



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.

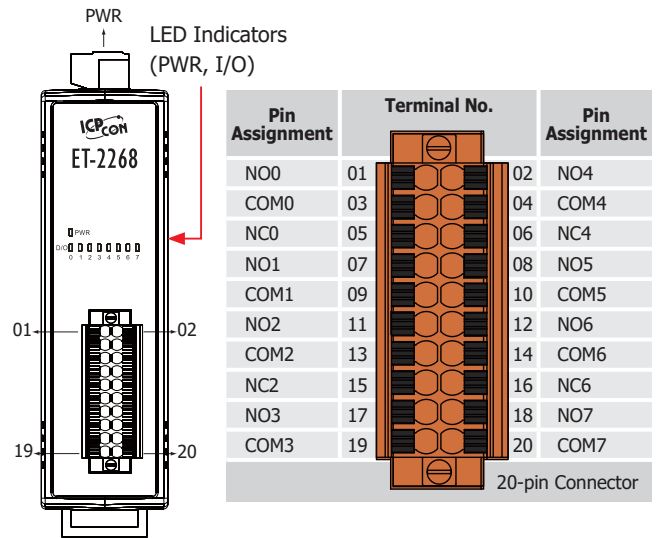
System Specifications

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
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

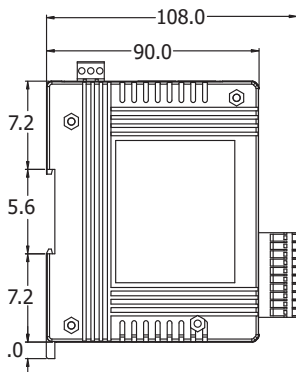
I/O Specifications

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

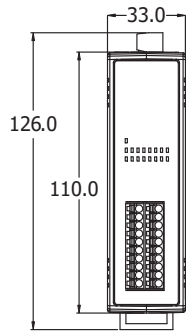
Pin Assignments



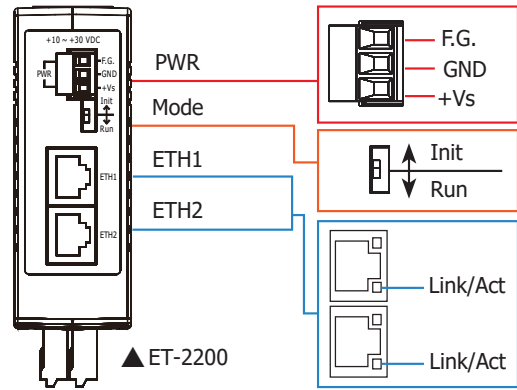
Dimensions (Units: mm)



Left Side View



Front View



Top View

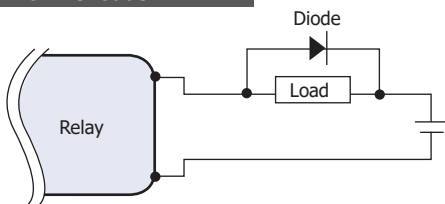
Wire Connections

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		

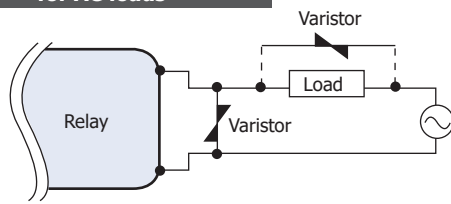
Note:

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



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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