

ETS-7260

Ethernet I/O Module with 2-port Ethernet Switch, 6-ch Power Relay and 6-ch DI

Features

- Support for HTTP/HTTPS Web Server
- Enhanced DoS Protection
- Support for Modbus/TCP Security
- Support for MQTT (optional TLS)
- Support for 802.1Q and 802.1p Priority Tagging
- 2-port Ethernet Switch for Daisy-Chain Topology
- Dual Watchdog with Power-on and Safe Value
- I/O Pair Connection
- Built-in I/O
  - DI/Counter: 6 Channels
  - Power Relay: 6 Channels
- Fast Boot (< 5 Second)

Introduction

The ETS-7260 provides 6 wet contact digital input channels and 6 form A electromechanical relays, as well as the MQTT, Rest API, CoAP, LwM2M and Modbus protocols, which are supported for connecting with a variety of digital sensors in Industrial Internet of Things (IIoT) applications. It features optical isolation for 3000 VDC of transient overvoltage protection and doesn't have channel-to-channel isolation. Each input channel can be used as a 32-bit counter. The power-on value and safe value of relay are programmable. Note: When inductive loads are connected to the relays, a large counter electromotive force may occur when the relay actuates because of the energy stored in the load. These flyback voltages can severely damage the relay contacts and greatly shorten the relay life. Limit these flyback voltages at your inductive load by installing a flyback diode for DC loads or a metal oxide varistor for AC loads.

ETS-7260 provides an easy-to-use and intuitive web interface that allows users to implement IF-THEN-ELSE control logic with just a few clicks; no programming is required. The built-in IF-THEN-ELSE logic engine executes the automation logic in a stable and efficient manner. It also provides functions for mathematical operations.

Specifications

Model	ETS-7260
Software	
Function	• Web Interface for Configuration • IF-THEN-ELSE Logic operation • I/O channel monitoring and control • Timer operation • Schedule operation • Internal Register operation
CPU Module	
Watchdog Timer	Module, Communication (Programmable)
2-way Isolation	
2-way Isolation	Ethernet: 1500 VDC I/O: 3000 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
Surge (IEC 61000-4-5)	±2 kV for Power Line
LED Indicators	
Status	Run, Ethernet, I/O

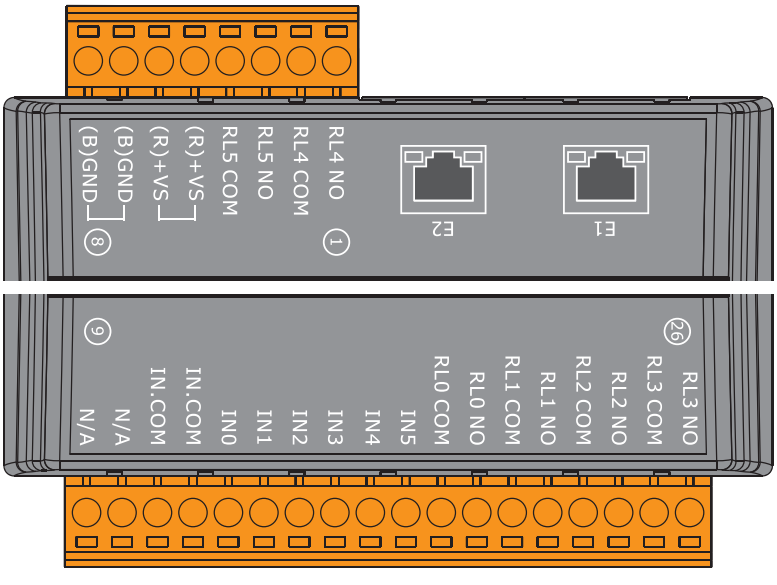
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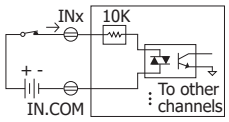
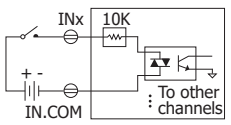
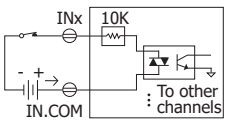
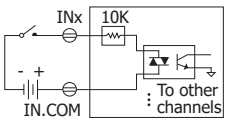
Model	ETS-7260
Digital Input/Counter	
Channels	6
Type	Wet Contact
Sink/Source (NPN/PNP)	Sink/Source
ON Voltage Level	+10 to +50 VDC
OFF Voltage Level	+4 VDC (max.)
Max. Counts	4,294,967,295 (32-bit)
Frequency	100 Hz
Min. Pulse Width	5 ms
Input Impedance	10 kΩ
Overvoltage Protection	+70 VDC
Relay Output	
Channels	6
Type	Power Relay, Form A (SPST N.O.)
Contact Rating	5 A @ 250 VAC/24 VDC (Resistive Load)
Operate Time	10 ms (max.)
Release Time	5 ms (max.)
Electrical Endurance	10^5 ops.
Mechanical Endurance	2 × 10^7 ops.
Power on Value	Programmable
Safe Value	Programmable
Ethernet	
Ports	2 x RJ-45, 10/100 Base-TX, Swtich Ports
LAN bypass	Yes
Access Control	ID, Password and IP Filter
Protocol	Modbus TCP, Modbus TCP/TLS, Modbus UDP, MQTT, Rest API, CoAP, LwM2M, SNMP, SMTP, SNTP, HTTP/HTTPS
Power	
Reverse Polarity Protection	Yes
Consumption	3.9 W (max.)
Powered from PoE	Yes, IEEE 802.3af, Class 2
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 to 90% RH, Non-condensing

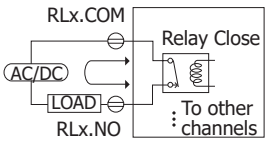
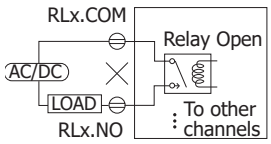
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Pin Assignments



Wire Connections

Digital Input/Counter	Readback as 1	Readback as 0
Sink	+10 ~ +50 VDC	OPEN or <4 VDC
		
Source	+10 ~ +50 VDC	OPEN or <4 VDC
		

Power Relay	ON State Readback as 1	OFF State Readback as 0
Relay Output		

Ordering Information

ETS-7260 CR	Ethernet I/O Module with 2-port Ethernet Switch, with 6-ch Relay Output and 6-ch DI (RoHS)

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