



# ET-7017

8-channel Analog Input with High Voltage Protection and 4-channel Isolated Output Module

## Voltage & Current

### Features

- Built-in Web Server
- Communication Security
- Modbus/TCP Protocol
- 2-way Isolated Noise/Surge Protection
- Built-in Dual Watchdog
- 10/100 Base TX Ethernet
- I/O Pair Connection
- AI type: 8 Differential (mV, V, mA)
- DO type: 4 Open Collector Output



### Introduction

The ET-7017, a web-based Ethernet I/O module, features a built-in web server, which allows configuration, I/O monitoring and I/O control by simply using a regular web browser. Besides, with the web HMI function, no more programming or HTML skills are needed; creating dynamic and attractive web pages for I/O monitoring and I/O control would be fun to engineers ever after. The ET-7017 offers easy and safe access for users from anytime and anywhere! In addition, ET-7017 also supports Modbus/TCP protocol that makes seamless integration to SCADA software.

The ET-7017 is a 16-bit, 8-channel differential analog inputs and 4-channel digital outputs module that provides programmable input range on all analog channels (+/-150mV, +/-500mV, +/-1V, +/-5V, +/-10V, +/-20mA, 0~20mA and 4~20mA) and digital output can be set alarm output. Each analog channel is allowed to configure an individual range and has 240Vrms high over voltage protection. Jumper selectable for voltage or current input.

### Applications

Building Automation, Factory Automation, Machine Automation, Remote Maintenance, Remote diagnosis, Testing Equipment

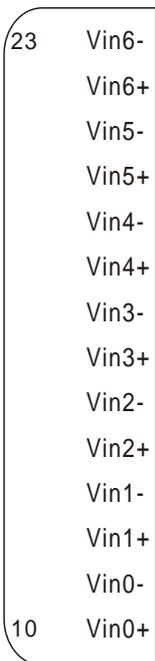
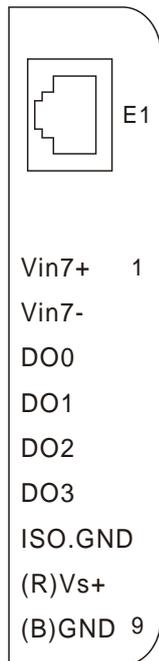
### I/O Specifications

<b>Analog Input</b>	
Channels	8 Differential
Input Type	+/-150mV, +/-500mV, +/-1V, +/-5V, +/-10V, +/-20mA, 0~20mA, 4~20mA (jumper selectable)
Resolution	16-bit (Normal Mode) 12-bit (Fast Mode)
Sampling Rate	10 samples/second (Normal Mode) 60 samples/second (Fast Mode) total
Accuracy	+/-0.1% (Normal Mode) +/-0.5% (Fast Mode) or better
BandWidth	15.7Hz (Normal Mode) 78.7Hz (Fast Mode)
Zero drift	+/-20uV/°C
Span drift	+/-25ppm/°C
Input Impedance	Voltage: 2M Ohms Current: 125 Ohms
Common Mode Rejection	86dB min.
Normal Mode Rejection	100dB
Over Voltage Protection	240 Vrms
ESD Protection	4KV Contact for each terminal and 8KV Air for random point
EFT Protection	4KV for Power
<b>Digital Output</b>	
Output Channels	4 (Sink)
Output Type	Isolated Open-Collector
Max Load Current	700mA/Channel
Load Voltage	5Vdc to 50Vdc

