



## EIP-2017

Isolated 8-ch DIFF./16-ch S.E. AI  
EtherNet/IP module

### Features

- Transfer protocol: EtherNet/IP
- 10/100 Base-TX Ethernet, RJ-45 x 2 (Auto-negotiating, auto MDI/MDIX, LED Indicators)
- Easy firmware update via Ethernet
- Removable terminal block connector
- LED display to indicate the I/O status
- Analog Input
  - Differential: 8 Channels
  - Single-Ended: 16 Channels
- Internal resistors (125Ω) selectable for Differential mode



### Introduction

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.

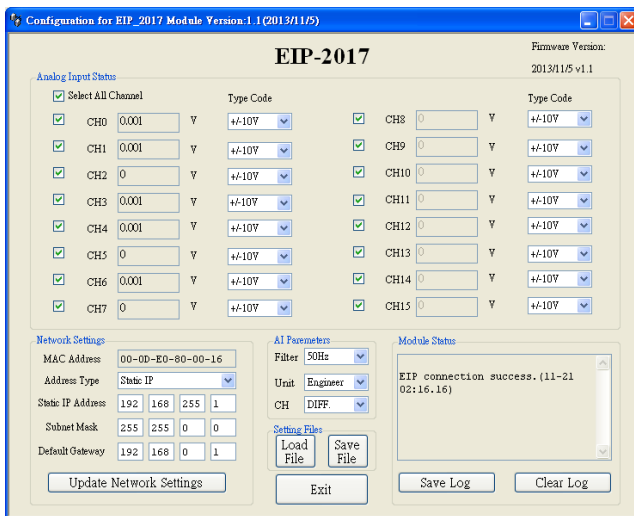
### Utility Features

ICPDAS provides the EIP-2000 configuration utility for Windows 2K/XP/Vista and Win 7. Network parameters configuration

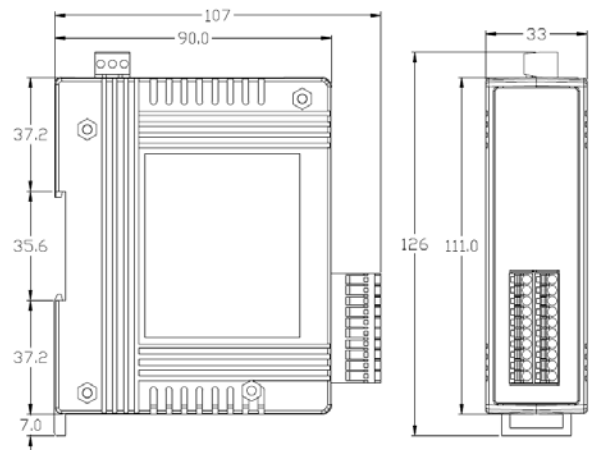
- Network parameters configuration
- AI parameters configuration
- Functions configuration such as Type Code selection
- Easy test to transmit/receive the I/O status by EtherNet/IP
- Setting files management

### Internal I/O Structure

AI	Voltage Input Wiring	Current Input Wiring
DIFF.		
S.E.		



### Dimensions (Units: mm)



## Specifications

Analog Input	
Channels	8-ch differential or 16-ch single-ended (Jump selectable)
Input Type	Voltage : $\pm 150$ mV, $\pm 500$ mV, $\pm 1$ V, $\pm 5$ V, $\pm 10$ V
	Current : $0 \sim +20$ mA, $+4 \sim +20$ mA, $\pm 20$ mA (Jumper Selectable in DIFF mode. An external resistor is required in SE mode)
Resolution	24bits
Sampling Rate	10 samples/ second
Accuracy	$\pm 0.1\%$
Zero Drift	$\pm 20$ $\mu$ V/ $^{\circ}$ C
Span Drift	$\pm 25$ ppm/ $^{\circ}$ C
Input Impedance	Voltage Input: $>400$ k $\Omega$ , Current Input: 125 $\Omega$
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 ~ 30V
Power Consumption	3.8W
Mechanism	
Installation	DIN-Rail
Dimensions	110mm x 90mm x 33mm (H x W x D)
Environment	
Operating Temperature	$-25 \sim 75$ $^{\circ}$ C
Storage Temperature	$-30 \sim 80$ $^{\circ}$ C

## Application



## Ordering Information

<b>EIP-2017 CR</b>	Isolated 16-ch DI EtherNet/IP Module (RoHS)
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