

ET-2268

Ethernet I/O Module with 4-ch Form A, 4-ch Form C Signal Relay

Features

- Web Server for Configuration
- Support Modbus TCP/UDP, MQTT, and SNMP V2c Protocols
- 2-port Ethernet Switch (LAN bypass) for Daisy-chain Wiring
- Supports Dual-watchdog
- I/O Pair Connection (Push and Pull)
- Built-in I/O
  - ☐ 4-ch Relay Output (Form A)
  - ☐ 4-ch Relay Output (Form C)
- LED Display to Indicate the I/O Status

Introduction

ET-2268 is an 8-channel signal relay output (4 Form A and 4 Form C) module. It is equipped with 8 LEDs to monitor the relay output status and offers configurable DO Power-on value and safe value settings. The module includes a built-in 2-port Ethernet switch, facilitating a daisy-chain topology. This feature offers flexibility in device configuration, simplifies installation, and reduces infrastructure costs. Additionally, the module provides EMS (EFT/ESD/Surge) protection and 3000 VDC I/O Isolation to enhance noise protection capabilities in industrial environments. ET-2268 is suitable for small signal switching applications.

System Specifications

Model	ET-2268
Software	
Built-in Web Server	Yes
CPU Module	
CPU	32-bit ARM
Watchdog Timer	Module, Communication (Programmable)
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)	±8 kV Contact for Each Terminal, ±16 kV Air for Random Point
Surge (IEC 61000-4-5)	±3 kV for Power Line
LED Indicators	
Status	Run, Ethernet, I/O
Ethernet	
Ports	2 x RJ-45, 10/100 Base-Tx, Switch Ports
LAN bypass	Yes
Access Control	Password and IP Filter
Protocol	Modbus TCP, Modbus UDP, MQTT, SNMP V2c
Power	
Reverse Polarity Protection	Yes
Consumption	3.6 W (max.)
Powered from Terminal Block	+10 ~ +30 VDC

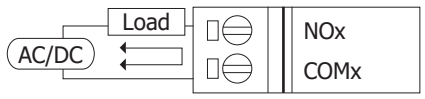
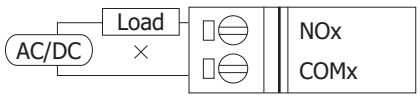
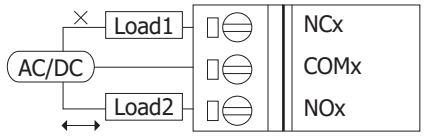
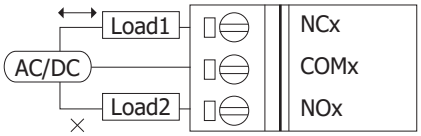
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Model	ET-2268
Mechanical	
Casing	Plastic
Dimensions (mm)	33 x 126 x 108 (W x L x H)
Installation	DIN-Rail Mounting
Environment	
Operating Temperature	-25 ~ +75 °C
Storage Temperature	-40 ~ +80 °C
Humidity	10 ~ 90% RH, Non-condensing

I/O Specifications

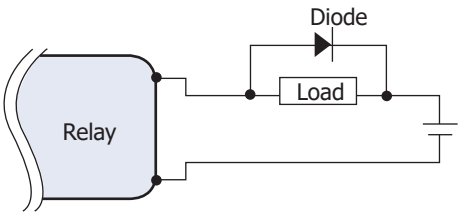
Relay Output	
Channels	8 (Form A x 4, Form C x 4)
Type	Signal Relay
Contact Material	Siler Nickel, Gold-covered
Contact Rating	2 A @ 30 V_{DC} 0.24 A @ 220 V_{DC} 0.25 A @ 250 V_{AC}
Operate Time	3 ms (Typical)
Release Time	4 ms (Typical)
Electrical Endurance	2 x 10^5 ops
Mechanical Endurance	10^8 ops
Power-on Value	Programmable
Safe Value	Programmable

Wire Connections

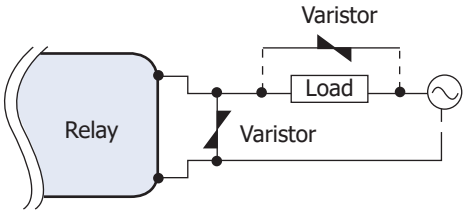
Relay Output	ON State Readback as 1	OFF State Readback as 0
Form A Relay in NO1, NO3, NO4, NO7		
Form C Relay in NO0, NO2, NO4, NO6		

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.

