



iWSN-201

iWSN-203

iWSN 1-axis and 3-axis vibration sensing module

### Features

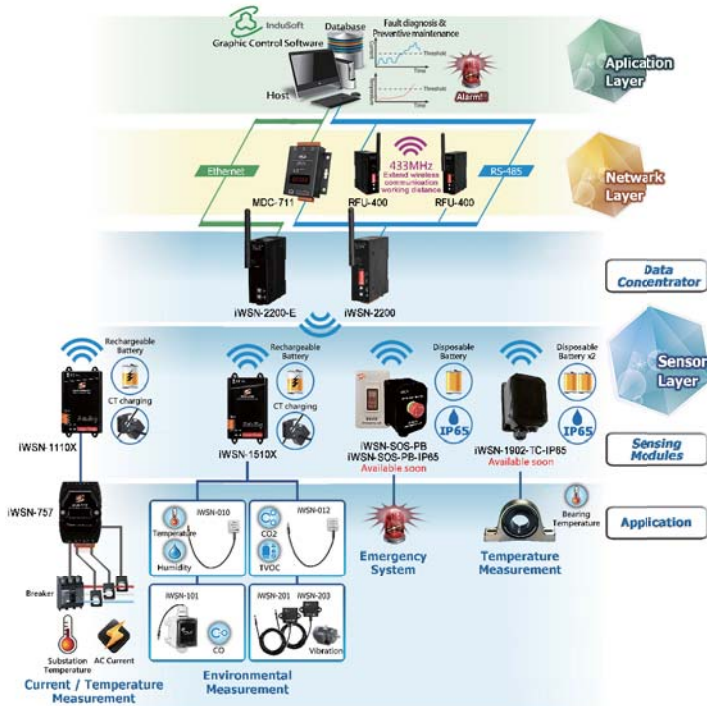
- Supports 1-axis, 3-axis vibration measurement
- Sensor type: 1-axis, 3-axis MEMS
- Frequency range: 10 Hz~1 kHz(iWSN-201), 10 Hz~500 Hz(iWSN-203)
- Vibration measuring range:  $\pm 8g$
- Powered by iWSN sensing module
- Offers wall-mount mechanism and magnet for installation



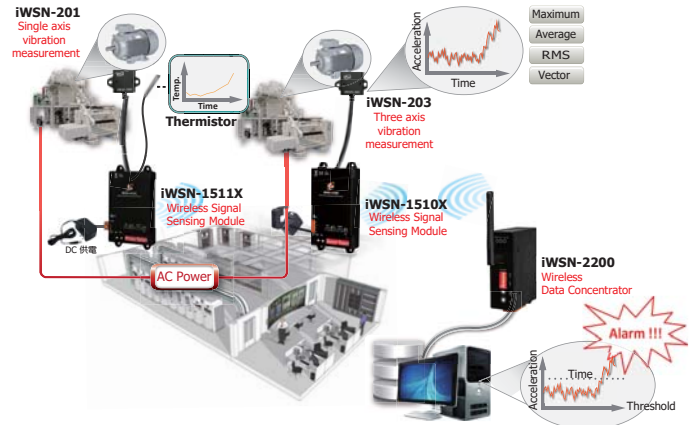
### Introduction

iWSN wireless environmental sensing series including wireless signal sensing and expansion module. By means of sub-1G RF communication interface, iWSN wireless environmental sensing module can approach to the real wireless deployment. It is suitable for measuring various signals and provides users more choices for various applications, such as iWSN-201 and iWSN-203 supports vibration measurement. iWSN wireless environmental sensing module provide two modes of power supply: CT induced current or DC power supply. Diverse power supply delivers reliable electricity and reduces the cost of wiring. Considering the maintenance and installation, the iWSN wireless environmental sensing module uses the DIP switch for configuration. Through the flexibility of the expansion interface, the iWSN wireless environmental sensing module can be widely used in the application of saving power, big data analysis, and predict maintenance.

