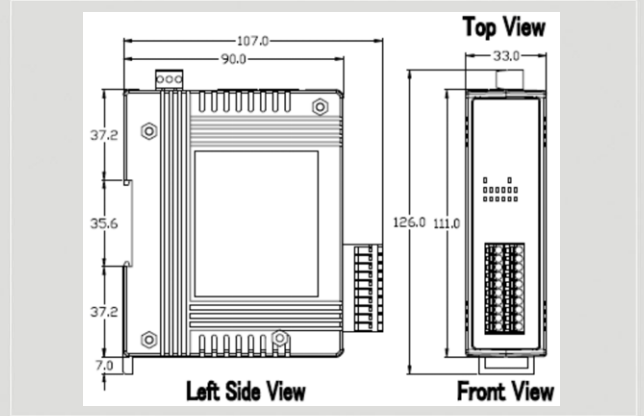# EtherNet/IP Series Products

Isolated 16-ch DI EtherNet/IP module
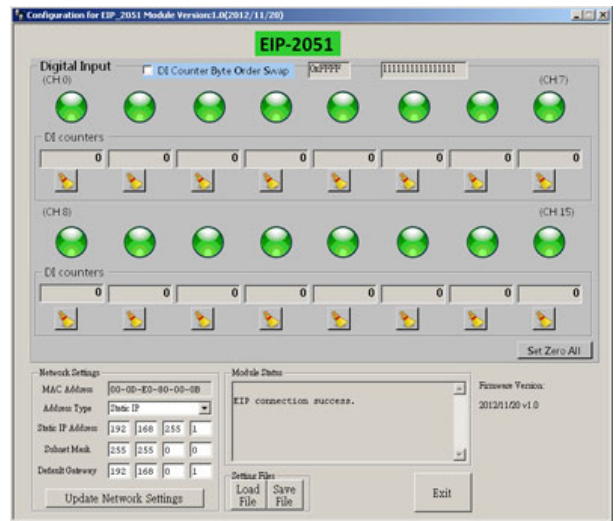
RoHS CE FC

EIP-2051

Dimensions

The EIP-2051 is a remote digital input module with 16 inputs. It is designed as an EtherNet/IP adapter. Users can obtain the input status as well as the connection status of the EIP-2051 by the LEDs indication. 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: 16 Channels
- RoHS compliant

Utility Features

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

- Network parameters configuration
- DI counters inspection
- Functions configuration such as DI counters set zero
- Easy test to transmit/receive the I/O status by EtherNet/IP
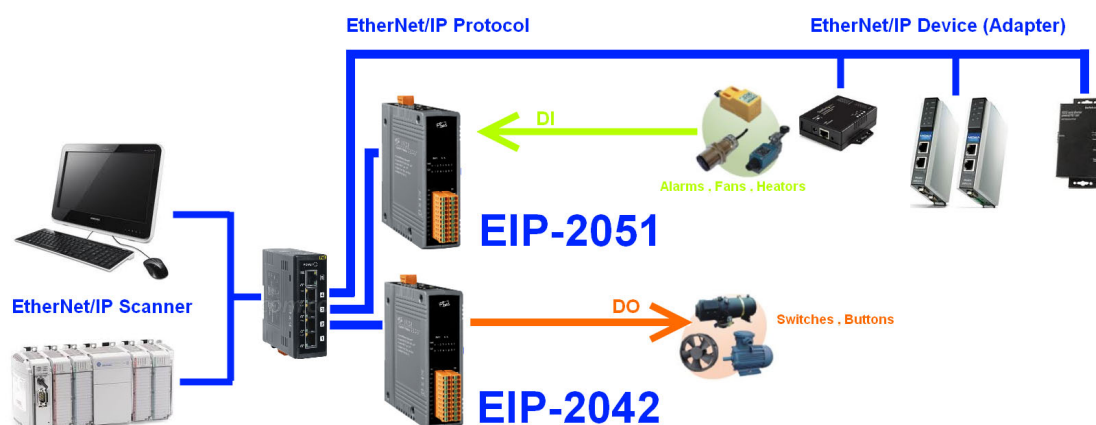- Setting files management

Wire connection

Input	ON	OFF
Relay Contact (Dry)	Relay Close — DIx / GND	Relay Open — DIx / GND
Open Collector (Dry)	ON — DIx / GND	OFF — DIx / GND
Relay Contact (Wet)	Relay Close — DI.COM / DIx	Relay Open — DI.COM / DIx
NPN Output (Wet)	ON — DI.COM / DIx	OFF — DI.COM / DIx

Hardware Specifications

Digital Input			
Channels		16	
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	16	
	Max. Counts	32-bit (4294967295)	
	Max. Input Frequency	5 kHz	
Photo-Isolation		3750 V_{DC}	
Connector		10/100 Base-TX, 8-pin RJ-45 x 2. 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℃ ~ +75℃	
Storage Temperature		-30℃ ~ +80℃	
Humidity		10% ~ 90%	

Applications

Ordering Information

EIP-2051 CR	Isolated 16-ch DI EtherNet/IP Module (RoHS)