# ICP DAS

## ET-7261    PET-7261

Ethernet I/O Module with 2-port Ethernet Switch,
11-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
  - ☐ Power Relay: 11 Channels

CE   UKCA   FC   RoHS

## Introduction

The ET-7261/PET-7261 provides 11 form A electromechanical relays. It features optical isolation for 3000 VDC of transient overvoltage protection and doesn't have channel-to-channel isolation. The power-on value and safe value of relay are programmable. It can safely be used in applications where hazardous voltages are present.
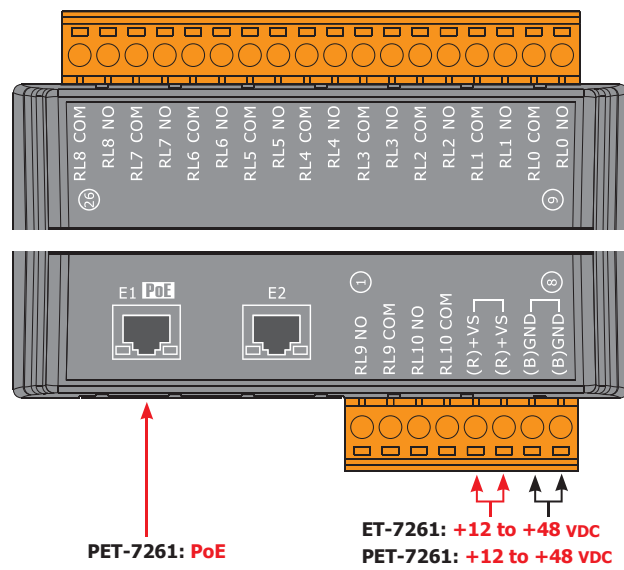
## System Specifications

| Model | ET-7261 | PET-7261 |
|---|---|---|
| **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 | 4.4 W (max.) | 4.6 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-7261 | PET-7261 |
|---|---|---|
| **Relay Output** | | |
| Channels | 11 | |
| 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 | $2 \times 10^7$ ops. | |
| Power on Value | Programmable | |
| Safe Value | Programmable | |

## ■ Pin Assignments



RL8 COM, RL8 NO, RL7 COM, RL7 NO, RL6 COM, RL6 NO, RL5 COM, RL5 NO, RL4 COM, RL4 NO, RL3 COM, RL3 NO, RL2 COM, RL2 NO, RL1 COM, RL1 NO, RL0 COM, RL0 NO

E1 PoE    E2

RL9 NO, RL9 COM, RL10 NO, RL10 COM, (R)+VS, (R)+VS, (B)GND, (B)GND

**PET-7261: PoE**

**ET-7261: +12 to +48 VDC**
**PET-7261: +12 to +48 VDC**

## ■ Wire Connections

| Power Relay | ON State<br>Readback as 1 |
|---|---|
| Relay Output |  RLx.COM — Relay Close — AC/DC — LOAD — RLx.NO — To other channels |
| | **OFF State**<br>**Readback as 0** |
| |  RLx.COM — Relay Open — AC/DC — LOAD — RLx.NO — To other channels |

## ■ Ordering Information

| ET-7261 CR | Ethernet I/O Module with 2-port Ethernet Switch, 11-ch Power Relay (RoHS) |
|---|---|
| PET-7261 CR | PoE I/O Module with 2-port Ethernet Switch, 11-ch Power Relay (RoHS) |