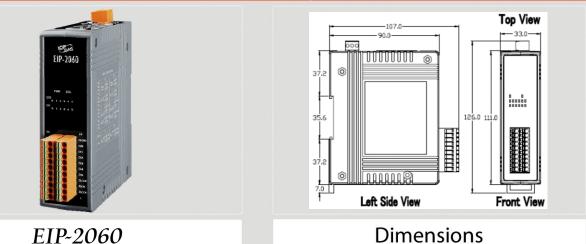
EtherNet/IP Series Products

EtherNet/IP module – 6 DI and 6 Relay



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

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

	EIP_2060 Modu				_
		£1	P-2060	Firmware Versi 2012/9/4 v1.0	ion:
Digital Outp	out Set Value	0cx0	0 00	Receipt 0x00	MSB (CH
		0			
				Enabled	\bigcirc
Power On Va	alue 🔄 Enabled	LSare	Value 🔲 I	enabled	
Digital Inpu LSB (CH:0)	t 🔽 DI Counte	r Byte Ord	er Swap 0x00	0	MSB (CH
LSB (CH.0)	0	\cap	\circ	\cap	NISB (CH.
\bigcirc	$\overline{\mathbf{O}}$	Θ	$\mathbf{\Theta}$	$\mathbf{\Theta}$	$\mathbf{\Theta}$
DI counters	Set Zero All	10			
DI counters	Set Zero All	J	0 (0 0	
) }	0 ()	0 0	8
) >>	0 0	0 0	٤
0	0) >	0 C	0 0	٤
0 Network Settings MAC Address	0 00-00-E0-80-0	%	2	N	>
0 Network Settings MAC Address Address Type	0 00-00-E0-80-0 Static IP	~	Module Status EIP connectio DI Counter 0	n success. set Zero.	>
0 Network Settings MAC Address	0 00-00-E0-80-0	~	Module Status EIP connectio DI Counter 1 DI Counter 3	n success. set Zero. set Zero.	>
0 Network Settings MAC Address Address Type	0 00-00-E0-80-0 Static IP	~	Module Status EIP connectio DI Counter 0 DI Counter 1	n success. set Zero. set Zero.	•
0 Network Settings MAC Address Address Type Static IP Address	0 00-00-E0-80-(Static IP 192 168 22	61	Module Status EIP connectio DI Counter 1 DI Counter 3	n success. set Zero. set Zero.	

Wire connection

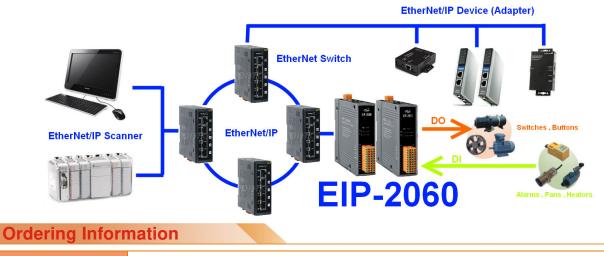
Input	ON	OFF	
Relay Contact (Dry)	Relay BIX Close GND	Relay DIx Open GND	
Open Co ll ector (Dry)	ON	OFF-∹,x □⊖ DIx ↓ □⊖ GND	
Relay Contact (Wet)	+ = Relay Close □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	+ - Relay Open □⊖ DI.COM DIx	
NPN Output (Wet)			
Output	ON	OFF	
Relay			

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: $+10 \text{ V} \sim +50 \text{ V}$	
Counters	Channels	6		
	Max. Counts	32-bit (4294967295)		
	Max. Input Frequency	5KHz		
Photo-Isolation		3750 V _{DC}		
Digital Outpu	ıt			
Channels		6		
Output Type	e	Form A(SPST-NO)		
Contact Pat	ting(Resistive Load)	5A 250VAC (47~63Hz)		
Contact Ka	ling(Resistive Load)	5A 30 V _{DC}		
Operate Time		10ms max.		
Release Tin	ne	5ms max.		
Insulation Resistance		1,000M Ω s at 500 V _{DC}		
Dielectric Strength		Between Open Contact	1000VAC (1 min.)	
Dielectric S	ouengui	Between Coil and Contacts	3000VAC (1 min.)	
Endurance		Mechanical	20,000,000 times min.	
Endurance		Electrical	100,000 times min.	
Communicat	ion Interface			
Connector		10/100 Base-TX, 8-pin RJ-45 x 2 Support daisy chain connection		
Standard Su	ipported	IEEE 802.3 Ethernet/IP		
Power				
Input Voltage Range		$10V \sim 30V$		
Power Cons	sumption	1.6W		
Mechanism				
Installation		DIN-Rail		
Dimensions		110mm x 90mm x 33mm (H x W x D)		
Environment				
Operating Temperature		$-25^{\circ}\text{C} \sim +75^{\circ}\text{C}$		
Storage Temperature		$-30^{\circ}\text{C} \sim +80^{\circ}\text{C}$		
Humidity		10 ~ 90% RH, non-condensing		

Applications



EIP-2060 CR

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