



ET-7053
PET-7053

ET-7253
PET-7253

Ethernet I/O Module with 16-ch 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
- I/O Pair Connection
- Built-in I/O
  - DI/Counter: 16 Channels

Introduction

The ET-7053/PET-7053/ET-7253/PET-7253 provides 16 dry contact digital input channels. Each input channel can be used as a 32-bit counter. It features optical isolation for 3750 Vrms 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

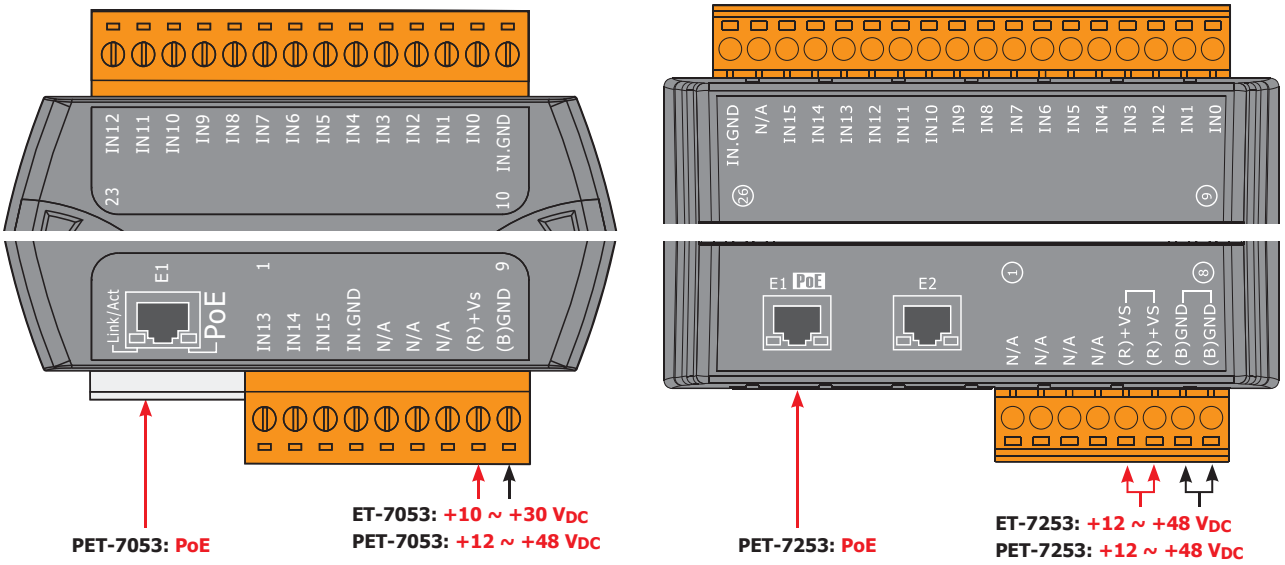
Model	ET-7053	PET-7053	ET-7253	PET-7253
Software				
Built-in Web Server	Yes			
CPU Module				
Watchdog Timer	Module, Communication (Programmable)			
2-Way Isolation				
Ethernet	1500 VDC	-	1500 VDC	-
I/O	2500 VDC			
EMS Protection				
EFT (IEC 61000-4-4)	±4 kV for Power Line			
ESD (IEC 61000-4-2)	±4 kV Contact for Each Terminal ±8 kV Air for Random Point			
LED Indicators				
Status	Run, Ethernet	Run, Ethernet, PoE	Run, Ethernet, I/O	Run, Ethernet, I/O, PoE
Ethernet				
Ports	1 x RJ-45, 10/100 Base-TX		2 x RJ-45, 10/100 Base-TX, Swtich Ports	
PoE	-	Yes	-	Yes
LAN bypass	-		Yes	
Access Control	ID, Password and IP Filter			
Protocol	Modbus TCP, Modbus UDP			
Power				
Reverse Polarity Protection	Yes			
Consumption	2.7 W (max.)	2.8 W (max.)	3.7 W (max.)	4.1 W (max.)
Powered from PoE	-	IEEE 802.3af	-	IEEE 802.3af
Powered from Terminal Block	+10 ~ +30 VDC	+12 ~ +48 VDC		
Mechanical				
Dimensions (mm)	72 x 123 x 35 (W x L x H)		76 x 120 x 42 (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			

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

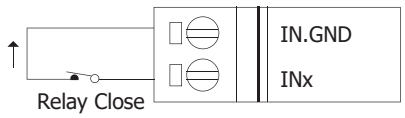
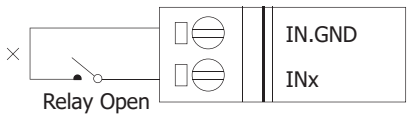
I/O Specifications

Model	ET-7053 PET-7053	ET-7253 PET-7253
Digital Input/Counter		
Channels	16	
Type	Dry Contact	
Sink/Source (NPN/PNP)	Source	
ON Voltage Level	Close to GND	
OFF Voltage Level	Open	
Max. Counts	4,294,967,295 (32-bit)	
Frequency	500 Hz	100 Hz
Min. Pulse Width	1 ms	5 ms
Effective Distance	500 m (max.)	

Pin Assignments



Wire Connections

Digital Input /Counter	ON State, Readback as 1	OFF State, Readback as 0
Dry Contact		

Ordering Information

ET-7053 CR	Ethernet I/O Module with 16-ch DI (RoHS)
PET-7053 CR	PoE I/O Module with 16-ch DI (RoHS)
ET-7253 CR	Ethernet I/O Module with 2-port Ethernet Switch, 16-ch DI (RoHS)
PET-7253 CR	PoE I/O Module with 2-port Ethernet Switch, 16-ch DI (RoHS)

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000