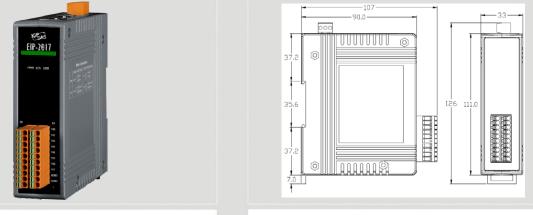
EtherNet/IP Series Products

Isolated 8-ch DIFF./16-ch S.E. Al EtherNet/IP module 🐜 🕻 🗲 FC



EIP-2017

Dimensions

The EIP-2017 is an 8-ch Differential and 16-ch Single-Ended AI module. The module provides a jumper to switch Differential and Single-Ended mode. It supports voltage and current input type. The accuracy of the measurement is smaller than 0.1% FSR. The Module is designed as an EtherNet/IP adapter. Users can obtain the input status as well as the connection status of the EIP-2017 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
- Analog Input
 - Differential: 8 Channels
 - Single-Eended: 16 Channels
- Internal resistors (125Ω) selectable for Differential mode
- RoHS compliant
- Utility Features

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

- Network parameters configuration
- AI parameters configuration
- Functions configuration such as Type Code selection.
- Easy test to transmit/receive the I/O status by EtherNet/IP
- Setting files management

					EI	P-2017				Firmware Version
Analog Inj	out Statu	s								2013/11/5 v1.1
🗹 Sel	ect All C	Channel		Type Cod	e					Type Code
	CH0	0.001	V	+/-10V	~		CH8	0	¥	+/-10V 💌
	CH1	0.001	v	+/-10V	~		CH9	0	¥	+/-10V 💌
	CH2	0	V	+/-10V	~		CH10	0	¥	+/-10V 💌
	CH3	0.001	v	+/-107	~		CH11	0	¥	+/-107 🖌
	CH4	0.001	v	+/-10V	~		CH12	0	¥	+/-10V 🔽
	CH2	0	v	+/-10V	~		CH13	0	¥	+/-10V 💌
✓	CH6	0.001	v	+/-10V	~		CH14	0	¥	+/-10V 💌
	CH7	0	٧	+/-10V	~	✓	CH15	0	¥	+/-10V 💌
fetwork S	ottings				AI Peo	remeters	Mo	dule Status		
MAC Address 00		00-0D-E0-	00-0D-E0-80-00-16			50Hz 🔽				2
Address Type		Static IP 💌			Unit	Engineer 🔽		P connectio :16.16)	n succ	ess.(11-21
Static IP Address		192 168 255 1			CH	DIFF. 🔽	02	.10.10)		
Subnet Mask		255 255 0 0		Setting Files						
Default Gateway		192 168 0 1		Loa Fil						

W	ire connection			
AI	Voltage Input Wiring	Current Input Wiring		
DIFF.	mV/V ↓ □⊖ VIX □⊖ VIX-	$mA^{+}_{-125 \Omega} \xrightarrow{D\ominus} VIX_{VIX-}$		
S.E.	mV/V ↓ □⊖ VIX/VIX- □⊖ AGND	$mA \stackrel{+}{\bigoplus}_{125 \Omega} \stackrel{\square \bigoplus}{\square \bigoplus} \stackrel{VIX/VIX-}{AGND}$		

Hardware Specifications



therNet/IP Series

Analog Input						
Channels	8-ch differential or 16-ch single-ended (Jump selectable)					
	Voltage : ±150 mV, ±500 mV, ±1 V, ±5 V, ±10 V					
Input Type	Current : $0 \sim +20$ mA, $+4 \sim +20$ mA, ± 20 mA (Jumper Selectable in DIFF mode. An external resistor is required in SE mode)					
Resolution	24bits					
Sampling Rate	10 samples/ second					
Accuracy	+/-0.1%					
Zero Drift	+/-20uV/°C					
Span Drift	+/-25ppm/°C					
Input Impedance	Voltage Input: >400 kΩ, Current Input: 125 Ω					
Intra-Module Isolation, Field-to-Logic	3000 VDC					
Overvoltage protection	240 Vrms					
Individual Channel Configuration	Yes					
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						
Input Voltage Range	$10V \sim 30V$					
Power Consumption	3.8W					
Mechanism						
Installation	DIN-Rail					
Dimensions	110mm x 90mm x 33mm (H x W x D)					
Environment						
Operating Temperature	-25 ~ 75 °C					
Storage Temperature	-30 ~ 80 °C					

Applications



Ordering Information

EIP-2017 CR

Isolated 8-ch DIFF./16-ch S.E. AI EtherNet/IP Module (RoHS)