### System Structure



### Applications

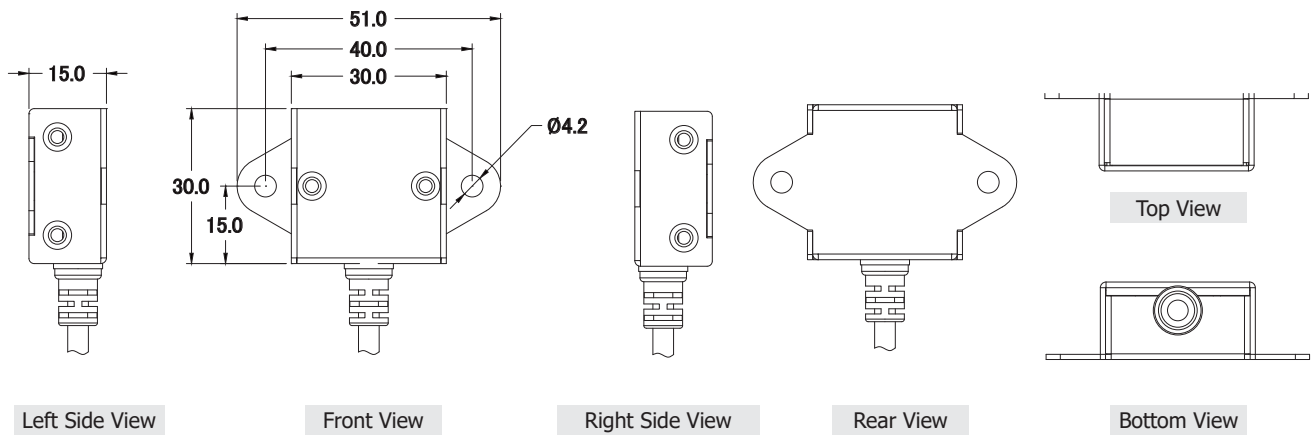


## System Specifications

Model	iWSN-201	iWSN-203	Model	iWSN-201	iWSN-203
<b>Vibration Measurement</b>					
Sensor Type	1-axis MEMS	3-axis MEMS	<b>Mechanical</b>		
Frequency Range	10 Hz to 1 kHz	10 Hz to 500 Hz	Dimensions (mm)	51 x 30 x 15 (W x L x H)	51 x 30 x 15 (W x L x H)
Measuring Range	±8g		Installation	Wall-mount or magnet adsorption	
Data Type(g)	Uniaxial RMS and maximum value	x, y, z axes of the RMS and maximum value, Triaxial vector value	Cable Length	150 cm	
<b>Power</b>					
Consumption	0.15 W	0.024 W	<b>Environment</b>		
Input Type	iWSN environmental sensing module provides power through the audio line.		Operating Temperature	-25 °C ~ +75 °C	
			Storage Temperature	-30 ~ +80°C	
			Humidity	10 to 90% RH, Non-condensing	

## Dimensions (Units: mm)

### iWSN-201/iWSN-203



## Ordering Information

<b>iWSN-201 CR</b>	iWSN 1-axis vibration sensing module, 150 cm cable (RoHS)
<b>iWSN-203 CR</b>	iWSN 3-axis vibration sensing module, 150 cm cable (RoHS)

## Accessories

<b>iWSN-1510X CR</b>	iWSN Environmental Sensing Module with 1-ch CT Input and 1 Expansion Interface (RoHS) (Asia Only)
<b>iWSN-1511X CR</b>	iWSN Environmental Sensing Module with 1-ch CT Input, 1-ch Thermistor Input and 1 Expansion Interface (Asia Only)
<b>iWSN-2200 CR</b>	iWSN data concentrator with RS-232/RS-485 serial port (RoHS)
<b>iWSN-2200-E CR</b>	iWSN data concentrator with Ethernet port (RoHS)