For DC Loads

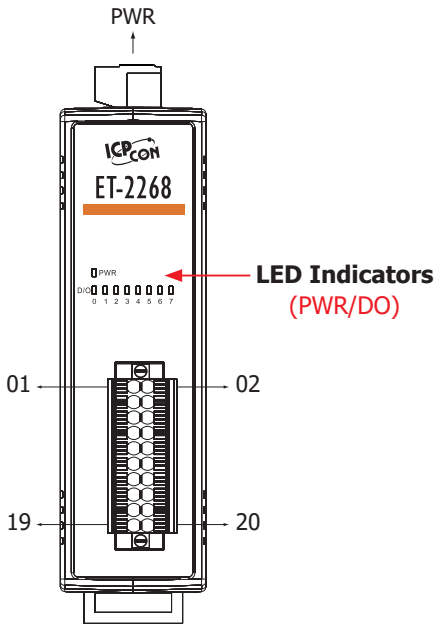


For AC Loads



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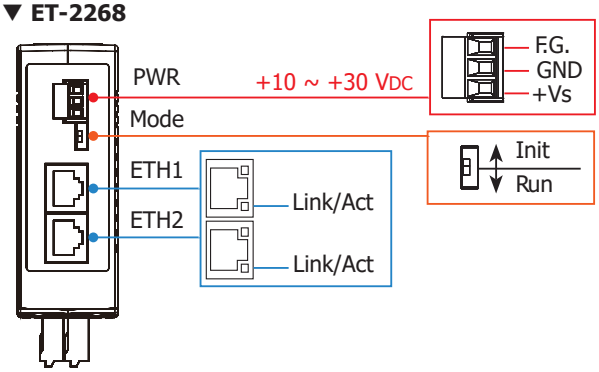
Pin Assignments



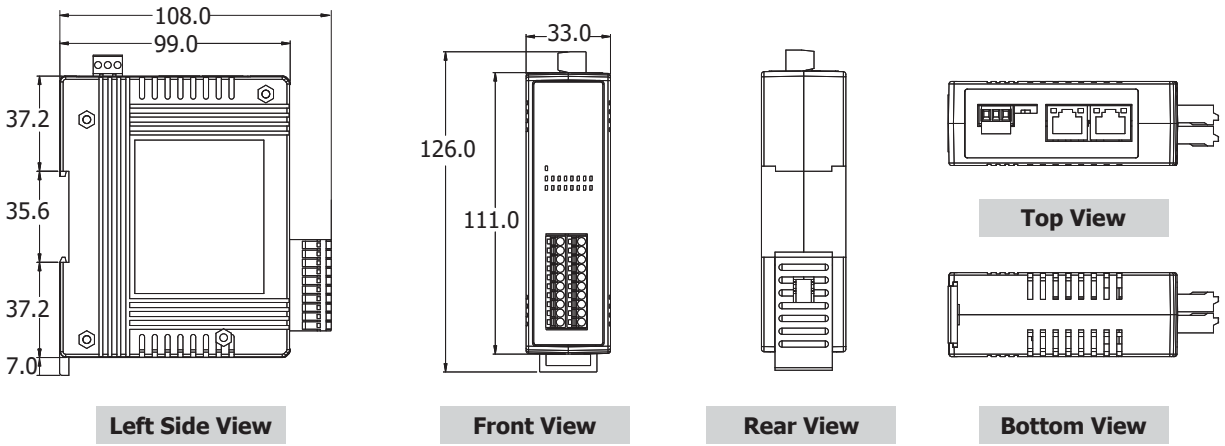
Pin Assignment	Terminal No.		Pin Assignment
NO0	01	02	NO4
COM0	03	04	COM4
NC0	05	06	NC4
NO1	07	08	NO5
COM1	09	10	COM5
NO2	11	12	NO6
COM2	13	14	COM6
NC2	15	16	NC6
NO3	17	18	NO7
COM3	19	20	COM7

Appearance

▼ **ET-2268**



Dimensions (Units: mm)



Left Side View | **Front View** | **Rear View** | **Top View** | **Bottom View**

Ordering Information

ET-2268 CR	Ethernet I/O Module with 2-port Ethernet Switch, 4-ch Form A, 4-ch Form C Signal Relay (RoHS)

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