

ET-7217-A5 PET-7217-A5

Ethernet I/O Module with 2-port Ethernet Switch, 8-ch AI, 4-ch DO

Features

- Built-in Web Server
- Web HMI
- Support for both Modbus TCP and Modbus UDP Protocols
- Communication Access Control
- 2-port Ethernet Switch (LAN bypass) for Daisy-chain Wiring
- Dual Watchdog
- I/O Pair Connection
- Built-in I/O
  - AI: 8 Channels High Voltage Input
  - DO: 4 Channels

Introduction

The ET-7217-A5/PET-7217-A5 feature 4 digital output channels and 8 differential high-voltage input channels. Each input channel supports two selectable voltage ranges (±50 V / ±150 V) and can be configured independently, providing maximum flexibility for a wide range of applications. With full networking capabilities and an intuitive web-based user interface, the ET-7217-A5/PET-7217-A5 allows easy configuration and remote monitoring. Supporting Modbus TCP/UDP protocols, these modules integrate seamlessly with HMI, SCADA, PLCs, and other industrial automation systems.

System Specifications

Model	ET-7217-A5	PET-7217-A5
Software		
Built-in Web Server	Yes	
CPU Module		
Watchdog Timer	Module, Communication (Programmable)	
2-Way Isolation		
Ethernet	1500 VDC	-
I/O	2500 VDC	
EMS Protection		
EFT (IEC 61000-4-4)	±2 kV for Power Line	
ESD (IEC 61000-4-2)	±4 kV Contact for Each Terminal ±8 kV Air for Random Point	
Surge (IEC 61000-4-5)	±2 kV for Power Line	
LED Indicators		
Status	Run, Ethernet, I/O	Run, Ethernet, I/O, PoE
Ethernet		
Ports	2 x RJ-45, 10/100 Base-TX, Swtich Ports	
PoE	-	Yes
LAN bypass	Yes	
Access Control	ID, Password and IP Filter	
Protocol	Modbus TCP, Modbus UDP	
Power		
Reverse Polarity Protection	Yes	
Consumption	4.2 W (max.)	4.4 W (max.)
Powered from PoE	-	IEEE 802.3af, Class1
Powered from Terminal Block	+12 ~ +48 VDC	
Mechanical		
Dimensions (mm)	76 x 120 x 42 (W x L x H)	
Installation	DIN-Rail Mounting	
Environment		
Operating Temperature	-25 ~ +75 °C	
Storage Temperature	-30 ~ +80 °C	
Humidity	10 ~ 90% RH, Non-condensing	

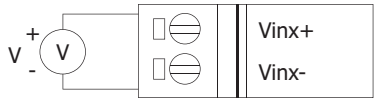
LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

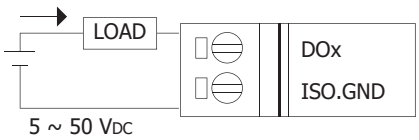
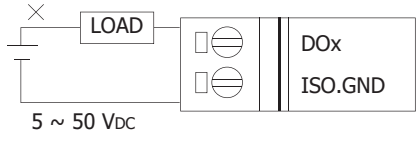
I/O Specifications

Analog Input		
Channels		8 (Differential)
Type		Voltage
Range		±50 V, ±150 V
Resolution		16-bit
Accuracy	Normal Mode	±0.1%
	Fast Mode	±0.5% or better
Sampling Rate	Normal Mode	10 Hz (total channels)
	Fast Mode	50 Hz (total channels)
Input Impedance		290 kΩ
Common Voltage Protection		±200 VDC
Overvoltage Protection		±200 VDC
Individual Channel Configuration		Yes
Virtual Channel to Channel Isolation		±400 VDC
Digital Output		
Channels		4---
Type		Isolated Open Collector
Sink/Source (NPN/PNP)		Sink
Load Voltage		+5 ~ +50 VDC
Load Current		700 mA/channel
Overvoltage Protection		+60 VDC
Overload Protection		1.4 A
Short-circuit Protection		Yes
Power on Value		Programmable
Safe Value		Programmable

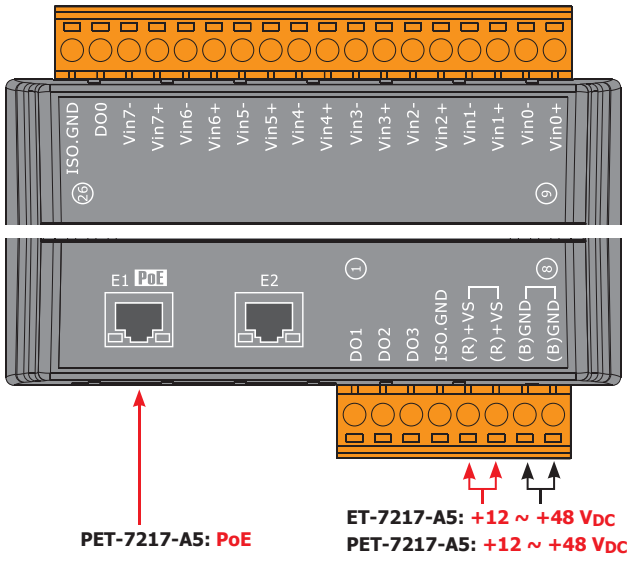
Wire Connections

Voltage Input



Digital Output	ON State, Readback as 1
Open Collector (Sink)	
	OFF State, Readback as 0
	

Pin Assignments



Ordering Information

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

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000