

MT-3262e

4 channels AI remote terminal Unit

■ Features

- 4-channels Analog Input Module
 - 2-channels differential voltage input
 - 2-channels isolated current input
- High resolution: 24-bit ADC
- Voltage Input features:
 - $\pm 50 V_{DC}$ overvoltage protection
 - Wide analog input range: $\pm 10 V$
 - High accuracy: $\pm 0.015\%$ FSR
- Current Input features:
 - Isolated current channel
 - 150 mA overcurrent protection
 - Wide current input range: $\pm 0-20 mA$
 - High accuracy: $\pm 0.015\%$ FSR
- Support LED output indicator
- Wide operating temperature range: -25 to $+75^{\circ}C$
- Support Modbus TCP protocol



■ Introduction

The MT-3262e is an analog input module that provides 4 isolated input channels. The input types are 2 channels with differential voltage input and 2 channels with current input. These two kinds of channels are available for the same input range. The module also features 2,500 VDC intra-module isolation, as well as $\pm 50 VDC$ overvoltage protection for voltage input and 150 mA overcurrent protection for current input. The MT-3262e supports the Modbus TCP protocol.

■ Specifications

Analog Input

Number of Ports		4
Type	Voltage	2 Channel Differential Voltage Input
	Current	2 Channel Isolated Current Input

Input Range	Voltage	$\pm 10\text{ V}_{\text{DC}}$
	Current	$\pm 0\text{-}20\text{ mA}$
Input Impedance	Voltage	$1\text{ M}\Omega$
	Current	$200\text{ }\Omega$
Accuracy	Voltage	$\pm 0.015\%$ FSR
	Current	$\pm 0.015\%$ FSR
Sample Rate		20Hz
Resolution		24-bit
LED Indicator		Yes

Ethernet Interface

Port type	RJ-45 Connector
Number of Ports	1
Data Transfer Rate	Up to 100 Mbps
LED Indicator	Yes

Software Feature

Protocols	Modbus TCP
Mode	Modbus TCP Server
Configuration Option	Windows Utility

Power

Power Input	10 to 30 V_{DC}
Power Consumption	< 600 mW
LED Indicator	Yes, Pwr (Red)

Protection

Power Isolation		Yes
Analog Input	Voltage	$\pm 50\text{ V}_{\text{DC}}$ overvoltage protection
	Current	150 mA overcurrent protection
Intra-Module Isolation		2500 V_{DC} (Field-to-Logic)

Ethernet	Built-in 1.5kV Magnetic Isolation
ESD Protection (IEC 61000-4-2)	± 4 kV Contact for each Terminal
	± 8 kV Air for Random Point
Reverse Polarity Protection	Yes

