



ET-7217-A5 PET-7217-A5

Ethernet I/O Module with 8-channel AI, 4-channel DO

Features

- Built-in Web Server
- Web HMI
- Support for both Modbus TCP and Modbus UDP Protocols
- Communication Security
- 2-port Ethernet Switch for Daisy-Chain Topology
- Dual Watchdog
- Wide Operating Temperature Range: -25 to +75°C
- I/O Pair Connection
- Built-in I/O
 - AI: 8 Channels High Voltage Input
 - The Analog Input range can be from ± 50 V or ± 150 V
 - Individual Channel Configurable
 - DO: 4 Channels



Introduction

The ET-7217-A5/PET-7217-A5 is a module with 8-channel differential analog inputs and 4-channel digital outputs. It provides programmable input range on all analog channels ± 50 V or ± 150 V and digital output can be set alarm output with Short-circuit protection and overload protection. Each analog channel is allowed to configure an individual range and has ± 200 VDC high overvoltage protection. The sampling rate of is changeable; there are fast mode and normal mode for your consideration. It also has qualification for 4 kV ESD protection as well as 2500 VDC intra-module isolation.

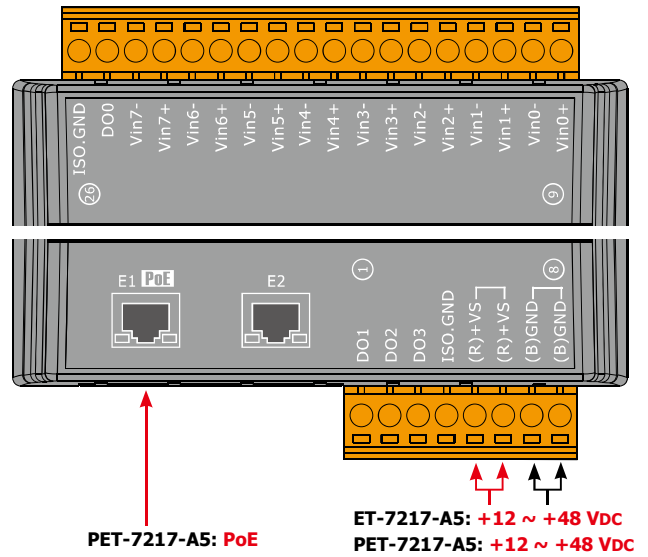
System Specifications

Model	ET-7217-A5	PET-7217-A5
Software		
Built-in Web Server		Yes
Web HMI		Yes
I/O Pair Connection		Yes
Communication		
Ethernet Port	2 x RJ-45, 10/100 Base-TX, Switch Ports	
PoE	-	Yes
Protocol	Modbus TCP, Modbus UDP	
Security	ID, Password and IP Filter	
Dual Watchdog	Yes, Module (0.8 seconds), Communication (Programmable)	
LED Indicators		
for System Running		Yes
for Ethernet Link/Act		Yes
for DI/DO status		Yes
for PoE Power	-	Yes
2-Way Isolation		
Ethernet	1500 Vdc	-
I/O	2500 Vdc	
EMS Protection		
ESD (IEC 61000-4-2)	± 4 kV Contact for Each Terminal and ± 8 kV Air for Random Point	
EFT (IEC 61000-4-4)	± 2 kV for Power Line	
Surge (IEC 61000-4-5)	± 2 kV for Power Line	
Power		
Reverse Polarity Protection		Yes
Powered from Terminal Block	12 ~ 48 VDC	12 ~ 48 VDC
Powered from PoE	-	Yes, IEEE 802.3af, Class1
Consumption	4.2 W (Max.)	4.4 W (Max.)
Mechanical		
Dimensions (L x W x H)	120 mm x 76 mm x 38 mm	
Installation	DIN-Rail or Wall Mounting	
Environment		
Operating Temperature	-25 to +75°C	
Storage Temperature	-30 to +80°C	
Humidity	10 to 90% RH, Non-condensing	

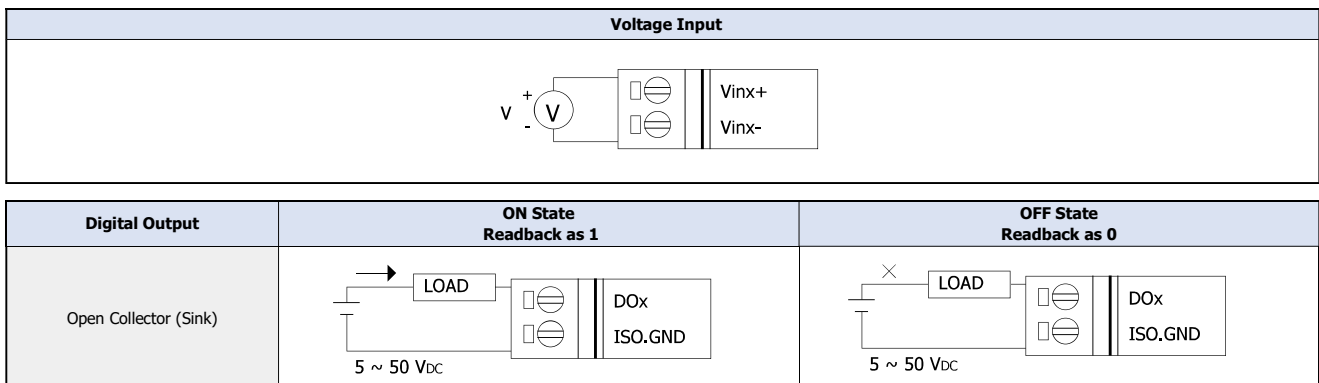
I/O Specifications

Analog Input		
Channels	8 (Differential)	
Type	$\pm 50\text{ V} \cdot \pm 150\text{ V}$	
Individual Channel Configuration	Yes	
Resolution	16-bit	
Sampling Rate	Normal Mode	10 Hz
	Fast Mode	50 Hz
Accuracy	Normal Mode	$\pm 0.1\%$
	Fast Mode	$\pm 0.5\%$ or better
Overvoltage Protection	$\pm 200\text{ Vdc}$	
Common Voltage Protection	$\pm 200\text{ Vdc}$	
Overcurrent Protection	-	
Virtual Channel to Channel Isolation	Yes, 400 VDC	
Input Impedance	Voltage	290 k Ω
	Current	-
Digital Output		
Channels	4	
Type	Isolated Open Collector	
Sink/Source (NPN/PNP)	Sink	
Max. Load Current	700 mA/Channel	
Load Voltage	5 Vdc ~ 50 Vdc	
Overvoltage Protection	60 Vdc	
Overload Protection	1.4 A	
Short-circuit Protection	Yes	
Power-on Value	Yes, Programmable	
Safe Value	Yes, Programmable	

Pin Assignments



Wire Connections



Ordering Information

ET-7217-A5 CR	Ethernet I/O Module with 2-port Ethernet Switch, with 8-channel AI, 4-channel DO (RoHS)
PET-7217-A5 CR	PoE Ethernet I/O Module with 2-port Ethernet Switch, with 8-channel AI, 4-channel DO (RoHS)