

ET-2261



PET-2261

Ethernet I/O Module with 10-ch Power Relay

Features

- Web Server for Configuration
- Support Modbus TCP/UDP, MQTT, and SNMP V2c Protocols
- 2-port Ethernet Switch (LAN bypass) for Daisy-chain Wiring
- Supports Dual-watchdog
- I/O Pair Connection (Push and Pull)
- Built-in I/O
  - 10-ch Power Relay (Form A)
- LED Display to Indicate the I/O Status

Introduction

(P)ET-2261 is a 10-channel electroMechanical relay output (Form A) module. The module includes a built-in 2-port Ethernet switch, facilitating a daisy-chain topology. This feature offers flexibility in device configuration, simplifies installation, and reduces infrastructure costs. Additionally, the module provides EMS (EFT/ESD/Surge) protection and 3000 VDC I/O Isolation to enhance noise protection capabilities in industrial environments.

System Specifications

Model	ET-2261	PET-2261
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	
Access Control	Password and IP Filter	
Protocol	Modbus TCP, Modbus UDP, MQTT, SNMP V2c	
Power		
Reverse Polarity Protection	Yes	
Consumption	3.8 W (max.)	4.6 W (max.)
Powered from PoE	-	IEEE 802.3af, Class2
Powered from Terminal Block	+10 ~ +30 VDC	+10 ~ +48 VDC

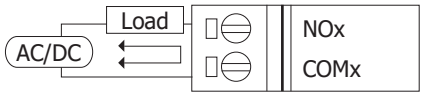
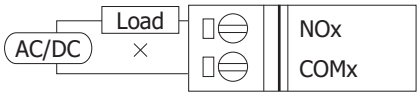
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Model	ET-2261	PET-2261
Mechanical		
Casing	Plastic	
Dimensions (mm)	33 x 126 x 108 (W x L x H)	
Installation	DIN-Rail Mounting	
Environment		
Operating Temperature	-25 ~ +75 °C	
Storage Temperature	-40 ~ +80 °C	
Humidity	10 ~ 90% RH, Non-condensing	

I/O Specifications

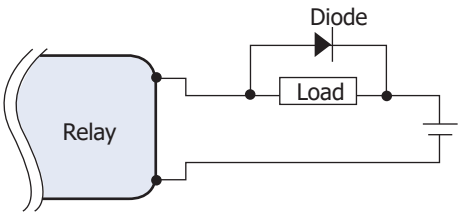
Relay Output	
Channels	10
Type	Power Relay, Form A (SPST N.O.)
Contact Rating	5 A @ 250 V_{AC}/24 V_{DC} (Resistive Load)
Operate Time	10 ms (max.)
Release Time	5 ms (max.)
Electrical Endurance	10^5 ops.
Mechanical Endurance	2×10^7 ops.
Power-on Value	Programmable
Safe Value	Programmable

Wire Connections

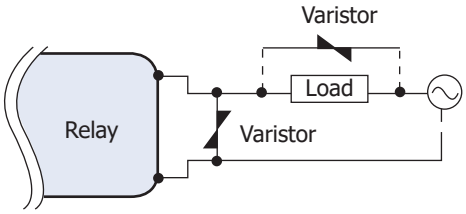
Relay Output	ON State Readback as 1	OFF State Readback as 0
Power Relay		