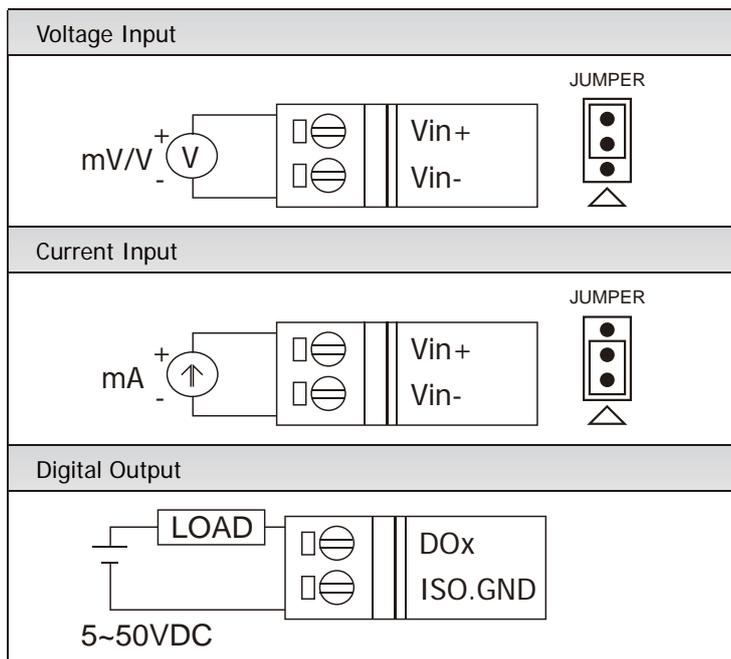
### System Specifications

<b>System</b>	
CPU	80186 CPU (80MHz)
SRAM	512K Bytes
Flash Memory	512K Bytes
EEPROM	16K Bytes
Dual Watchdog	Yes
<b>Communication LED Indicator</b>	
Ethernet Port	10/100 Base TX (with Link, Activity LED Indicator) Automation MD/MDI-X Crossover
<b>2 Way Isolation</b>	
Ethernet	1500 Vrms
AI and DO	2500 Vrms
<b>Mounting</b>	
Din Rail Mount	Yes
Wall Mount	Yes
LED Display	L1 LED as Run indicator L2 LED as Link/Act indicator L3 LED as 10/100M indicator
<b>Power Requirements</b>	
Protection	Power reverse polarity protection
Required Supply Voltage	+10Vdc to 30Vdc (non-regulated)
Power consumption	0.11A/24Vdc Max.
<b>Environment</b>	
Operating Temperature	-25°C to +75°C
Storage Temperature	-30°C to +80°C
Humidity	5% to 90% Non-condensing
Dimensions	123mm x 72mm x 33mm (W x D x H)

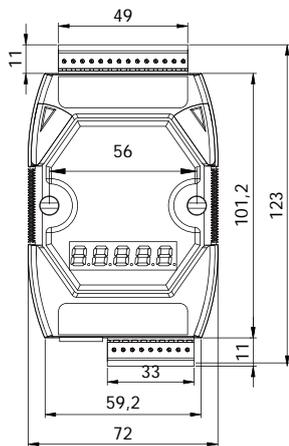
#### Pin Assignment



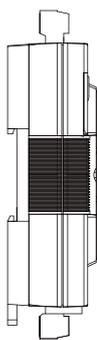
#### Wire Connection



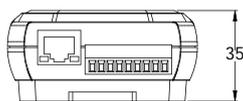
#### Dimensions (Unit : mm)



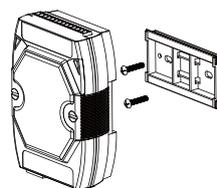
Front View



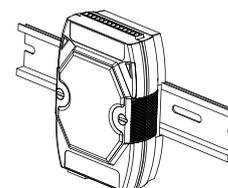
Right Side View



Bottom View



Wall Mount



Din Rail Mount

#### Ordering Information

ET-7017 CR	8-channel Analog Input with High Voltage Protection and 4-channel Isolated Output Module (RoHS)
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#### Accessories

GPSU06U-6	24V/0.25A output power supply
MDR-20-24	24V/1A output power supply with DIN-Rail
NS-205 CR	Unmanaged 5-Port Industrial Ethernet Switch



GPSU06U-6



MDR-20-24



NS-205 CR