

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

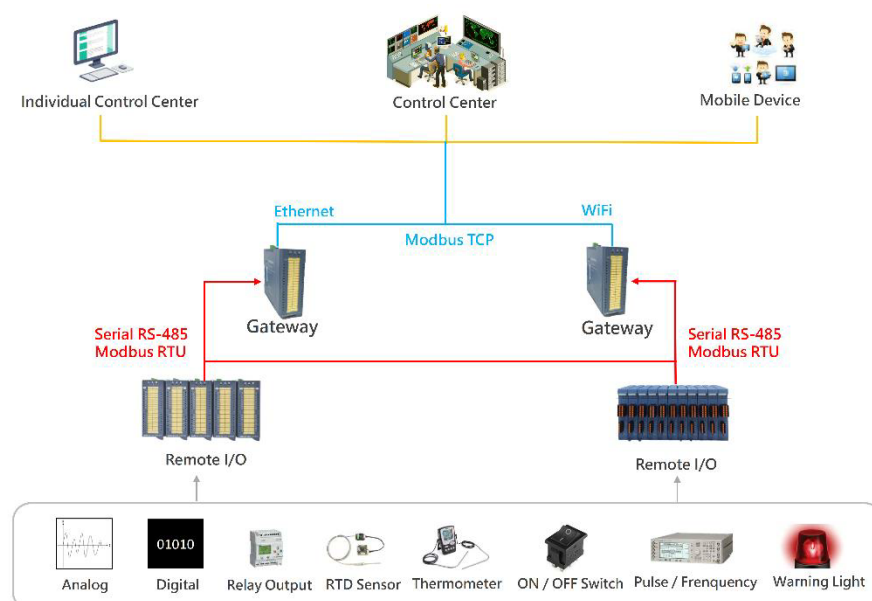
PRELIMINARY



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	$\pm 100\text{mV}$, $\pm 500\text{mV}$, $\pm 1\text{V}$, $\pm 5\text{V}$, $\pm 10\text{V}$, $0\sim 100\text{mV}$, $0\sim 500\text{mV}$, $0\sim 1\text{V}$, $0\sim 5\text{V}$, $0\sim 10\text{V}$
Current Input	$\pm 20\text{mA}$, $4\sim 20\text{mA}$, $0\sim 20\text{mA}$ (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	$\pm 0.1\%$ FSR
Input Impedance	Voltage: $2\text{M}\Omega$, Current: $120\ \Omega$
Span Drift	$\pm 25\ \text{ppm}/^\circ\text{C}$
Zero Drift	$\pm 6\ \mu\text{V}/^\circ\text{C}$
Input Voltage Protection	$\pm 240\text{V}$ For Voltage Mode (Exclude $\pm 100\text{mV}$, $0\sim 100\text{mV}$)
Common Mode Voltage	240V

Dimension

$W \times H \times L = 47.2 \times 121.1 \times 120.1\text{mm}$

