



ET-7245 **PET-7245**

Ethernet I/O Module with 2-port Ethernet Switch, 16-ch DO

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
  - DO (Source-type): 16 Channels

Introduction

The ET-7245/PET-7245 provides 16 source-type digital output channels. It features optical isolation for 3750 VDC of transient overvoltage protection and doesn't have channel-to-channel isolation. The power-on value and safe value of digital output channelare programmable. In some industrial applications, the user can connect the output channel of ET-7245/PET-7245 to the RM series relay module to switch inductive loads.

System Specifications

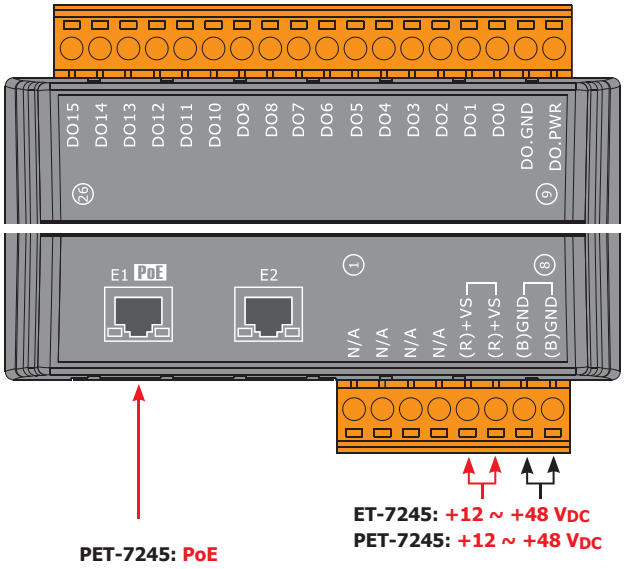
Model	ET-7245	PET-7245
Software		
Built-in Web Server	Yes	
CPU Module		
Watchdog Timer	Module, Communication (Programmable)	
2-Way Isolation		
Ethernet	1500 VDC	-
I/O	3750 VDC	
EMS Protection		
ESD (IEC 61000-4-2)	±4 kV Contact for Each Terminal ±8 kV Air for Random Point	
EFT (IEC 61000-4-4)	±4 kV for Power Line	
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	3.0 W (max.)	3.1 W (max.)
Powered from PoE	-	IEEE 802.3af, Class1
Powered from Terminal Block	+12 ~ +48 VDC	
Mechanical		
Dimensions (mm)	76 x 120 x 42 (W x L x H)	
Installation	DIN-Rail Mounting	
Environment		
Operating Temperature	-25 ~ +75 ℃	
Storage Temperature	-30 ~ +80 ℃	
Humidity	10 ~ 90% RH, Non-condensing	

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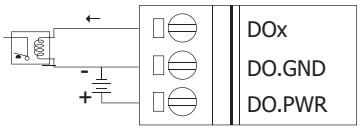
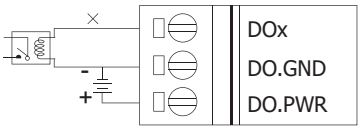
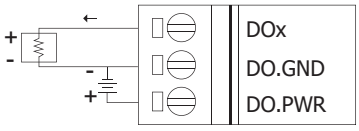
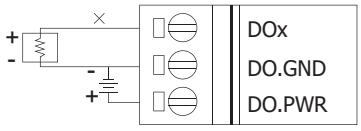
I/O Specifications

Model	ET-7245	PET-7245
Digital Output		
Channels	16	
Type	Isolated Open Source	
Sink/Source (NPN/PNP)	Source	
Load Voltage	+10 ~ +40 V_{DC}	
Load Current	600 mA/channel	
Overvoltage Protection	+47 V_{DC}	
Overload Protection	1.4 A (with short-circuit protection)	
Short-circuit Protection	Yes	
Power on Value	Programmable	
Safe Value	Programmable	

Pin Assignments



Wire Connections

Output Type	ON State, Readback as 1	OFF State, Readback as 0
Drive Relay		
Resistance Load		

Ordering Information

ET-7245 CR	Ethernet I/O Module with 2-port Ethernet Switch, 16-ch DO (RoHS)
PET-7245 CR	PoE I/O Module with 2-port Ethernet Switch, 16-ch DO (RoHS)

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