



iXN-2VB1

iXN-2VB3

iWSN 1-axis and 3-axis vibration sensing module

Features

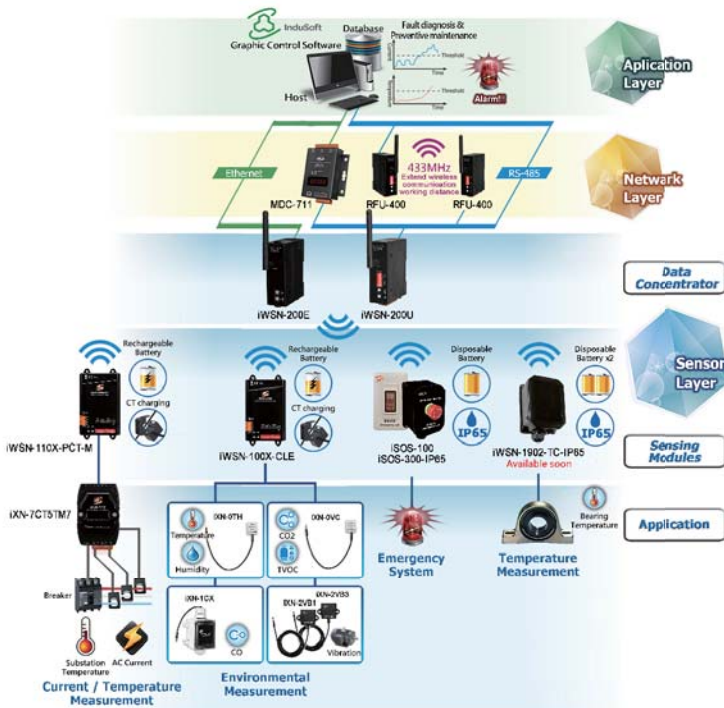
- Supports 1-axis, 3-axis vibration measurement
- Sensor type: 1-axis, 3-axis MEMS
- Frequency range: 10 Hz~1 kHz (iXN-2VB1), 10 Hz~500 Hz (iXN-2VB3)
- Vibration measuring range: $\pm 8g$
- Powered by iWSN sensing module
- Offers wall-mount mechanism and magnet for installation



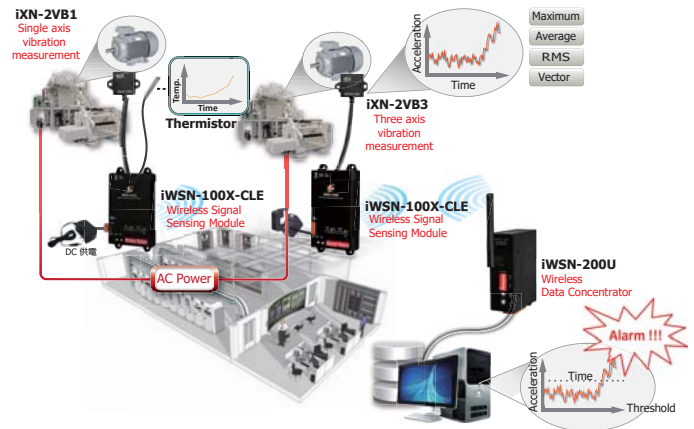
Introduction

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 iXN-2VB1 and iXN-2VB3 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

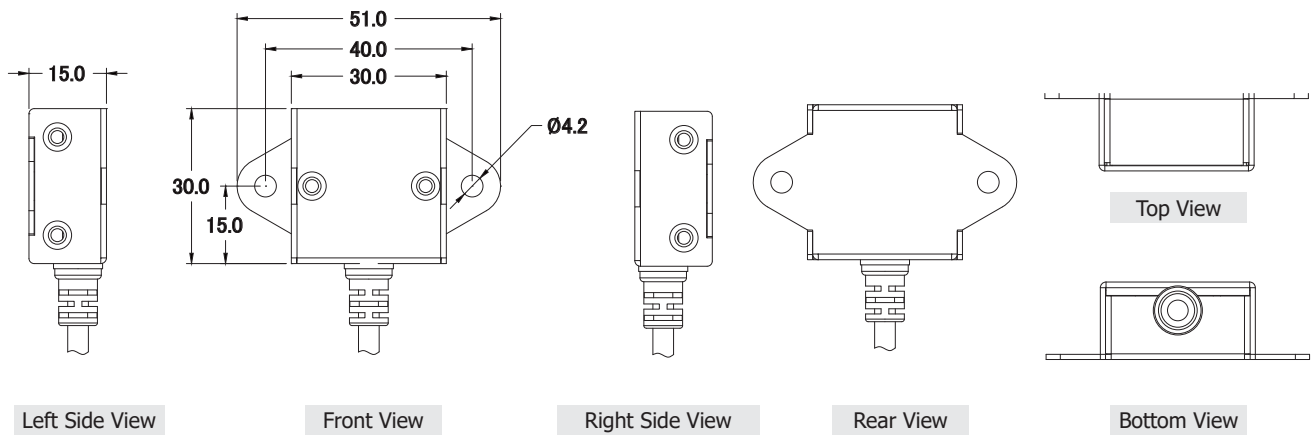


System Specifications

Model	iXN-2VB1	iXN-2VB3	Model	iXN-2VB1	iXN-2VB3
Vibration Measurement					
Sensor Type	1-axis MEMS	3-axis MEMS	Mechanical		
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	
Power					
Consumption	0.15 W	0.024 W	Environment		
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)

iXN-2VB1/iXN-2VB3



Ordering Information

iXN-2VB1 CR	iXN 1-axis vibration sensing module, 150 cm cable (RoHS)
iXN-2VB3 CR	iXN 3-axis vibration sensing module, 150 cm cable (RoHS)

Accessories

iWSN-100X-CLE CR	iWSN Environmental Sensing Module with 1-ch CT Input and 1 Expansion Interface (RoHS) (Asia Only)
iWSN-101X-CLE CR	iWSN Environmental Sensing Module with 1-ch CT Input, 1-ch Thermistor Input and 1 Expansion Interface (Asia Only)
iWSN-200U CR	iWSN data concentrator with RS-232/RS-485 serial port (RoHS)
iWSN-200E CR	iWSN data concentrator with Ethernet port (RoHS)