ET-2215H
PET-2215H

ET-2215H-16
PET-2215H-16

Ethernet I/O Module with 8/16-ch
High Speed RTD Input

⊞ Features

- Web Server for Configuration
- Support Modbus TCP and MQTT Protocols
- 2-port Ethernet Switch (LAN Bypass) for Daisy-chain Wiring
- 3-wire RTD Lead Resistance Compensation
- I/O Pair Connection (Push and Pull)
- Supports Firmware Update via Ethernet
- 90Hz High-speed Sampling Rate for each Channel
- Open Wire Detection
- Built-in I/O
  - ☐ (P)ET-2215H: 8-ch RTD Input
  - ☐ (P)ET-2215H-16: 16-ch RTD Input
- Individual Channel Configuration

▣ Introduction

(P)ET-2215H / (P)ET-2215H-16 is an 8/16-channel RTD input module that provides 90Hz high-speed measurement and open wire detection for each channel. Each channel can be connected to different types of RTD sensors and supports 3-wire RTD lead wire compensation, ensuring accurate measurements regardless of wire length. 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, it also provides EMS (FET/ESD/Surge) protection and 3000 VDC I/O isolation to enhance noise protection capabilities in industrial environments.

▣ System Specifications

Model	ET-2215H	ET-2215H-16	PET-2215H	PET-2215H-16
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		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		Run, Ethernet, PoE	
Ethernet				
Ports	2 x RJ-45, 10/100 Base-Tx, Switch Ports			
PoE	-		Yes	
LAN bypass	Yes			
Access Control	Password and IP Filter			
Protocol	Modbus TCP, MQTT			
Power				
Reverse Polarity Protection	Yes			
Consumption	1.5 W (max.)	1.6 W (max.)	1.9 W (max.)	2.0 W (max.)
Powered from PoE	-		IEEE 802.3af, Class1	
Powered from Terminal Block	+10 to +48 VDC			
Mechanical				
Casing	Metal			
Dimensions (mm)	31 x 159 x 137 (W x L x H)			
Installation	DIN-Rail mounting / Wall mounting			
Environment				
Operating Temperature	-25 ~ +75 °C			
Storage Temperature	-40 ~ +80 °C			
Humidity	10 ~ 90% RH, Non-condensing			