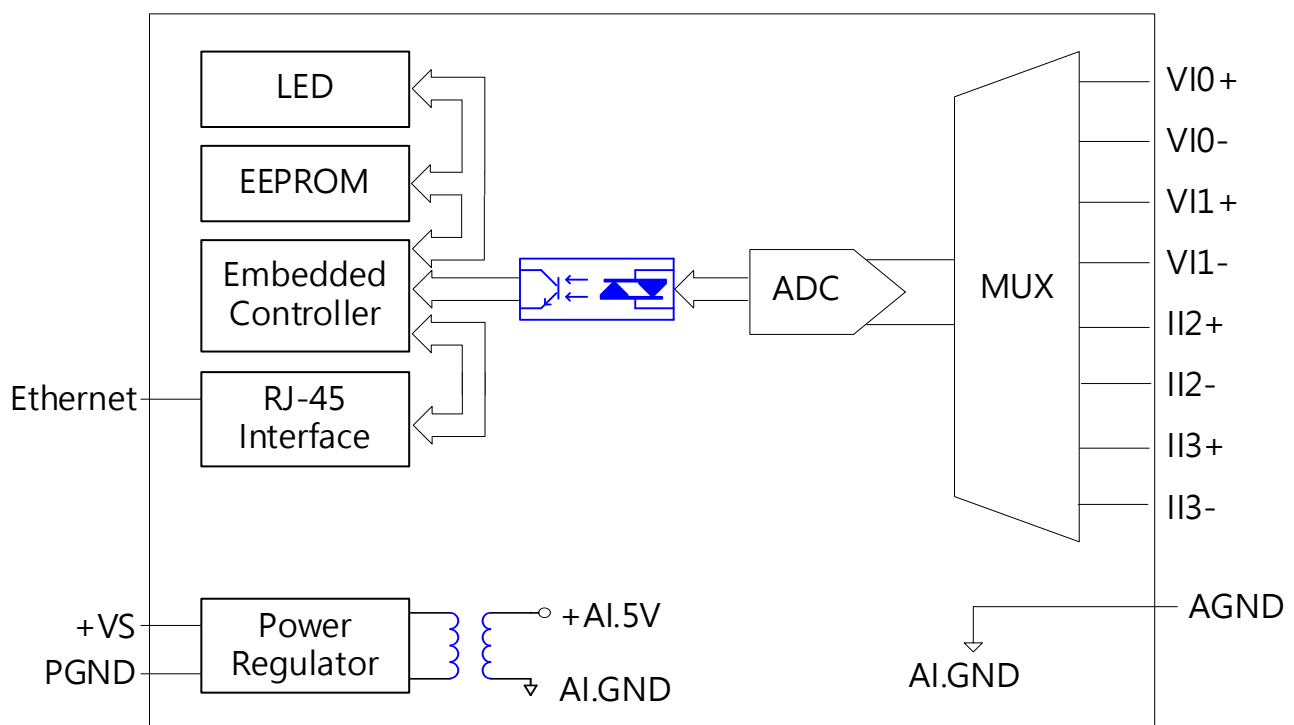
Mechanical

Dimensions (L x W x H)	114mm x 66 mm x 30 mm
Installation	DIN-Rail or Wall Mounting

