

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
- Built-in I/O
 - AC/DC Digital Input: 8 Channels



Introduction

The ET-7259/PET-7259 provides 8 AC/DC digital input channels. Each input channel can be used as a 32-bit counter. It features optical isolation for 2500 Vdc of transient overvoltage protection but doesn't provide channel-to-channel isolation. It can safely be used in applications where hazardous voltages are present.

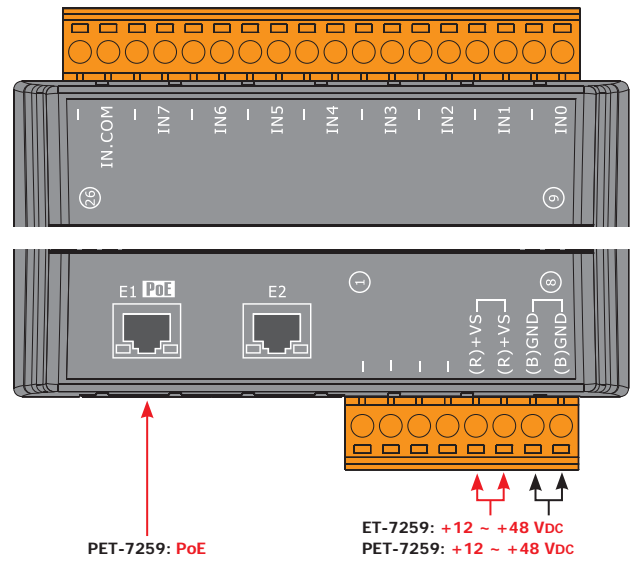
System Specifications

| Model | ET-7259 | PET-7259 |
|-----------------------------|--|---------------------------|
| Software | | |
| Built-in Web Server | | Yes |
| Web HMI | | Yes |
| I/O Pair Connection | | Yes |
| Communication | | |
| Ethernet Port | 2 x RJ-45, 10/100 Base-TX, Switch Ports | |
| PoE | - | 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 |
| 2-Way Isolation | | |
| Ethernet | 1500 Vdc | - |
| I/O | 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 | 12 ~ 48 Vdc | 12 ~ 48 Vdc |
| Powered from PoE | - | Yes, IEEE 802.3af, Class1 |
| Consumption | 2.3 W (Max.) | 2.7 W (Max.) |
| Mechanical | | |
| Dimensions (L x W x H) | 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 | |

I/O Specifications

| Model | ET-7259 | PET-7259 |
|---------------------------------|----------------------|-------------------------|
| AC Digital Input/Counter | | |
| Channels | 8 | |
| Contact | Wet Contact | |
| Sink/Source (NPN/PNP) | Sink/Source | |
| On Voltage Level | 10 VAC ~ 80 VAC | |
| | 15 Vdc ~ 80 Vdc | |
| Off Voltage Level | 3 VAC Max. | |
| | 3 Vdc Max. | |
| Input Impedance | 30 kΩ | |
| Counters | Max. Count | 4,294,967,295 (32 bits) |
| | Max. Input Frequency | 100 Hz |
| | Min. Pulse Width | 5 ms |
| Overvoltage Protection | 120 VAC | |

Pin Assignments



Wire Connections

| Digital Input/Counter | ON State Readback as 1 | OFF State Readback as 0 |
|-----------------------|---------------------------|----------------------------|
| AC Digital Input | 10 ~ 80 VAC | OPEN or < 3 VAC Max. |
| | | |

Ordering Information

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|-------------|--|
| ET-7259 CR | Ethernet I/O Module with 2-port Ethernet Switch, with 8-channel AC/DC Digital Input (RoHS) |
| PET-7259 CR | PoE Ethernet I/O Module with 2-port Ethernet Switch, with 8-channel AC/DC Digital Input (RoHS) |