

EtherNet/IP Series Products

EtherNet/IP module – 6 DI and 6 Relay

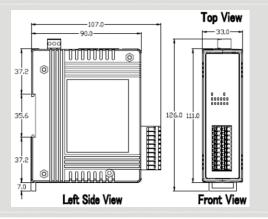








EIP-2060



Dimensions

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-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-2060 by the LEDs. In addition, ICPDAS provides software utility to easily configure and test the EIP-2000 modules via Ethernet.

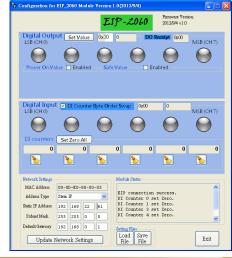
Features

- 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: 6 Channels
 - Relay: 6 Channels
- Power-On-Value
- Safe-Value
- RoHS compliant

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.
- 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 DIx GND	Relay GND DIX GND	
Open Co ll ector (Dry)	ON - I DIX GND	OFF-√x □⊖ DIx GND	
Relay Contact (Wet)	+ DI.COM DIX	+	
NPN Output (Wet)	ON LIFT OF DI.COM DIX	OFF DI.COM DIX	

Output	ON	OFF
Relay	RLx NO RLx COM	AC/DC) × □⊖ RLx NO RLx COM





Hardware Specifications

Digital Input	,			
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: +4V max	On Voltage Level: +10 V ~ +50 V	
Counters	Channels	6		
	Max. Counts	32-bit (4294967295)		
	Max. Input Frequency	5KHz		
Photo-Isolation		3750 V _{DC}		
Digital Outp	ut			
Channels		6		
Output Type		Form A(SPST-NO)		
Contact Rating(Resistive Load)		5A 250VAC (47~63Hz)		
		5A 30 V _{DC}		
Operate Time		10ms max.		
Release Time		5ms max.		
Insulation Resistance		$1,000 \mathrm{M}\Omega\mathrm{s}$ at $500~\mathrm{V}_\mathrm{DC}$		
Dielectric Strength		Between Open Contact	1000VAC (1 min.)	
		Between Coil and Contacts	3000VAC (1 min.)	
Endurance		Mechanical	20,000,000 times min.	
		Electrical	100,000 times min.	
Communicat	ion Interface			
Connector		10/100 Base-TX, 8-pin RJ-45 x 2 Support daisy chain connection		
Standard Supported		IEEE 802.3 Ethernet/IP		
Power				
Input Volta	ge Range	$10V \sim 30V$		
Power Consumption		1.6W		
Mechanism				
Installation		DIN-Rail		
Dimensions		110mm x 90mm x 33mm (H x W x D)		
Environment	t			
Operating Temperature		-25°C ~ +75°C		
Storage Temperature		-30°C ~ +80°C		
Humidity		10 ~ 90% RH, non-condensing		

Applications



Ordering Information

EIP-2060 CR

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