



ET-7258

PET-7258

Ethernet I/O Module with 2-port Ethernet Switch,
8-ch AC/DC DI

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
- 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.

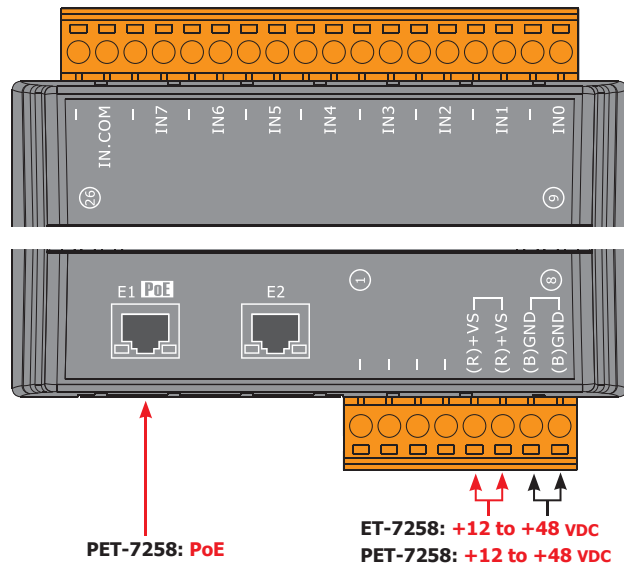
System Specifications

Model	ET-7258	PET-7258
Software		
Built-in Web Server	Yes	
CPU Module		
Watchdog Timer	Module, Communication (Programmable)	
2-Way Isolation		
Ethernet	1500 VDC	-
I/O	2500 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	
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	ID, Password and IP Filter	
Protocol	Modbus TCP, Modbus UDP	
Power		
Reverse Polarity Protection	Yes	
Consumption	2.3 W (max.)	2.7 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-7258	PET-7258
Digital Input/Counter		
Channels	8	
Contact	Wet Contact	
Sink/Source (NPN/PNP)	Sink/Source	
ON Voltage Level	80 to 250 VAC ±90 to ±250 VDC	
OFF Voltage Level	30 VAC (max.) ±30 VDC (max.)	
Max. Counts	4,294,967,295 (32-bit)	
Frequency	100 Hz	
Min. Pulse Width	5 ms	
Input Impedance	150 kΩ	
Overvoltage Protection	300 VAC	

Pin Assignments



Wire Connections

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

Ordering Information

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