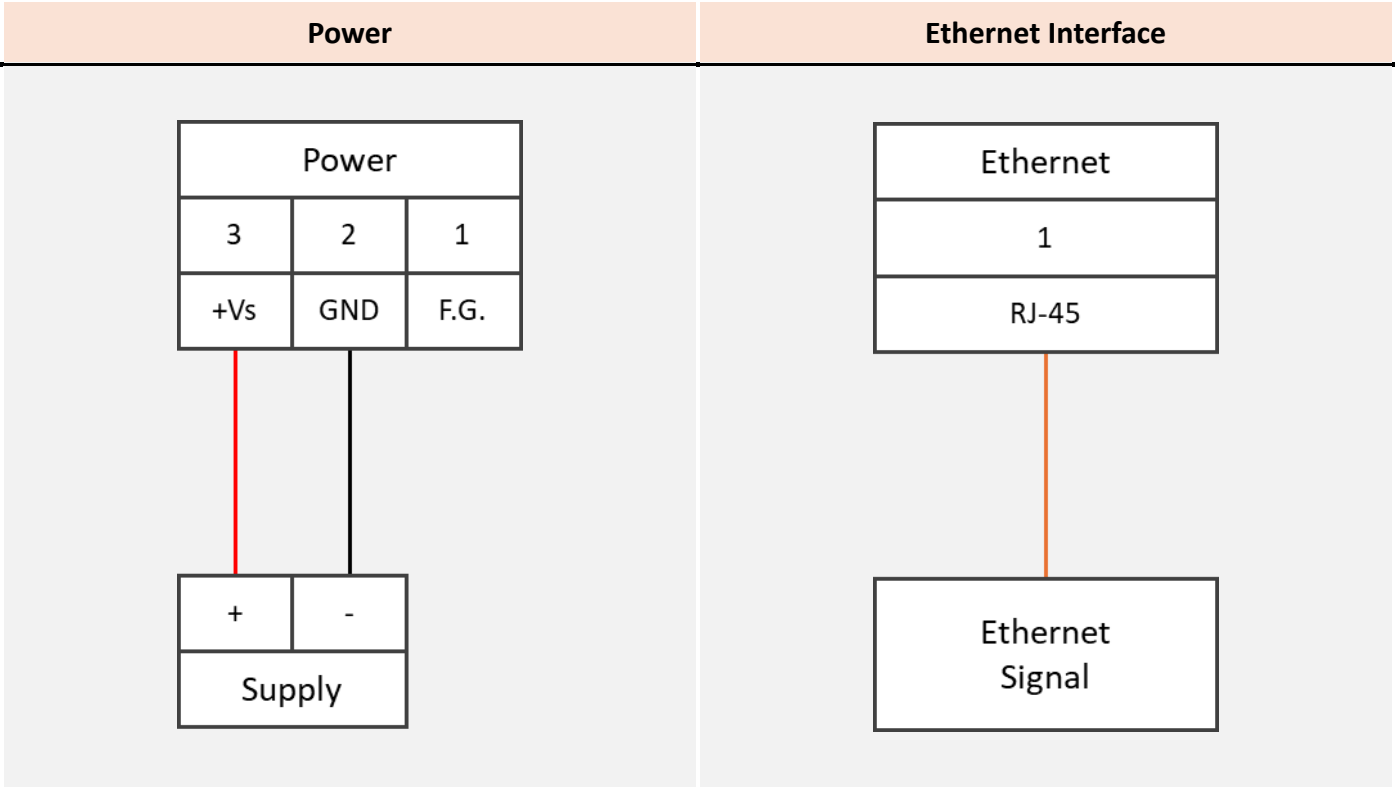
Environment

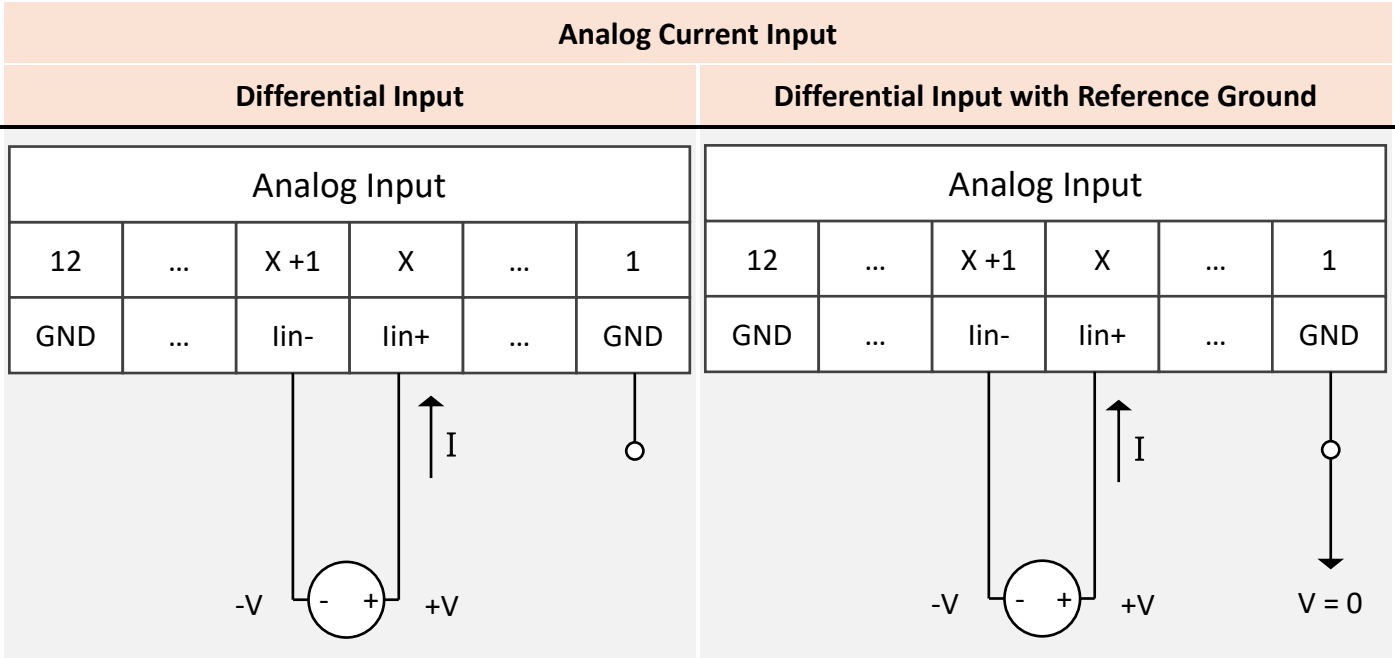
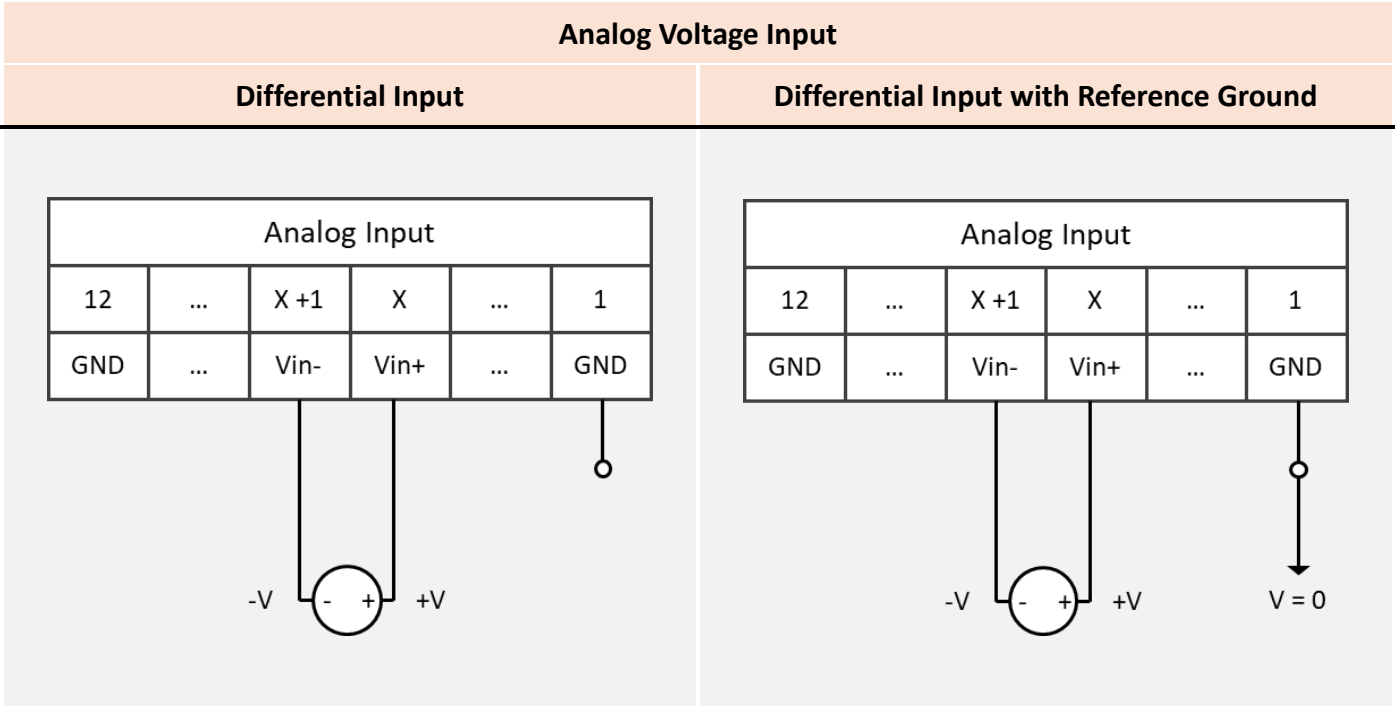
Operating Temperature	-25°C to 75 °C
Storage Temperature	-30°C to 85 °C
Humidity	10% to 95% RH, Non-condensing

