



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.

Applications

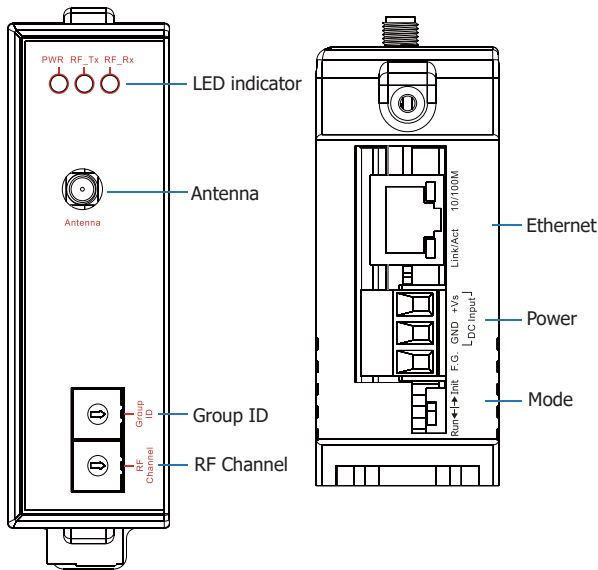


System Specifications

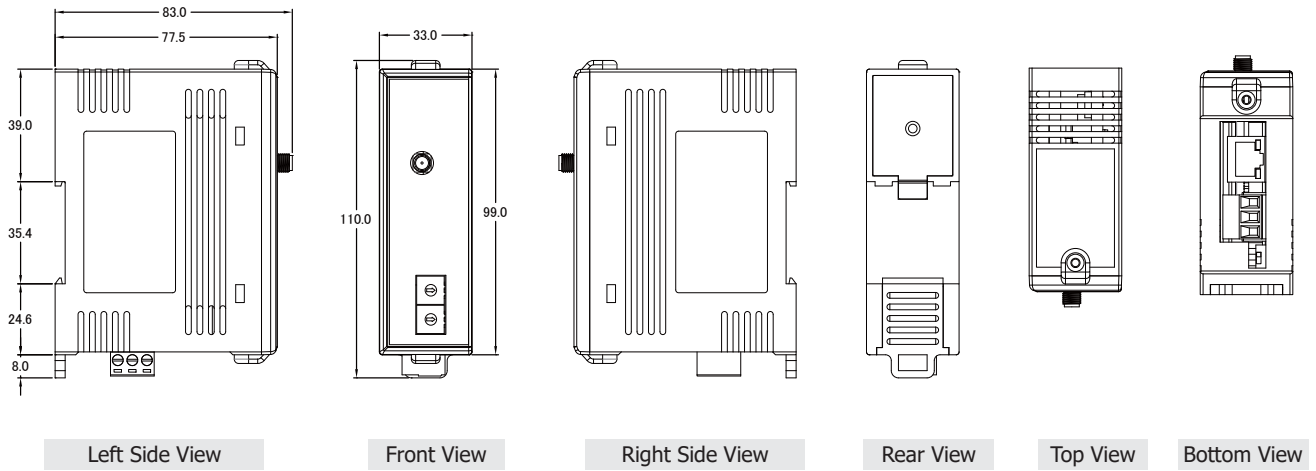
Model	iWSN-200E
EMS Protection	
EFT (IEC 61000-4-4)	+/- 1kV
ESD (IEC 61000-4-2)	+/- 4kV Contact
Surge (IEC 61000-4-5)	+/- 1kV
LED Indicator	
Status	1 x Power 1 x RF_Tx 1 x RF_Rx
RF	
Channels	0 to 15 (configured by rotary switch)
Radio Frequency	433MHz
Transmission Power	9±1dBm (PA Off) / 18±1dBm (PA 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 to +30 VDC
Mechanical	
Dimensions (mm)	108 x 84 x 33 (W x L x H)
Installation	DIN-Rail
Environment	
Operating Temperature	-25 to +75°C
Storage Temperature	-30 ~ +80°C
Humidity	10 to 90% RH, Non-condensing

Appearance



Dimensions (Units: mm)



Ordering Information

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

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