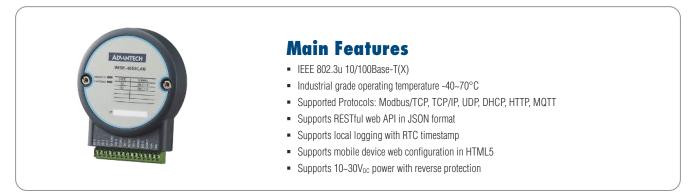
WISE-4000LAN Series

IoT Ethernet I/O Module



Introduction

The WISE-4000LAN series is a newly designed IoT Ethernet I/O module which supports new RESTful web API for IoT applications. A HTML5 web configure interface enables users to configure WISE modules without the limitation of a platform or operation system. The built-in data logger function logs data with time information, then be retrieved in a bundle. Wide operating temperatures enable the WISE series to be implemented in more IoT data acquisition applications. As well as the new functions, the new mechanical design can let users install the module and doing diagnostics in an easier manner than before.

Specifications

Current Input

- Channel WISE-4010LAN: 4 (differential)
- Resolution 12-hit
- Sampling Rate 10/100 Hz/channel ±0.2% of FSR @ 25°C
- Accuracy

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- Input Range
- Input Impedance
- **Burn-out Detection** .
- Supports Data Scaling and Averaging

Digital Input

- Channels
- Logic level:
- WISE-4060LAN: 4 Dry Contact 0: Open 1: Close to DI COM

3,000 V_{rms}

0~20 mA, 4~20 mA

Yes (4~20 mA only)

WISE-4050LAN: 4

 120Ω

- Wet Contact 0: $0 \sim 3 V_{DC}$ 1: 10 ~ 30 V_{DC} (3 mA min.)
- Isolation
- Supports 32-bit Counter Input Function (Maximum frequency 3kHz)
- Keep/Discard Counter Value when Power-off
- Supports Frequency Input Function (Maximum frequency 3 kHz)
- Supports Inverted DI Status

Digital Output

WISE-4050LAN: 4
(Open collector to 30 V, 500 mA max. for
resistance load)
3,000 Vrms (WISE-4050LAN only)

WISE-4010LAN: 4

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

Relay Output

- Channels	WISE-4060LAN: 4 (Form A)		
Contact Rating	250 V _{AC} @ 5 A		
(Resistive Load)	30 V _{DC} @ 3 A		
 Isolation (b/t coil & contact) 	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**
- Storage Temperature
- **Operating Humidity**
- Storage Humidity

General

- LAN
- Connectors
- Watchdog Timer
- Certification .
- Dimensions (W x H x D)
- Enclosure
- Mounting
- **Power Input**
- **Power Consumption**
- **Power Reversal Protection** Supports Data Log Function
 - Up to 10000 samples with timestamp
- Supports User Defined Modbus Address
- Supported Protocols: Modbus/TCP, TCP/IP, UDP, DHCP, HTTP, MQTT
- Supports RESTful Web API in JSON format
- Supports Web Server in HTML5 with JavaScript & CSS3
- Supports System Configuration Backup and User Access Control

Ordering Information

- WISE-4010LAN-B
- WISE-4050LAN-B
- WISE-4060LAN-B
- IoT Ethernet I/O Module 4-ch Digital Input and 4-ch Relay Output IoT Ethernet I/O Module

IoT Ethernet I/O Module

Selection Table

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

AD\ANTECH Ethernet I/O Modules

All product specifications are subject to change without notice.

-40~85°C (-40~185°F) 20 ~ 95% RH (non-condensing) 0 ~ 95% RH (non-condensing) IEEE 802.3u 10/100Base-T(X)

-40 ~ 70°C (-40~158°F)

Plug-in screw terminal block (I/O and power) System (1.6 second) and Communication (programmable) CE, FCC, RoHS 80 x 98 x 25 mm PC. DIN 35 rail, wall, and stack $10 \sim 30 \; V_{\text{DC}}$ WISE-4010LAN: 1.2 W @ 24 V_{DC} WISE-4050LAN: 2.2 W @ 24 V_{DC} WISE-4060LAN: 2.5 W @ 24 V_{DC}

4-ch Current Input and 4-ch Digital Output

4-ch Digital Input and 4-ch Digital Output