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

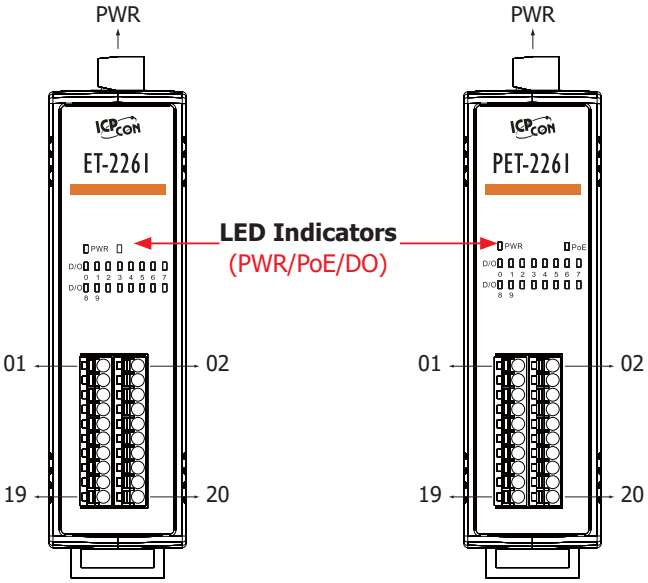


For AC Loads



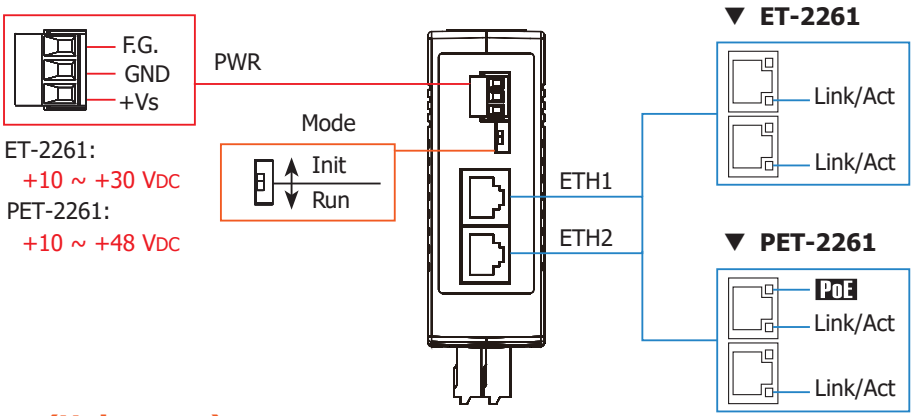
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Pin Assignments

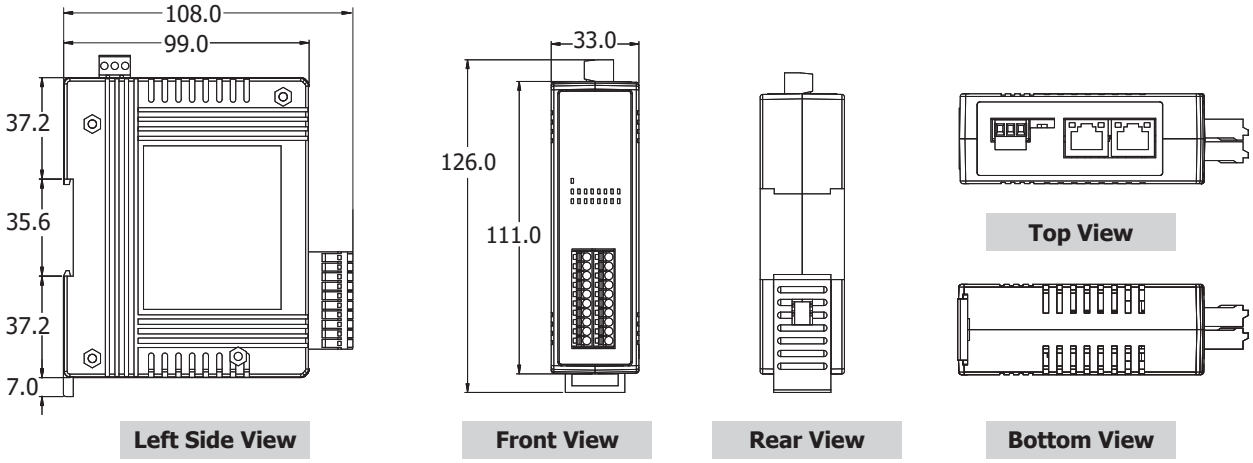


Pin Assignment	Terminal No.		Pin Assignment
NO0	01	02	NO5
COM0	03	04	COM5
NO1	05	06	NO6
COM1	07	08	COM6
NO2	09	10	NO7
COM2	11	12	COM7
NO3	13	14	NO8
COM3	15	16	COM8
NO4	17	18	NO9
COM4	19	20	COM9

Appearance



Dimensions (Units: mm)



Ordering Information

ET-2261 CR	Ethernet I/O Module with 2-port Ethernet Switch, 10-ch Power Relay (RoHS)
PET-2261 CR	PoE I/O Module with 2-port Ethernet Switch, 10-ch Power Relay (RoHS)

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