EIP-2060
EtherNet/IP module – 6 DI and 6 Relay

Features

- Transfer protocol: EtherNet/IP
- 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: 6 Channels
                          Relay: 6 Channels
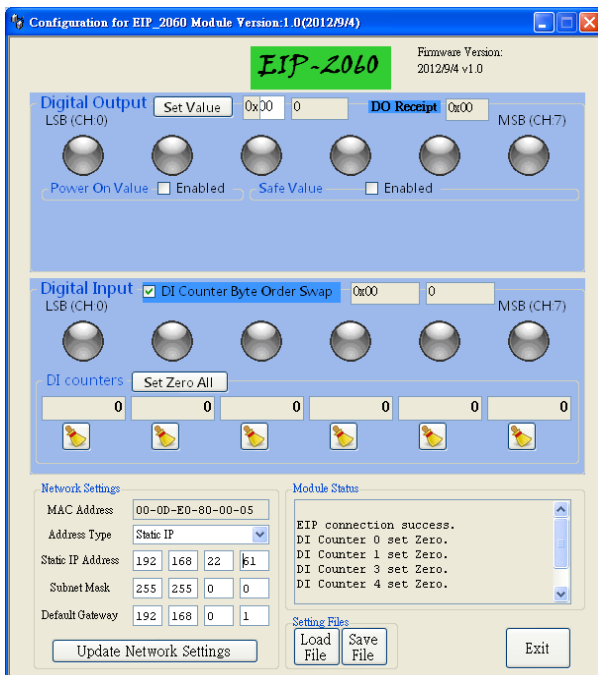- Power-On-Value
- Safe-Value
- RoHS compliant

Introduction

The EIP-2060 is a remote I/O module with 6 DIs and 6 relays. It is designed as an EtherNet/IP adapter. With 2 Ethernet ports, the EIP-2060 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-2060 by the LEDs. In addition, ICPDAS provides software utility to easily configure and test the EIP-2000 modules via Ethernet.
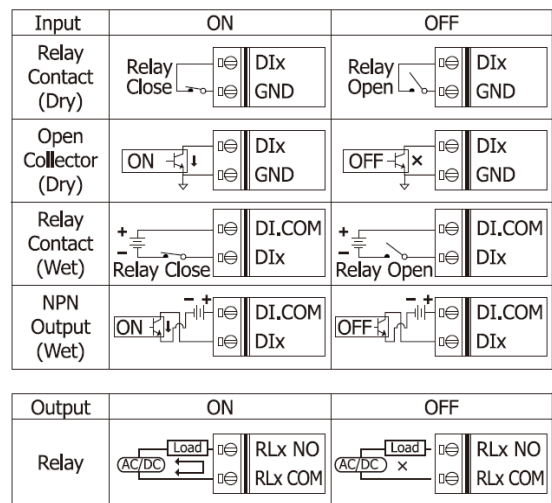
Utility Features

ICP DAS provides the EIP-2000 configuration utility for Windows 2K/XP/Vista and Win 7.
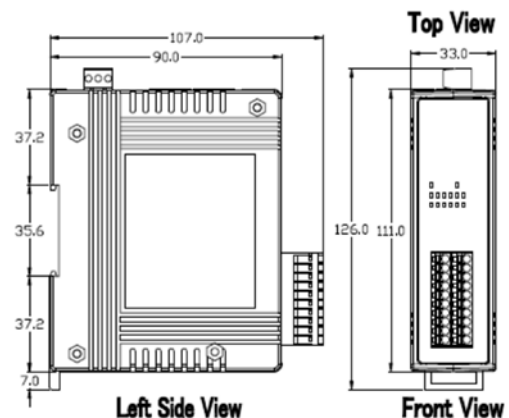
- Network parameters configuration
- Settings for power-on value and safe value.
- Easy test to transmit/receive the I/O status by EtherNet/IP
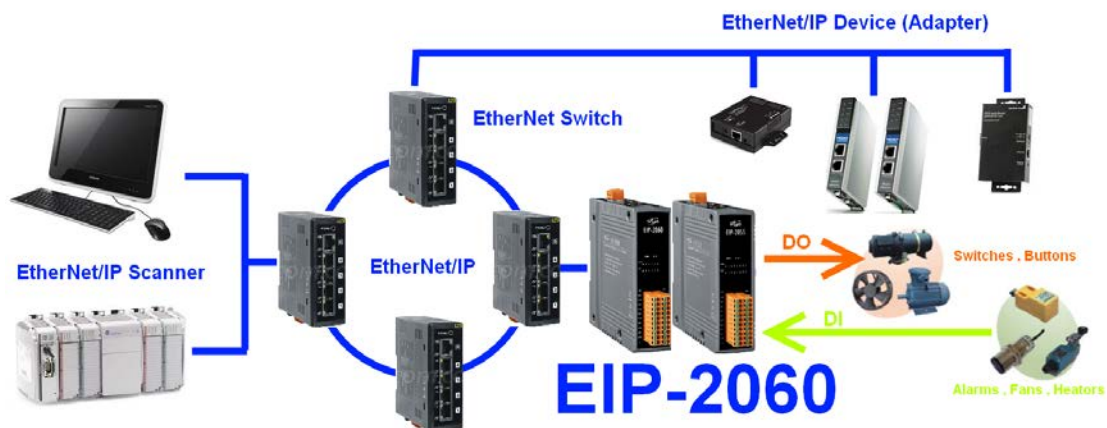- Setting files management

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

Output	ON	OFF
Relay	AC/DC — Load — RLx NO / RLx COM	AC/DC — Load × — RLx NO / RLx COM

Dimensions (Units: mm)

Top View — 33.0
Left Side View — 107.0 / 90.0 / 37.2 / 35.6 / 37.2 / 7.0
Front View — 126.0 / 111.0

■ Hardware Specifications

Digital Input / Counter		
Channels	6	
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: +1V_{DC} Max.	On Voltage Level: +5V_{DC} ~ +50 V_{DC}
Counters	Max. Count	32-bit (4,294,967,295)
	Max. Input Frequency	3 kHz
	Programmable Digital Filter	1~6500 ms (0.08 Hz ~ 500 Hz)
Overvoltage Protection	+70 V_{DC}	

Power Relay		
Channels	6	
Type	Power Relay, Form A(SPST-NO)	
Contact Rating	5A @ 250V_{AC} / 24V_{DC}(Resistive Load)	
Min. Contact Load	10 mA @ 5 V	
Operate Time	10 ms (max.)	
Release Time	5 ms (max.)	
Mechanical Endurance	2×10^7 ops.	
Electrical Endurance	10^5 ops.	
Power-on Value	Yes, Configurable	
Safe Value	Yes, Configurable	

Communication Interface	
Connector	10/100 Base-TX, 8-pin RJ-45 x 2 Support daisy chain connection
Standard Supported	IEEE 802.3 Ethernet/IP

Power	
Reverse Polarity Protection	Yes
Powered from Terminal Block	+10 ~ 30V_{DC}
Consumption	3.3 W(Max.)

Mechanism	
Dimensions (W x L x H)	33 mm x 127 mm x 99 mm
Installation	DIN-Rail or Wall mounting

Environment	
Operating Temperature	-25°C ~ +75°C
Storage Temperature	-30°C ~ +80°C
Humidity	10 ~ 90% RH, Non-condensing

■ Application

■ Ordering Information

EIP-2060 CR	Isolated 6-ch DI & 6 Relay Output EtherNet/IP Module