

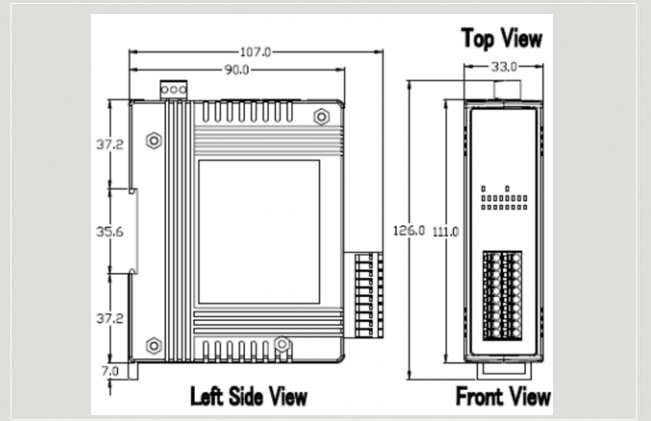


# EtherNet/IP Series Products

## Isolated 8-ch DI and 8-ch DO EtherNet/IP module



**EIP-2055**



**Dimensions**

The EIP-2055 is a remote digital I/O module with 8 inputs and 8 outputs. It is designed as an EtherNet/IP adapter. With 2 Ethernet ports, the EIP-2055 allows daisy chain connection which permits the flexibility in locating devices, eases installation and lowers infrastructure costs. Users can obtain the I/O as well as the connection status of the EIP-2055 by the LEDs. In addition, ICPDAS provides software utility to easily configure and test the EIP-2000 modules via Ethernet.

### Features

- Transfer protocol: EtherNet/IP
- Powerful 32-bit MCU handles efficient network traffic
- 10/100 Base-TX Ethernet, RJ-45 x 2 (Auto-negotiating, auto MDI/MDIX, LED Indicators)
- Support ARP, TCP, UDP, ICMP, DHCP, BOOTP and TFTP protocols
- Easy firmware update via Ethernet
- Removable terminal block connector
- LED display to indicate the I/O status
- Built-In I/O
  - DI/Counter: 8 Channels
  - DO: 8 Channels
- Power-On-Value
- Safe-Value
- RoHS compliant

### Utility Features

ICPDAS provides the EIP-2000 configuration utility for Windows 2K/XP/Vista and Win 7.

- Network parameters configuration
- Settings for power-on value and safe value.
- DI counters inspection
- Easy test to transmit/receive the I/O status by EtherNet/IP
- Setting files management



### Wire connection

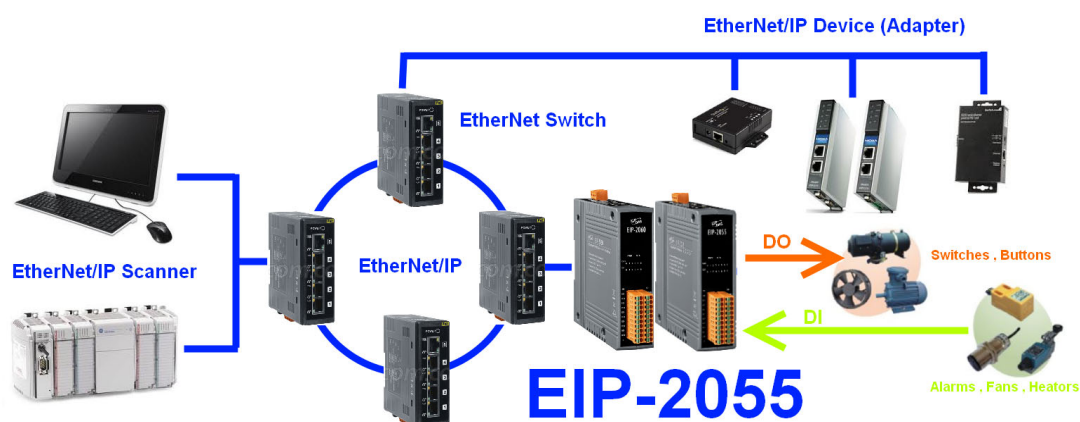
Input	ON	OFF
Relay Contact (Dry)	Relay Close 	Relay Open 
Open Collector (Dry)	ON 	OFF 
Relay Contact (Wet)	Relay Close 	Relay Open 
NPN Output (Wet)	ON 	OFF 
Output	ON	OFF
Drive Relay		
Resistance Load		



## Hardware Specifications

Digital Input		
Channels	8	
Input Type	Dry Contact: Source, Wet Contact: Sink / Source	
Dry Contact Level	Off Voltage Level: Open      On Voltage Level: Close to GND	
Wet Contact Level	Off Voltage Level: +4V max      On Voltage Level: +10 V ~ +50 V	
Counters	Channels	8
	Max. Counts	32-bit (4294967295)
	Max. Input Frequency	5KHz
Photo-Isolation	3750 V <sub>DC</sub>	
Digital Output		
Channels	8	
Isolation Voltage	3750 V <sub>DC</sub>	
Type	Open Collector	
Sink/Source(NPN/PNP)	Sink	
Load Voltage	+3.5 ~ +50 V	
Max. Load Current	700mA per channel	
Communication Interface		
Connector	10/100 Base-TX, 8-pin RJ-45x2 . Support daisy chain connection	
Standard Supported	IEEE 802.3 Ethernet/IP	
Power		
Input Voltage Range	10V ~ 30V	
Power Consumption	1.6W	
Mechanism		
Installation	DIN-Rail	
Dimensions	110mm x 90mm x 33mm (H x W x D)	
Environment		
Operating Temperature	-25°C ~ +75°C	
Storage Temperature	-30°C ~ +80°C	
Humidity	10% ~ 90%	

## Applications



## Ordering Information

<b>EIP-2055 CR</b>	Isolated 8-ch DI & 8-ch DO EtherNet/IP Module (RoHS)
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