Internal I/O Structure

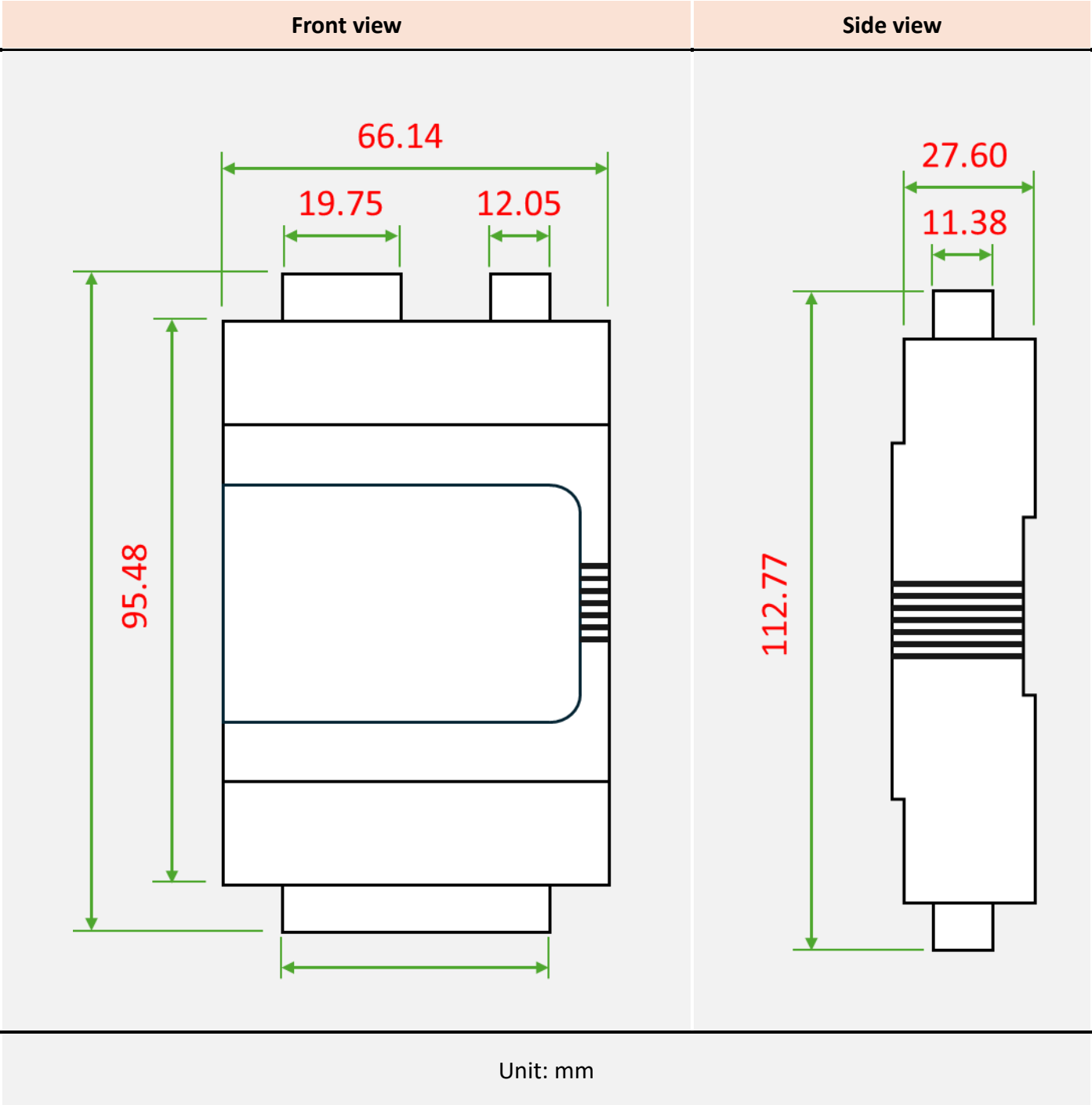


■ Terminal Assignments





■ Dimensions



■ Appendix



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