



**ET-7050
PET-7050**

**ET-7250A
PET-7250A**

Ethernet I/O Module with 12-channel DI, 6-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
 - DI/Counter: 12 Channels
 - DO: 6 Channels



Introduction

The ET-7000/ET-7200 series provides full networking capabilities, and a variety of I/O functions, together with web based Ethernet I/O monitoring and control modules, meaning that the modules can be remotely controlled using the Modbus TCP/UDP protocol via an Ethernet network. This ensures that the ET-7000/ET-7200 series provides integration with HMI, SCADA, PLC and other industrial control software systems.

The PET-7050/PET-7250A 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. The ET-7250A/PET-7250A includes two built-in Ethernet switch ports, which help to reduce implementation costs as there is no need to install an additional switch in order to daisy chain the ports or to extend the network via the Ethernet line.

ET-7050/PET-7050/ET-7250A/PET-7250A provides 6 sink-type digital output channels and 12 wet contact digital input channels, each of which is able to be used as a 32-bit counter. In addition, each digital input of ET-7250A/PET-7250A accepts either dry contact or wet contact.

System Specifications

Model	ET-7050	PET-7050	ET-7250A	PET-7250A
Software				
Built-in Web Server			Yes	
Web HMI			Yes	
I/O Pair Connection			Yes	
Communication				
Ethernet Port	1 x RJ-45, 10/100 Base-TX		2 x RJ-45, 10/100 Base-TX, Switch Ports	
PoE	-	Yes	-	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	-	Yes
2-Way Isolation				
Ethernet	1500 Vdc	-	1500 Vdc	-
I/O	2500 Vdc		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)	±4 kV for Power Line			
Power				
Reverse Polarity Protection	Yes			
Powered from Terminal Block	10 ~ 30 Vdc	12 ~ 48 Vdc	12 ~ 48 Vdc	12 ~ 48 Vdc
Powered from PoE	-	Yes, IEEE 802.3af, Class1	-	Yes, IEEE 802.3af, Class1
Consumption	2.3 W (Max.)	2.4 W (Max.)	2.7 W (Max.)	2.9 W (Max.)
Mechanical				
Dimensions (L x W x H)	123 mm x 72 mm x 35 mm		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			

