

● **EIO-A-280: 8AI, 4~20mA, 0~10V, RS485/Ethernet/WiFi Analog Input Module**



Order Information:

Model No.: EIO-A-280

● **FEATURES**

➤ **Protocol Support**

ARP, ICMP, TCP, UDP, IP, DHCP Client, HTTP,SNMP(Optional), Modbus TCP, Modbus RTU

➤ **Support Interface**

RJ-45 Port x1, 100Mbps, 2KV
RS-232 Port x1 up to 115.2Kbps, RTS/CTS H/W low control *
Half Duplex for RS485 x 1
WiFi x 1 (Option)
8AI: 8 Channel Analog Input

➤ **Configurable Parameters**

Browser or Setup Tool

➤ **High Reliability**

Stable and Robust
Working 24 Hours per day

➤ **Multi-Channel and High Resolution**

6 single-ended input channels
16-bit resolution

➤ **Supports 2 Operation Mode**

Current Inputs: 4~20mA, 0~10V

➤ **Built-in high/low limitation detection**

Manually adjusted Engineering Limitations

➤ **Low Power Consumption**

24VDC Power In, Less than 2W Power Consumption

● **GENERAL DESCRIPTIONS**

EIO-A-280 is a Analog Input module with 8 channel 24bit true differential analog input, and also with RS485 or Ethernet communication ports which using the ARM Cortex M3's family microprocessor as the Ethernet controller with limit devices. It can provide you lower cost high accuracy analog to digital up to 24bits.

EIO-A-280 is easy to implement an application into IA, Automatic, Security and any low data rate data transmit ion as a coprocessor. EIO-A-280 supports

● **APPLICATIONS**

Sensors Input
Temperature Sensor Input
Humidity Sensor Input
Water Sensor Input
Gauge Sensor Input
Pressor Sensor Input
Power Meter
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the ARP, ICMP, TCP, UDP, IP, DHCP-Client and HTTP protocols, also support SNMP(Optional) , Sntp(Optional). You can use the browser to setting parameters of the EIO-A-280, or you can use the commands to setting parameters of the EIO-A-280. It is easy to management in Individual or via Application software.

● **SPECIFICATION**

• **Analog Input**

Input Type	Single-ended input channels
Number of Input	8
Input Type	Current Inputs: 4~20mA, 0~10V
Resolution	16Bit, (A/D sampling 24Bits)

• **Ethernet Interface**

Protocol	Modbus TCP
Number of Ports	1
Speed	10/100 Mbps, Auto MDI/MDIX
Connector	8-pin RJ45
Transformer Isolation Protection	1500Vrms

• **Serial Interface**

Protocol	Modbus RTU/ASCII Slave
Number of Ports	1
Serial Standards	RS485-3w x1
Connectors	Terminal Block
ESD Protection	15 kV for all signals
RS-485 Data Direction Control	automatic data direction control
Photo Coupler Isolation Protection	UL recognized: 3750 VAC for 1 min. per U.L.

• **Serial Communication Parameters**

Data Bits	7, 8
Stop Bits	1, 2
Parity	None, Even, Odd
Flow Control	
Baudrate	300 bps to 115.2 kbps

• Serial Signals

RS-485-3w	Data+, Data-
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• WiFi

Wireless	802.11
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• Software

Configuration Options	HTTP Web Console, Windows Setup Utility
Utilities	Setup Utility for Windows

• Physical Characteristics

Housing	PC (polycarbonate)
Weight	300 g
Dimensions	Without ears: mm
	With ears: mm

• Environmental Limits

Operating Temperature	0 to 60°C (32 to 140°F)
Storage Temperature	-40 to 85 °C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)
Altitude	Up to 2000 m (795 hPa), higher altitudes on demand

Note

• Power Requirements

Input Voltage	12 to 36 VDC
Power Connector	Terminal block
Power Consumption	60 mA @ DC24V
Isolation	1500Vrms

• Standards and Certifications

EMC	CE
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• Reliability

MTBF (mean time between failures)

• **Warranty**

Warranty Period 1 year

Details See <http://www.infosystem.com.tw>

● **Dimension**

● **Connection**

● **Configuration**

RS485 Console Setting

DIP Switch for Modbus ID

● **Installation**

Wall Mount

Din Rail (Optional Din Rail Kit)