

## 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-7258/PET-7258 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.

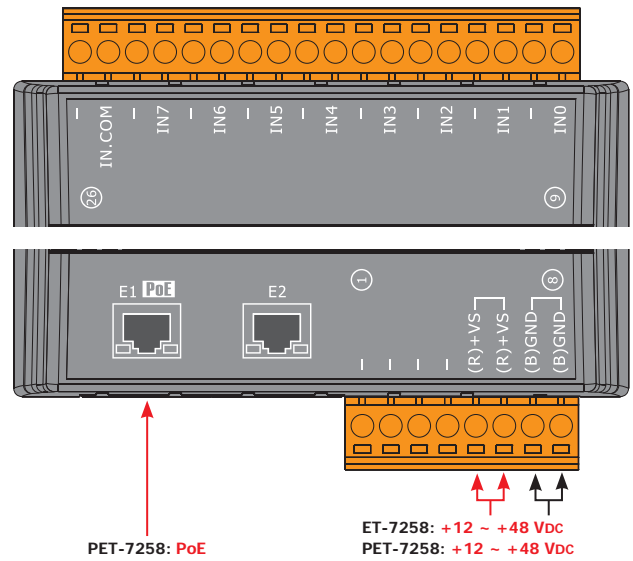
## System Specifications

Model	ET-7258	PET-7258
<b>Software</b>		
Built-in Web Server		Yes
Web HMI		Yes
I/O Pair Connection		Yes
<b>Communication</b>		
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)	
<b>LED Indicators</b>		
for System Running		Yes
for Ethernet Link/Act		Yes
for DI/DO status		Yes
for PoE Power	-	Yes
<b>2-Way Isolation</b>		
Ethernet	1500 Vdc	-
I/O	2500 Vdc	
<b>EMS Protection</b>		
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	
<b>Power</b>		
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.)
<b>Mechanical</b>		
Dimensions (L x W x H)	120 mm x 76 mm x 38 mm	
Installation	DIN-Rail or Wall Mounting	
<b>Environment</b>		
Operating Temperature	-25 to +75°C	
Storage Temperature	-30 to +80°C	
Humidity	10 to 90% RH, Non-condensing	

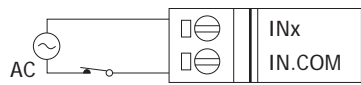
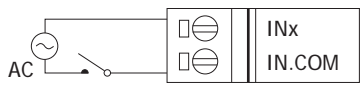
## I/O Specifications

Model	ET-7258	PET-7258
<b>AC Digital Input/Counter</b>		
Channels	8	
Contact	Wet Contact	
Sink/Source (NPN/PNP)	Sink/Source	
On Voltage Level	80 VAC ~ 250 VAC	
	90 Vdc ~ 250 Vdc	
Off Voltage Level	30 VAC Max.	
	30 Vdc Max.	
Input Impedance	150 kΩ	
Counters	Max. Count	4,294,967,295 (32 bits)
	Max. Input Frequency	100 Hz
	Min. Pulse Width	5 ms
Overvoltage Protection	300 VAC	

## Pin Assignments



## Wire Connections

Digital Input/Counter	ON State Readback as 1	OFF State Readback as 0
AC Digital Input	80 ~ 250 VAC	OPEN or < 30 VAC Max.
		

## Ordering Information

ET-7258 CR	Ethernet I/O Module with 2-port Ethernet Switch, with 8-channel AC/DC Digital Input (RoHS)
PET-7258 CR	PoE Ethernet I/O Module with 2-port Ethernet Switch, with 8-channel AC/DC Digital Input (RoHS)