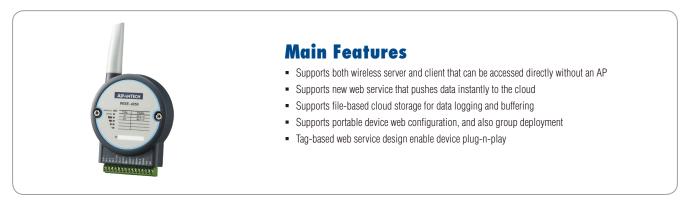
WISE-4000 Series

Wireless IoT Ethernet I/O Module



Introduction

The WISE-4000 series provide a cost-effective wireless solution for cloud applications. By supporting direct cloud access, new web services and datalogs, the WISE-4000 series can seamlessly connect to the cloud for a wireless solution.

Specifications

Universal Input

- Channel
- Resolution
- Sampling Rate
- Accuracy
- Input Type and Range Analog Input Digital Input
- Over Voltage Protection
- Burn-out Detection
- Yes (4~20 mA only) - Supports Data Scaling and Averaging

Digital Input

- Channels
- Logic level

WISE-4050: 4

WISE-4012: 4

10/100 Hz (Total)

±0.1% of FSR (Voltage, Current)

Dry Contact 0: Open, 1: Close to GND

0~10 V, 0~20 mA, 4~20mA

16-bit

 $\pm 35 \ V_{\text{DC}}$

3,000 V_{rms}

- VISC-1000. 1 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
- 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

Isolation

	WISE-4050: 4 (Open collector to 30 V, 500 mA max. for resistance load) 3,000 V _{ms}	
nce (R _{DS(ON)})	0.3 Ω (max.) @ 500mA, 25°C	

- On Resistance (R_{DS(ON)} Supports 1 kHz Pules Output
- Supports High-to-Low and Low-to-High Delay Output

Relay Output

 Channels 	WISE-4012: 2 (Form A) WISE-4060: 4 (Form A)
 Contact Rating 	250 V _{AC} @ 5 A 30 V _{DC} @ 3A
 Isolation 	3,000 V _{rms}
 Relay On Time 	10 ms
 Relay Off Time 	5 ms
Insulation Resistance	$1~{ m G}\Omega$ min. @ 500 V_{ m DC}
Maximum Switching	60 operations/minute

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

Environment

- **Operating Temperature**
- Storage Temperature
- **Operating Humidity**
- Storage Humidity

General

- WLAN
- Connectors
- Watchdog Timer
- Certification •
- Dimensions (W x H x D)
- **Power Input**

 - Supported Protocols
 - REST, HTML 5, Java Script, JSON
 - Supports System Configuration Backup and User Access Control

PC.

Ordering Information

- WISE-4012
- 4-ch Universal Input and 2-ch Relay Output Wireless IoT Ethernet I/O Module 4-ch Digital Input and 4-ch Digital Output Wireless IoT Ethernet I/O Module 4-ch Digital Input and 4-ch Relay Output Wireless IoT Ethernet I/O Module

Selection Table

Model Name	Universal Input	Digital Input	Digital Output	Relay Output
WISE-4012	4			2
WISE-4050		4	4	
WISE-4060		4		4

- Enclosure . Mountina
 - **Power Reversal Protection**
 - Supports User Defined Modbus Address
 - Modbus/TCP, TCP/IP, UDP, DHCP, and HTTP

-25 ~ 70°C (-13~158°F)

-40~85°C (-40~185°F)

IEEE 802.11b/g/n 2.4GHz

System (1.6 second) and

DIN 35 rail, wall, and stack

80 x 139 x 25 mm

 $10 \sim 30 V_{DC}$

Communication (programmable)

CE, FCC, R&TTE, NCC, SRRC, RoHS

20 ~ 95% RH (non-condensing)

0 ~ 95% RH (non-condensing)

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

Supported Web Services

- WISE-4050
- WISE-4060