

1-111103

8 Channels Analog Input Module



Main Features

- ① 8-Ch Analog Input Module
- ① Isolation Protection 3000 VDC
- ① Direct Sensor Input J, K, T, E, R, S, B, N
- ① Input Impedance

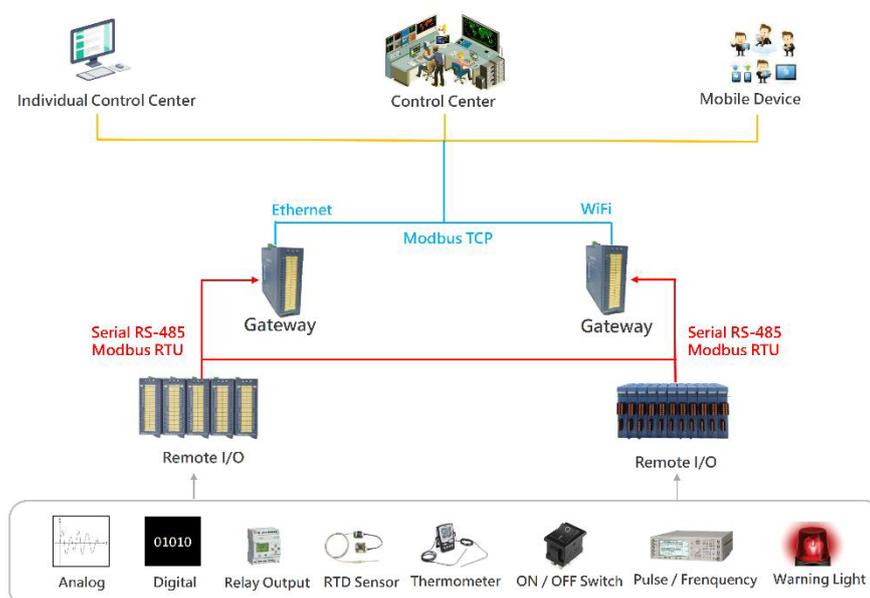
PRELIMINARY



Introduction

The 1-111103 is an 8 Channels Analog Input Module with High Common Mode Voltage Protection of 1-111 Series. The 1-111 Series Remote I/O Modules are designing to withstand wide operating temperature and work reliably in harsh environments, and are easy to configure, make mass deployment simple. 1-111 Series Remote I/O Modules include Analog, Digital, and Relay modules which also with 2~32 channels.

Application-From Data Acquisition to Central Management



Specification

Model Name	1-111103
General	
Power Requirement	10 ~ 60 VDC
Power Consumption	1.6W @ 24VDC
Watchdog Timer	System (1.6 Second Fixed) Communication (Programmable)
Connector	1 Plug-In Terminal Block (#16~30 AWG)
Temperature (Operating)	-25~70°C
Temperature (Storage)	-30~75°C
Humidity	5~95%
Interface	RS-485
Communication Protocol	Modbus RTU
Communication Speed	Serial: From 1200 to 115.2 kbps
Communication Distance	Serial: 1.2 km
Isolation Protection	3000 VDC
Analog Input	
Channels	8 Channels
Voltage Range	± 100mV, ± 500mV, ± 1V, ± 5V, ± 10V, 0~100mV, 0~500mV, 0~1V, 0~5V, 0~10V
Current Input	± 20mA, 4~20mA, 0~20mA (Slide Switch Select)
Direct Sensor Input	J, K, T, E, R, S, B, N
Disconnection Detection	Yes (all V, 4 ~ 20 mA & all T/C)
Channel Independent Configuration	Yes
Sampling Rates	12 Samples/Second (Total)
Resolution	16-bit
Accuracy	± 0.1% FSR
Input Impedance	Voltage: 2MΩ, Current: 120 Ω
Span Drift	± 25 ppm/°C
Zero Drift	± 6 μ V/°C
Input Voltage Protection	± 240V For Voltage Mode (Exclude ± 100mV, 0~100mV)
Common Mode Voltage	240V

Dimension

W×H×L = 47.2×121.1×120.1mm

