



ET-7017

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

■ 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 ouputs module that provides programmable input range on all analog channels (+/-150 mV, +/-50 mV, +/-1V, +/-5V, +/-10V, +/-20 mA, 0 \sim 20 mA and 4 \sim 20 mA) and digital output can be set alarm output. Each analog channel is allowed to configure an individual range and has 240 Vms high over voltage protection. Jumper selectable for voltage or current input.

I/O Specifications.

Analog Input				
Input Channels		8 (Differential)		
Input Type		+/-150 mV, +/-500 mV, +/-1V, +/-5V, +/-10V		
		+/-20 mA, 0 ~ 20 mA, 4 ~ 20 mA		
		(jumper selectable)		
Resolution	Normal Mode	16-bit		
Resolution	Fast Mode	12-bit		
Sampling	Normal Mode	10 Samples/Sec. (Total)		
Rate	Fast Mode	60 Samples/Sec. (Total)		
Accuracy	Normal Mode	+/-0.1%		
Accuracy	Fast Mode	+/-0.5% or better		
Bandwidth	Normal Mode	15.7 Hz		
Dariuwiuur	Fast Mode	78.7 Hz		
Zero Drift		+/-20 uV/°C		
Span Drift		+/-25 ppm/°C		
Input	Voltage	2 ΜΩ		
Impedance	Current	125 Ω		
Common Mode Rejection		86 dB Min.		
Normal Mode Rejection		100 dB		
Overvoltage	e Protection	240 V _{rms}		
ESD Protection		+/-4 kV (Contact for each channel)		
		+/-8 kV air for random point		
EFT Protection		+/-4 kV for Power		
Digital Output				
Output Channels		4 (Sink)		
Output Type		Isolated Open Collector		
Max. Load Current		700 mA/Channel		
Load Voltage		5 V _{DC} ~ 50 V _{DC}		

Analog Input & Digital Output

Features

- Built-in Web Server
- Communication Security
- Modbus/TCP Protocol
- 2-way Isolation/ESD 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
- Over Voltage Protection is up to 240 V_{rms}
- Jumper Setting for Current or Voltage Input







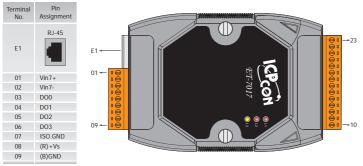
Applications.

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

System Specifications.

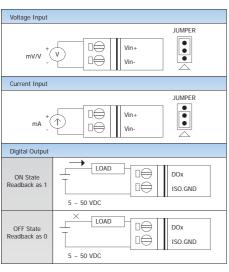
System			
CPU	80186 CPU (80 MHz)		
SRAM	512 KB		
Flash Memory	512 KB		
EEPROM	16 KB		
Dual Watchdog	Yes		
Communication			
	10/100 Base-TX (With link, activity led		
Ethernet Port	indicator) and auto MDI/MDI-X		
2-way Isolation			
Ethernet	1500 VDC		
AI and DO	2500 Voc		
	L1 LED as run indicator		
LED Display	L2 LED as Link/Act indicator		
	L3 LED as 10/100M indicator		
Power Requirements			
Protection	Power reverse polarity protection		
Required Supply Voltage	+10 Vpc ~ +30 Vpc (non-regulated)		
Power Consumption	0.10 A @ 24 Voc Max.		
Mechanical			
Dimensions (W x H x D)	72 mm x 123 mm x 35 mm		
Installation	DIN-Rail or Wall mounting		
Environment			
Operating Temperature	-25 °C ~ +75 °C		
Storage Temperature	-30 °C ~ +80 °C		
Humidity	5 ~ 90% RH, non-condensing		

Pin Assignment _

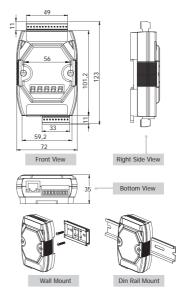


Terminal No.	Pin Assignment
23	Vin6-
22	Vin6+
21	Vin5-
20	Vin5+
19	Vin4-
18	Vin4+
17	Vin3-
16	Vin3+
15	Vin2-
14	Vin2+
13	Vin1-
12	Vin1+
11	Vin0-
10	Vin0+

■ Wire Connection _



■ Dimensions (Unit: mm) _



Ordering Information.

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

Accessories _

GPSU06U-6	24V/0.25A, 6 W Power Supply
MDR-20-24	24V/1A, 24 W Power Supply with DIN-Rail Mounting
NS-205 CR	Unmanaged 5-Port Industrial Ethernet Switch (RoHS)