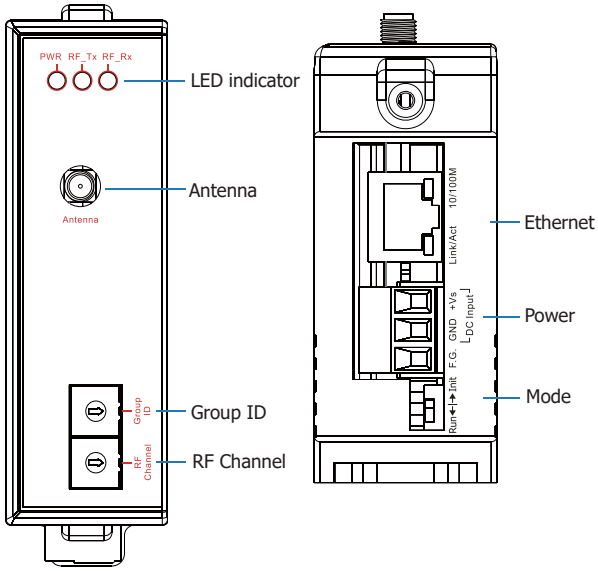
System Specifications

Model	iWSN-200E
EMS Protection	
EFT (IEC 61000-4-4)	+/- 1kV
ESD (IEC 61000-4-2)	+/- 4kV Contact
Surge (IEC 61000-4-5)	+/- 1kV
LED Indicator	
Status	1 x Power 1 x RF_Tx 1 x RF_Rx
RF	
Channels	0 ~ 15 (configured by rotary switch)
Radio Frequency	433MHz
Transmission Power	9±1dBm (PA Off) / 18±1dBm (PA On)
Transmission Distance (LoS)	100m (Line of sign, LoS)
Antenna	
Connector	RP-SMA Male (Plug)
Dimensions (mm)	10 x 108 (Ø x L)
Type	0 dBi, Omni-Directional

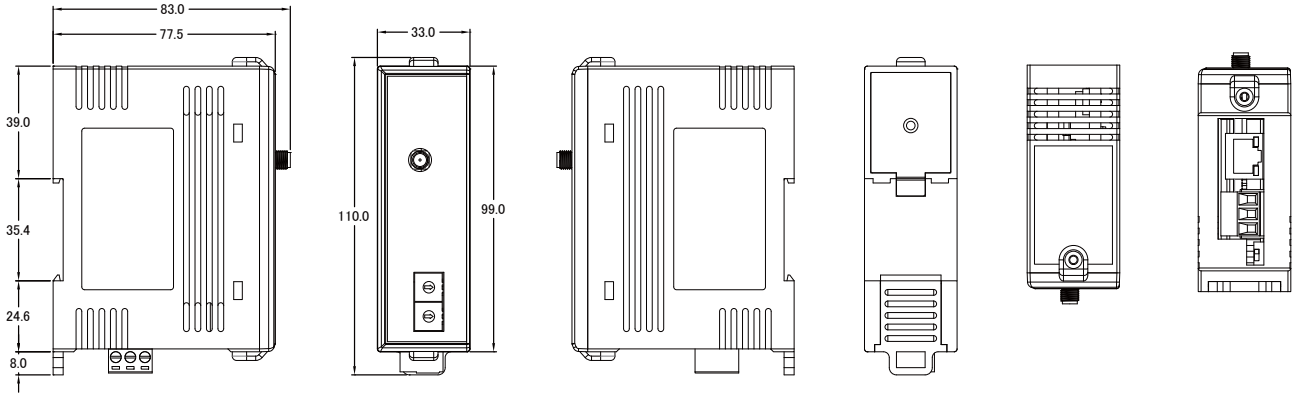
Model	iWSN-200E
Ethernet	
Ports	1 x RJ-45 10/100Mbps
Protocol	Modbus TCP
Power	
Consumption	1W Max
Powered from PoE	IEEE 802.3af, Class 1
Powered from Terminal Block	+10 ~ +30 VDC
Mechanical	
Dimensions (mm)	108 x 84 x 33 (W x L x H)
Installation	DIN-Rail
Environment	
Operating Temperature	-25 ~ +75°C
Storage Temperature	-30 ~ +80°C
Humidity	10 ~ 90% RH, Non-condensing

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Appearance



Dimensions (Units: mm)



Left Side View | Front View | Right Side View | Rear View | Top View | Bottom View

Ordering Information

iWSN-200E CR	iWSN data concentrator with PoE Ethernet port (RoHS) (Asia Only)

Accessories

Extension Cable 	ANT-Base-02, Antenna Base/1500 mm
	3S001-1, RG58A/U 1 Meter Long RP-SMA (male) to RP-SMA (female)

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