



WISE-7152

## WISE-7152

### 8-channel Isolated Source Type Open Collector Output and 8-channel Isolated Digital Input PoE Module

## Introduction

WISE (Web Inside, Smart Engine) is a product series developed by ICP DAS that functions as control units for use in remote logic control and monitoring in various industrial applications. WISE offers a user-friendly and intuitive web site interface that allows users to implement IF-THEN-ELSE control logic on controllers just a few clicks away; no programming is required. With its powerful and easy-to-use features, it will minimize the learning curve, shorten time to market and dramatically reduce the effort and cost spent on system development. WISE-7152 follows IEEE 802.3af-compliant (classification, Class 1) Power over Ethernet (PoE) specification. It allows receiving power from PoE enabled network by Ethernet pairs (Category 5 Ethernet cable). This feature provides greater flexibility and higher efficiency therefore simplifying systems design, saving space, reducing cables and eliminating the requirement for dedicated electrical outlets. Meanwhile, in case under a non-PoE environment, WISE-7152 will still be able to receive power from auxiliary power sources like AC adapters or battery, etc.

This module WISE-7152 supports Modbus/TCP protocol to make seamless integration with SCADA software available. It features 8-channel isolated open collector outputs and 8-channel isolated wet contact digital inputs. Each output channel supports 650mA current driving +10 ~ 40 VDC and each digital input channel supports counter input.

## Features

- Built-in Web Server for IF-THEN-ELSE rule setting
- Built-in IF-THEN-ELSE rule engine for logic operation
- No more programming. Just click and get done!
- Support IO, Counter, Timer, Email operations
- Modbus/TCP Protocol for SCADA Software Seamless Integration
- IEEE 802.3af-compliant Power over Ethernet (PoE)
- 10/100 Base-TX Ethernet
- 2-way Isolation/ESD Protection
- DO Type: 8 Isolation Open Collector (Sink Type)
- DI Type: 8 Isolation Wet Contact (Sink/Source)

## Hardware Specifications

Digital Input		
Input Channels	8	
Input Type	Wet Contact (Sink, Source)	
On Voltage Level	+10 VDC ~ +50 VDC	
Off Voltage Level	+4 VDC Max	
Input Impedance	10 kΩ	
Counters	Max. Count	65535 (16 bits)
	Max. Input Frequency	50 Hz
	Min. Pulse Width	10 ms
Overvoltage Protection	+70 VDC	
Digital Output		
Output Channels	8	
Output Type	Open Collector (Source)	
Max Load Current	650 mA/channel at 25 °C	
Output Voltage	+10 VDC ~ +40 VDC	
Overvoltage Protection	47 VDC	
Overload Protection	-	
Short Circuit Protection	Yes	

