WISE-4000/LAN Series

IoT Ethernet I/O Module



Main Features

- Supports new web service that pushes data instantly to the cloud
- Supports file-based cloud storage for data logging and buffering
- Supports portable device web configuration, and also group deployment
- Industrial grade operating temperature -40~70°C
- Tag-based web service design enables device plug-n-play

Introduction

The WISE-4000/LAN series provide a cost-effective solution for cloud applications. By supporting direct cloud access, new web service and datalog, the WISE-4000/LAN series can seamlessly connect to cloud for an Ethernet solution.

Specifications

Current Input

Channel WISE-4010: 4 (differential)

 Resolution 12-bit

 Sampling Rate 10/100/1000 Hz/channel ±0.2% of FSR @ 25°C Accuracy 0~20 mA, 4~20 mA Input Range Input Impedance 120Ω Burn-out Detection Yes (4~20 mA only)

Supports Data Scaling and Averaging

Digital Input

Channels WISE-4050: 4 WISE-4060: 4 · Logic level:

Dry Contact 0: Open
1: Close to DI COM

Wet Contact 0: 0 ~ 3 V_{DC} (0.8 mA max.) 1: 10 ~ 30 V_{DC} (3 mA min.)

Isolation 3,000 V_{rms}

Supports 3 kHz Counter Input (32-bit + 1-bit overflow)

Keep/Discard Counter Value when Power-off

Supports 3 kHz Frequency Input

Supports Inverted DI Status

Digital Output

Channels WISE-4010: 4

WISE-4050: 4

(Open collector to 30 V, 500 mA max. for

resistance load)

Isolation 3,000 V_{rms} (WISE-4050 only) On Resistance (RDS(ON)) 0.3 Ω (max.) @ 500mA, 25°C

Supports 1 kHz Pules Output

Supports High-to-Low and Low-to-High Delay Output

Relay Output

Channels WISE-4060: 4 (Form A) **Contact Rating** 250 V_{AC} @ 5 A 30 V_{DC} @ 3 A

Isolation 3,000 V_{rms} Relay On Time 10 ms **Relay Off Time** 5 ms

Insulation Resistance 1 G Ω min. @ 500 V_{DC} **Maximum Switching** 60 operations/minute

Supports Pulse Output

Supports High-to-Low and Low-to-High Delay Output

Environment

Operating Temperature -40 ~ 70°C (-40~158°F) Storage Temperature -40 ~ 85°C (-40~185°F) Operating Humidity 20 ~ 95% RH (non-condensing) Storage Humidity 0 ~ 95% RH (non-condensing)

General

LAN IEEE 802.3u 10/100Base-T(X)

Connectors Plug-in screw terminal block (I/O and power)

Watchdog Timer System (1.6 second) and Communication (programmable)

Certification CE, FCC, RoHS

Dimensions (W x H x D) 80 x 89 x 25 mm

Enclosure

Mounting DIN 35 rail, wall, and stack

Power Input $10 \sim 30 V_{DC}$

WISE-4010/LAN: 1.2 W @ 24 V_{DC} WISE-4050/LAN: 2.2 W @ 24 V_{DC} WISE-4060/LAN: 2.5 W @ 24 V_{DC} Power Consumption

Power Reversal Protection

Supports User Defined Modbus Address

Modbus/TCP. TCP/IP. UDP. DHCP. and HTTP Supported Protocols **Supported Web Services** REST, HTML 5, Java Script, JSON

Supports System Configuration Backup and User Access Control

Ordering Information

WISE-4010/LAN 4-ch Current Input and 4-ch Digital Output IoT

Ethernet I/O Module

WISE-4050/LAN 4-ch Digital Input and 4-ch Digital Output IoT

Ethernet I/O Module 4-ch Digital Input and 4-ch Relay Output IoT Ethernet I/O Module WISE-4060/LAN

Selection Table

Model Name	Current Input	Digital Input	Digital Output	Relay Output
WISE-4010/LAN	4		4	
WISE-4050/LAN		4	4	
WISE-4060/LAN		4		4