ICP DAS

PoE

ET-7260A   PET-7260A

Ethernet I/O Module with 2-port Ethernet Switch,
6-ch DI, 6-ch Power Relay

▣ 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
  - ☐ DI/Counter: 6 Channels
  - ☐ Power Relay: 6 Channels

CE UKCA RoHS

▣ Introduction

The ET-7260A and PET-7260A provide 6 Form A electromechanical relays and 6 digital input channels, each of which is able to be used as a 32-bit counter. In addition, each digital input accepts either dry contact or wet contact. Both modules can be remotely controlled using the Modbus TCP/UDP protocol. This makes the ET-7260A and PET-7260A to be well integrated with HMI, SCADA, PLC and other industrial control software systems. With 2 Ethernet ports, the ET-7260A and PET-7260A allow daisy chain connection which permits the flexibility in locating devices, eases installation and lowers infrastructure costs.

The PET-7260A supports IEEE 802.3af Power-Over-Ethernet (Class 1) specifications. By connecting to network devices that support the IEEE 802.3af PoE standard, power can be supplied via a copper Ethernet cable.
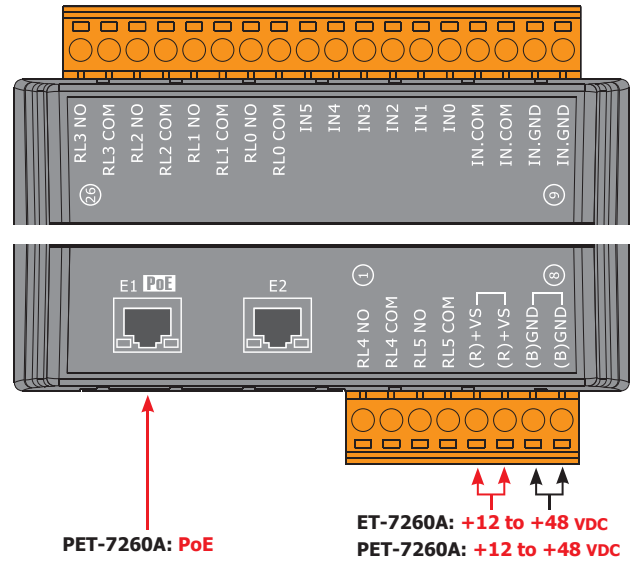
▣ System Specifications

Model	ET-7260A	PET-7260A
Software		
Built-in Web Server	Yes	
CPU Module		
Watchdog Timer	Module, Communication (Programmable)	
2-Way Isolation		
Ethernet	1500 VDC	-
I/O	3000 VDC	
EMS Protection		
EFT (IEC 61000-4-4)	±4 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	3.6 W (max.)	3.8 W (max.)
Powered from PoE	-	IEEE 802.3af, Class1
Powered from Terminal Block	+12 to +48 VDC	
Mechanical		
Dimensions (mm)	76 x 120 x 38 (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	

▣ I/O Specifications

Model	ET-7260A	PET-7260A
Digital Input/Counter		
Channels	6	
Type	Dry Contact, Wet Contact	
Sink/Source (NPN/PNP)	Dry: Source Wet: Sink/Source	
ON Voltage Level — Dry	Close to GND	
ON Voltage Level — Wet	+10 to +50 VDC	
OFF Voltage Level — Dry	Open	
OFF Voltage Level — Wet	+4 VDC (max.)	
Max. Counts	4,294,967,295 (32-bit)	
Frequency	100 Hz	
Min. Pulse Width	5 ms	
Effective Distance	500m (max.)	
Input Impedance	10 kΩ	
Overvoltage Protection	+70 VDC	
Relay Output		
Channels	6	
Type	Power Relay, Form A (SPST N.O.)	
Contact Rating	5 A @ 250 VAC/24 VDC (Resistive Load)	
Operate Time	10 ms (max.)	
Release Time	5 ms (max.)	
Electrical Endurance	10^5 ops.	
Mechanical Endurance	2×10^7 ops.	
Power on Value	Programmable	
Safe Value	Programmable	

▣ Pin Assignments

Top connector (26 ... 9): RL3 NO, RL3 COM, RL2 NO, RL2 COM, RL1 NO, RL1 COM, RL0 NO, RL0 COM, IN5, IN4, IN3, IN2, IN1, IN0, IN.COM, IN.COM, IN.GND, IN.GND

E1 PoE   E2

Bottom connector (1 ... 8): RL4 NO, RL4 COM, RL5 NO, RL5 COM, (R)+VS, (R)+VS, (B)GND, (B)GND

PET-7260A: PoE

ET-7260A: +12 to +48 VDC
PET-7260A: +12 to +48 VDC

▣ Wire Connections

Digital Input /Counter	Readback as 1	Readback as 0
Sink	+10 ~ +50 VDC	OPEN or <4 VDC
Sink		
Source	+10 ~ +50 VDC	OPEN or <4 VDC
Source		

Power Relay	ON State Readback as 1
Relay Output	
	OFF State Readback as 0

Digital Input	ON State Readback as 1	OFF State Readback as 0
Dry Contact	Relay Close	Relay Open

▣ Ordering Information

ET-7260A CR	Ethernet I/O Module with 2-port Ethernet Switch, 6-ch DI, 6-ch Power Relay (RoHS)
PET-7260A CR	PoE I/O Module with 2-port Ethernet Switch, 6-ch DI, 6-ch Power Relay (RoHS)