

# LoRaWan IO Gateway

## Description

AECIHWIOx is a LoRaWan IO module. AECIHWIOx takes in AI / AO / DI / DO / dry contact signals and convert them to LoRaWan signal, concentrating to ChinoINT Edge Computing Gateway for further processing.

The series is designed to fit different needs and environments.



## Applications

- Smart Facility Management
- Smart Toilet
- Smart Office
- Smart Building
- Industrial 4.0

## Custom Product Features

- Edge Computing Capability
- Industrial 4G Gateway
- SMS gateway
- Messenger APP Notification
- Custom made to fit all needs

## Device Specifications

Parameter	Specification
Dimension	280 x 190 x 130 mm (tailor made to fit)
Number of DI	4 (default, up to 32)
Number of DO	4 (default, up to 32)
Number of AI / AO	0 / 0 (default, up to 32)
Interface Type (DI)	Dry Contact
Input Mode (DI)	Level
Digital Filter Time Interval (DI)	6 Sampling Cycles
Sampling Frequency (DI)	1 kHz
Output Type(DO)	Type C Relay
Output Mode (DO)	Level
Contact Rating (DO)	30V / 3A
Power	12V DC, 80mA (fr default configuration)
Operating Condition	-40°C ~ +85°C, 5% - 95% RH (non-condensing)
IP Rating	IP65
Certification	HKCA1078, FCC (Refer to ChinoINT Sensor Node AECIHWISNE2xx)

## Installation

AECIHW4I0004 supports wall mount installation, using 4 screws. Mounting fixture will be included.

## Ordering Information

Part Number Coding scheme. Family Code [AECIHWIO] : [DI quantity] : [DO quantity] : [AI quantity] : [AO quantity]

For signal quantity, it is coded in HEX from 0 to F, in which represents 0 to 32 in decimal.  
For example, code = '4' means quantity is 8; code = 'F' means quantity is 32.

Part Number	DI quantity	DO quantity	AI quantity	AO quantity
AECIHWIO2200	4	4	0	0



## Warning

Assumes no liability for any damage resulting from the use of this product. CHINOTECH INTERNATIONAL LIMITED reserves the right to change this data sheet at any time without notice. The information furnished by ChinoINT is believed to be accurate and reliable. However, no responsibility is assumed by ChinoINT for its use, not for any infringements of patents or other rights of third parties resulting from its use.

## Product Warranty and Customer Support

ChinoINT warrants all products free from defects in material and workmanship for a period of one year from the date of shipping. During the warranty period, we will, at our position, either repair or replace any product that proves to be defective. To report any defect, please inquiry [sales@chinoint.com](mailto:sales@chinoint.com)

Unauthorized opening and improper repairs on the device may result in substantial damage to equipment or endanger the user. The product described in this documentation may be operated only by personnel qualified. Qualified personnel are those who, based on their training and experience, are capable of identifying risks and avoiding potential hazards when working with these products. Always disconnect the power plug before you open the device.

Please have the model, serial number and a detailed problem description available when you call. If the problem concerns a particular reading, please have all meter readings available.

This warranty does not apply to defects resulting from unauthorized modification, misuse. If you install or exchange system expansion and damage your device, the warranty becomes void.

## Product Warranty and Customer Support

We have reviewed the contents of this publication to ensure consistency with the hardware and software described. Since variance cannot be precluded entirely, we cannot guarantee full consistency. However, the information in this publication is reviewed regularly and any necessary corrections are included in subsequent editions.

