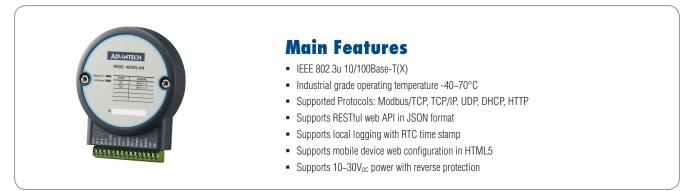
WISE-4000/LAN Series

IoT Ethernet I/O Module



Introduction

The WISE-4000/LAN 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
- Resolution
- Sampling Rate
- Accuracy
- **Input Range** .
- Input Impedance
- **Burn-out Detection**
- Supports Data Scaling and Averaging

Digital Input

- Channels
- Logic level:
- WISE-4050/LAN: 4 WISE-4060/LAN: 4 Dry Contact 0: Open
- 1: Close to DI COM Wet Contact 0: 0 ~ 3 V_{DC} 1: 10 ~ 30 V_{DC} (3 mA min.)

WISE-4010/LAN: 4 (differential)

- Isolation 3,000 V_{rms}
- Supports 32-bit Counter Input Function (Maximum frequency 3kHz)

12-hit

 120Ω

10/100 Hz/channel

0~20 mA, 4~20 mA

Yes (4~20 mA only)

±0.2% of FSR @ 25°C

- Keep/Discard Counter Value when Power-off
- Supports Frequency Input Function (Maximum frequency 3 kHz)
- Supports Inverted DI Status

Digital Output

- WISE-4010/LAN: 4 WISE-4050/LAN: 4 (Open collector to 30 V, 500 mA max. for resistance load) 3,000 Vrms (WISE-4050/LAN only)
- Isolation
- Supports 1 kHz Pulse Output
- Supports High-to-Low and Low-to-High Delay Output

Relay Output

- Channels	WISE-4060/LAN: 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

- LAN
- Dimensions (W x H x D)
- Enclosure
- Mounting
- **Power Input**
- Power Consumption .

 - Up to 10000 samples with time stamp
- - Modbus/TCP, TCP/IP, UDP, DHCP, and HTTP

Ordering Information 4-ch Current Input and 4-ch Digital Output

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

4-ch Digital Input and 4-ch Digital Output

IoT Ethernet I/O Module

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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

- **Power Reversal Protection**
- Supports RESTful Web API in JSON format
- Supports Web Server in HTML5 with JavaScript & CSS3
- Supports System Configuration Backup and User Access Control

20 ~ 95% RH (non-condensing) 0 ~ 95% RH (non-condensing) IEEE 802.3u 10/100Base-T(X)

-40 ~ 70°C (-40~158°F)

-40~85°C (-40~185°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-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}
- - Supports Data Log Function

 - Supports User Defined Modbus Address Supported Protocols

- Connectors Watchdog Timer Certification .
- General

Mouser Electronics

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Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Advantech: WISE-4060/LAN-AE