

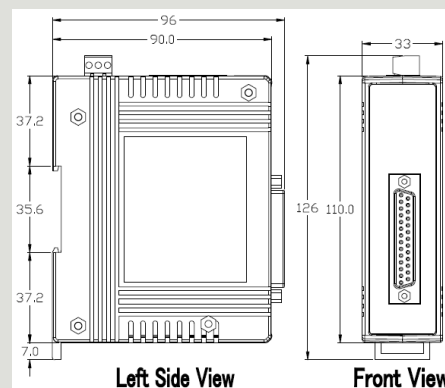


EtherNet/IP Series Products

Isolated 8-ch Thermocouple AI EtherNet/IP module



EIP-2019



Dimensions

The EIP-2019 is an 8-ch remote analog input module. It supports not only voltage and current(internal resistors selectable) input type but also thermocouple type with B,C,E,J,K,N,R,S,T. There is an automatically cold-junction compensation (CJC) for each channel. 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-2019 by the LEDs indication. In addition, ICPDAS provides software utility to easily configure and test the EIP-2000 modules via Ethernet.

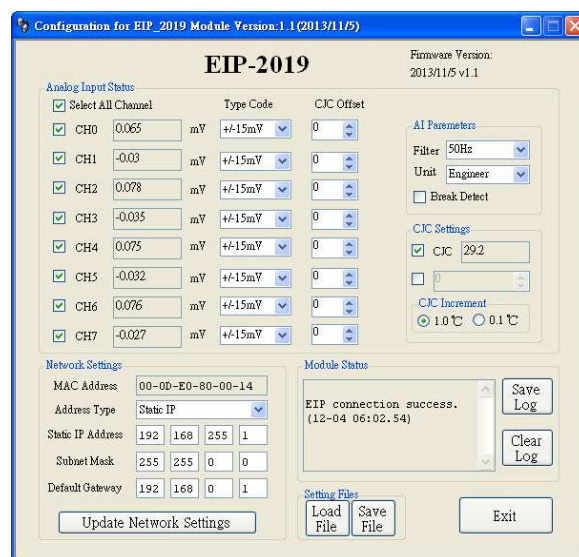
Features

- 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
- 8-ch analog Inputs
- Internal resistors (125 Ω) selectable
- Support cold-junction compensation(CJC)
- RoHS compliant

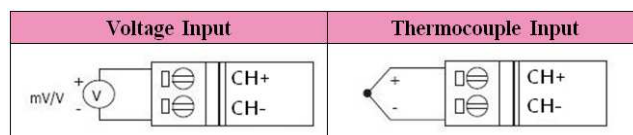
Utility Features

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

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



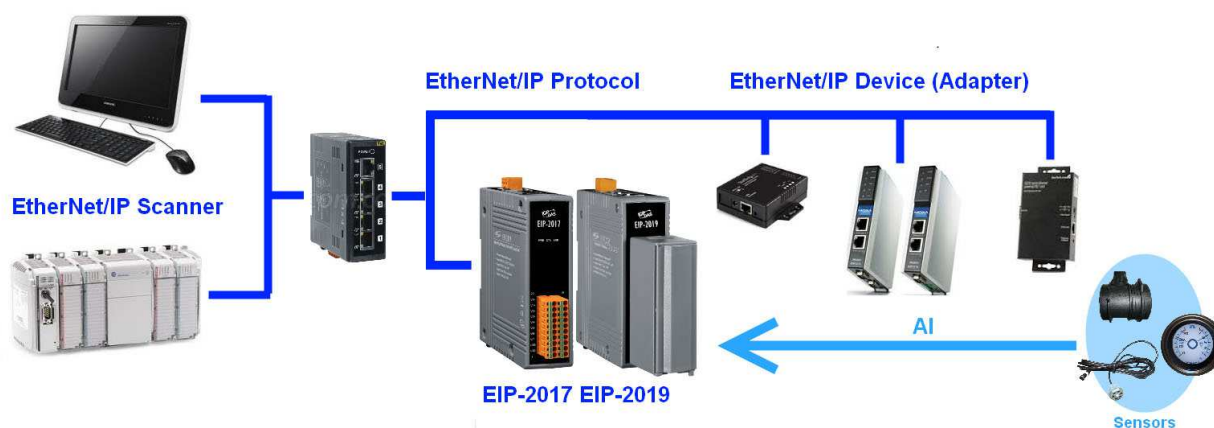
Wire connection



Hardware Specifications

Analog Input	
Channels	8-ch Thermocouple Analog Input
Input Type	Voltage: ± 15 mV, ± 50 mV, ± 100 mV, ± 150 mV, ± 500 mV, ± 1 V, ± 2.5 V, ± 5 V, ± 10 V
	Thermocouple :B,C,E,J,K,N,R,S,T
	Current : ± 20 mA (Jumper Selectable)
Resolution	24bits
Sampling Rate	10 samples/ second
Accuracy	$\pm 0.1\%$
Zero Drift	$\pm 20 \mu\text{V}/^\circ\text{C}$
Span Drift	$\pm 25 \text{ppm}/^\circ\text{C}$
Input Impedance	Voltage Input: $>400 \text{ k}\Omega$, Current Input: 125Ω
Intra-Module Isolation, Field-to-Logic	3000 VDC
Overvoltage protection	240 Vrms
Individual Channel Configuration	Yes
Open Wire Detection	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	
Storage Temperature	$-30^\circ\text{C} \sim +80^\circ\text{C}$

Applications



Ordering Information

EIP-2019 CR Isolated 8-ch Thermocouple AI EtherNet/IP Module (RoHS)