



ET-2260

PET-2260

Ethernet I/O Module with 6-ch DI and 6-ch Power Relay

Features

- Built-in Web Server
- Support Modbus TCP/UDP, MQTT, and SNMP V2c Protocols
- 2-port Ethernet Switch (LAN Bypass) for Daisy-Chain Wiring
- Dual Watchdog
- I/O Pair Connection (Push and Pull)
- Built-in I/O
 - DI/Counter: 6 channels
 - Power Relay: 6 channels
- LED Display to Indicate the I/O Status



Introduction

The (P)ET-2260 provides 6 wet contact Digital Input channels and 6 Form A electromechanical Relays. With 2 Ethernet ports, the (P)ET-2260 allows daisy chain connection which permits the flexibility in locating devices, eases installation and lowers infrastructure costs. It features 8 kV ESD protection, 4 kV EFT protection, 3 kV surge, and 3000 VDC I/O isolation to enhance noise protection capabilities in industrial environments. Each input channel can be used as a 32-bit counter. The power-on value and safe value of relay are configurable.

System Specifications

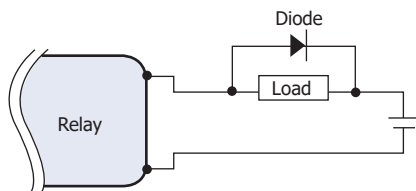
Model	ET-2260	PET-2260
Software		
Built-in Web Server	Yes	
CPU Module		
CPU	32-bit ARM	
Watchdog Timer	Module, Communication (Programmable)	
Isolation		
2-way Isolation	Ethernet: 1500 VDC I/O: 3000 VDC	I/O: 3000 VDC
EMS Protection		
EFT (IEC 61000-4-4)	±4 kV for Power Line	
ESD (IEC 61000-4-2)	±8 kV Contact for Each Terminal ±16 kV Air for Random Point	
Surge (IEC 61000-4-5)	±3 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, Switch Ports	
PoE	-	Yes
LAN bypass	Yes	
Security	Password and IP Filter	
Protocol	Modbus TCP, Modbus UDP, MQTT, and SNMP V2c	

Model	ET-2260	PET-2260
Power		
Reverse Polarity Protection	Yes	
Consumption	3.5 W (max.)	4.4 W (max.)
Powered from PoE	-	IEEE 802.3af, Class2
Powered from Terminal Block	+10 to +30 VDC	+10 to +48 VDC
Mechanical		
Casing	Plastic	
Dimensions (mm)	33 x 126 x 108 (W x L x H)	
Installation	DIN-Rail Mounting	
Environment		
Operating Temperature	-25 to +75°C	
Storage Temperature	-40 to +80°C	
Humidity	10 to 90% RH, Non-condensing	

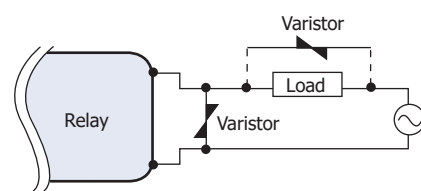
Note:

When inductive loads are connected to the relays, a large counter electromotive force may occur when the relay actuates because of the energy stored in the load. These flyback voltages can severely damage the relay contacts and greatly shorten the relay life. Limit these flyback voltages at your inductive load by installing a flyback diode for DC loads or a metal oxide varistor for AC loads.

for DC loads



for AC loads



I/O Specifications

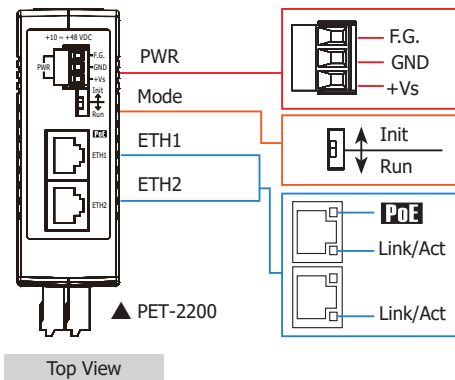
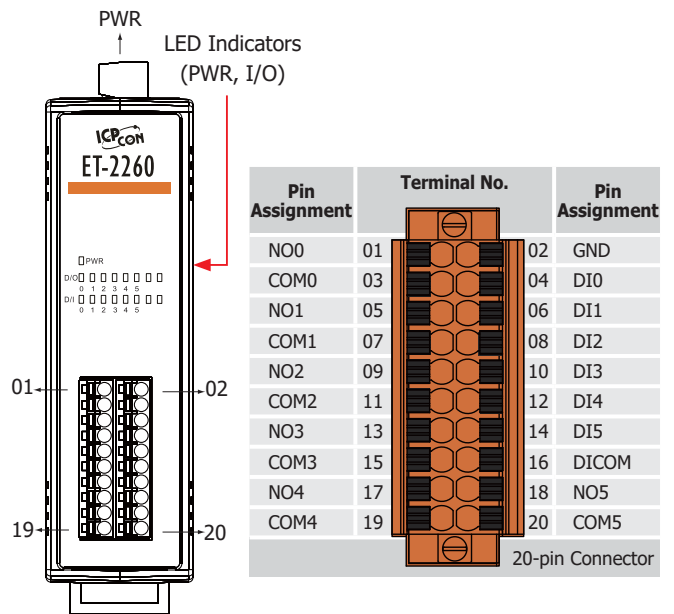
Digital Input/Counter	
Channels	6
Type	Dry Contact Wet Contact
Sink/Source (NPN/PNP)	Dry: Source Wet: Sink/Source
ON Voltage Level	Dry: Close to GND Wet: +10 to +50 VDC
OFF Voltage Level	Dry: Open Wet: +4 VDC (max.)
Max. Counts	4,294,967,295 (32-bit)
Frequency	3 kHz
Input Impedance	7.5 kΩ
Overvoltage Protection	+70 VDC
Low Pass Filter	1 to 6500 ms (0.08 Hz to 500 Hz)
Power Relay	
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

Wire Connections

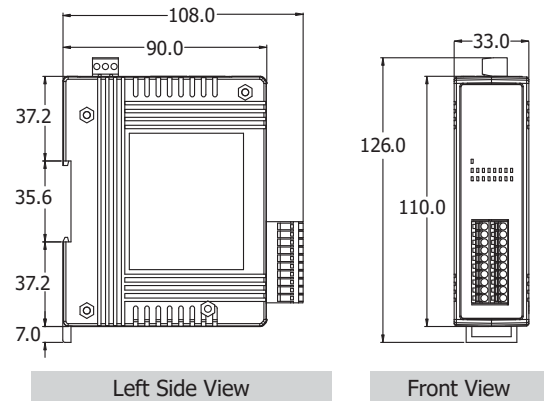
Digital Input /Counter	Readback as 1	Readback as 0
Dry Contact	Close to GND 	Open
	+10 to +50 VDC 	OPEN or <4 VDC
Wet Contact (Sink)		
Wet Contact (Source)	+10 to +50 VDC 	OPEN or <4 VDC

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

Pin Assignments



Dimensions (Units: mm)



Ordering Information

ET-2260 CR	Ethernet I/O Module with 2-port Ethernet Switch, 6-ch DI, and 6-ch Power Relay (RoHS)
PET-2260 CR	PoE Ethernet I/O Module with 2-port Ethernet Switch, 6-ch DI, and 6-ch Power Relay (RoHS)