

MT-4400e

4 channels AO remote terminal Unit

■ Features

- 4 channels analog output Module
- Single-Ended voltage output type
- Wide voltage output range: ± 10 V
- High resolution: 14-bit DAC
- High accuracy: $\pm 0.015\%$ FSR
- Support LED output indicator
- Wide operating temperature range: -25 to $+75^{\circ}\text{C}$
- Support Modbus TCP protocol



■ Introduction

The MR-4400a series is an analog output module that provides 4 single-ended voltage output channels. The module also features 2,500 VDC intra-module isolation, as well as ± 50 VDC overvoltage protection. The MR-4400a module also has 4kV ESD protection and its communication supports the Modbus TCP protocol.

■ Specifications

Analog Output	
Number of Ports	4
Type	Single-Ended Voltage Output
Output Range	± 10 V _{DC}
Resolution	14-bit
Accuracy	$\pm 0.015\%$ FSR
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
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

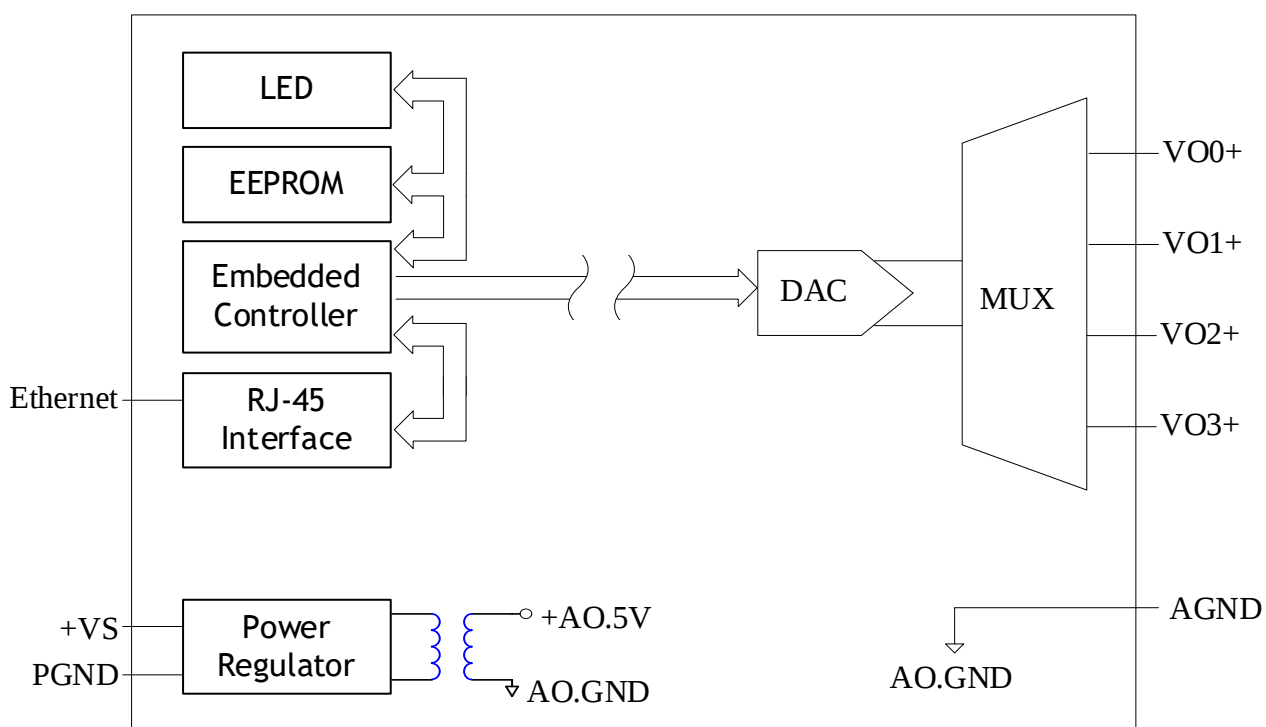
Mechanical

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

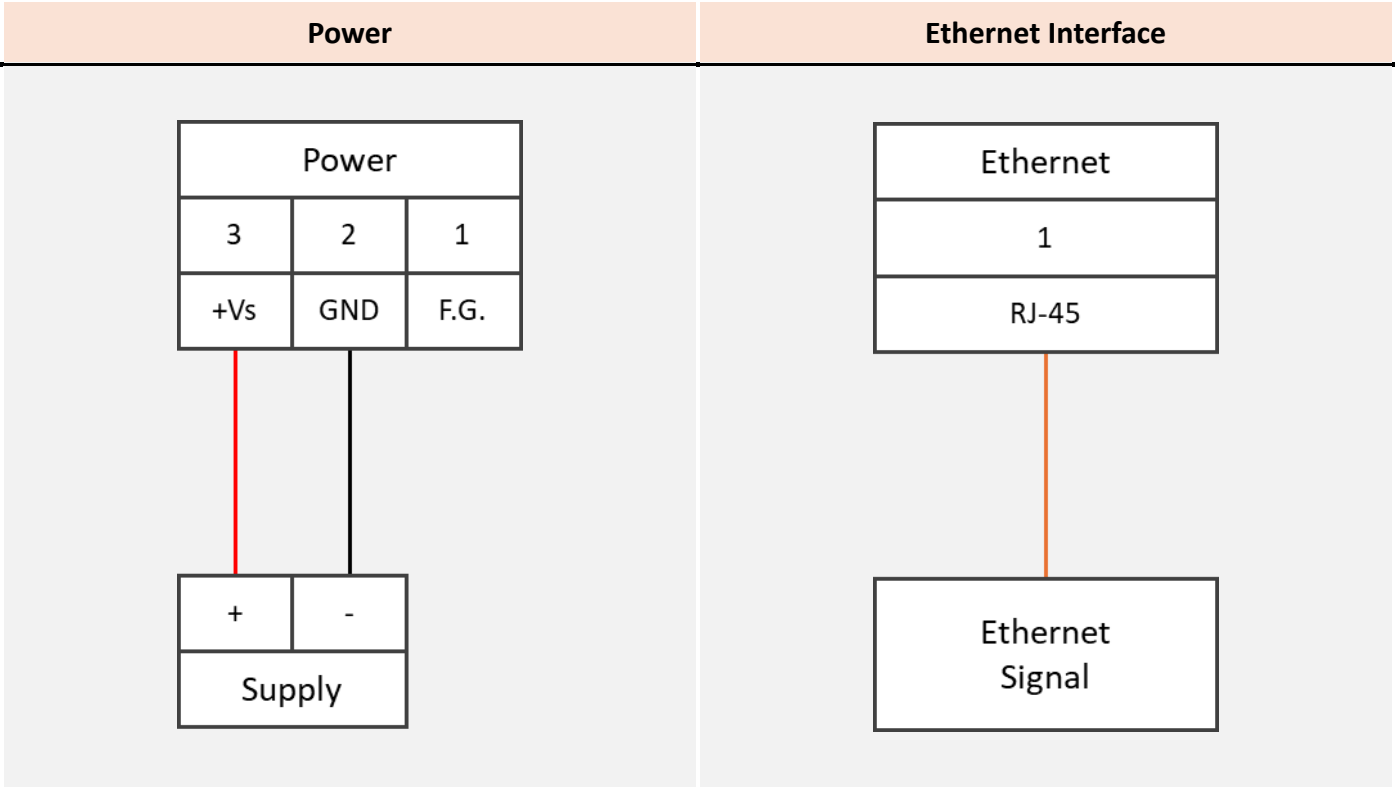
Environment

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

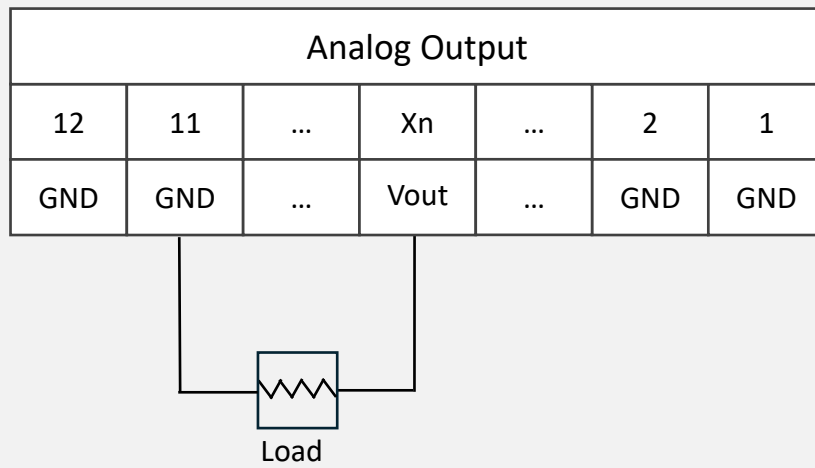
Internal I/O Structure



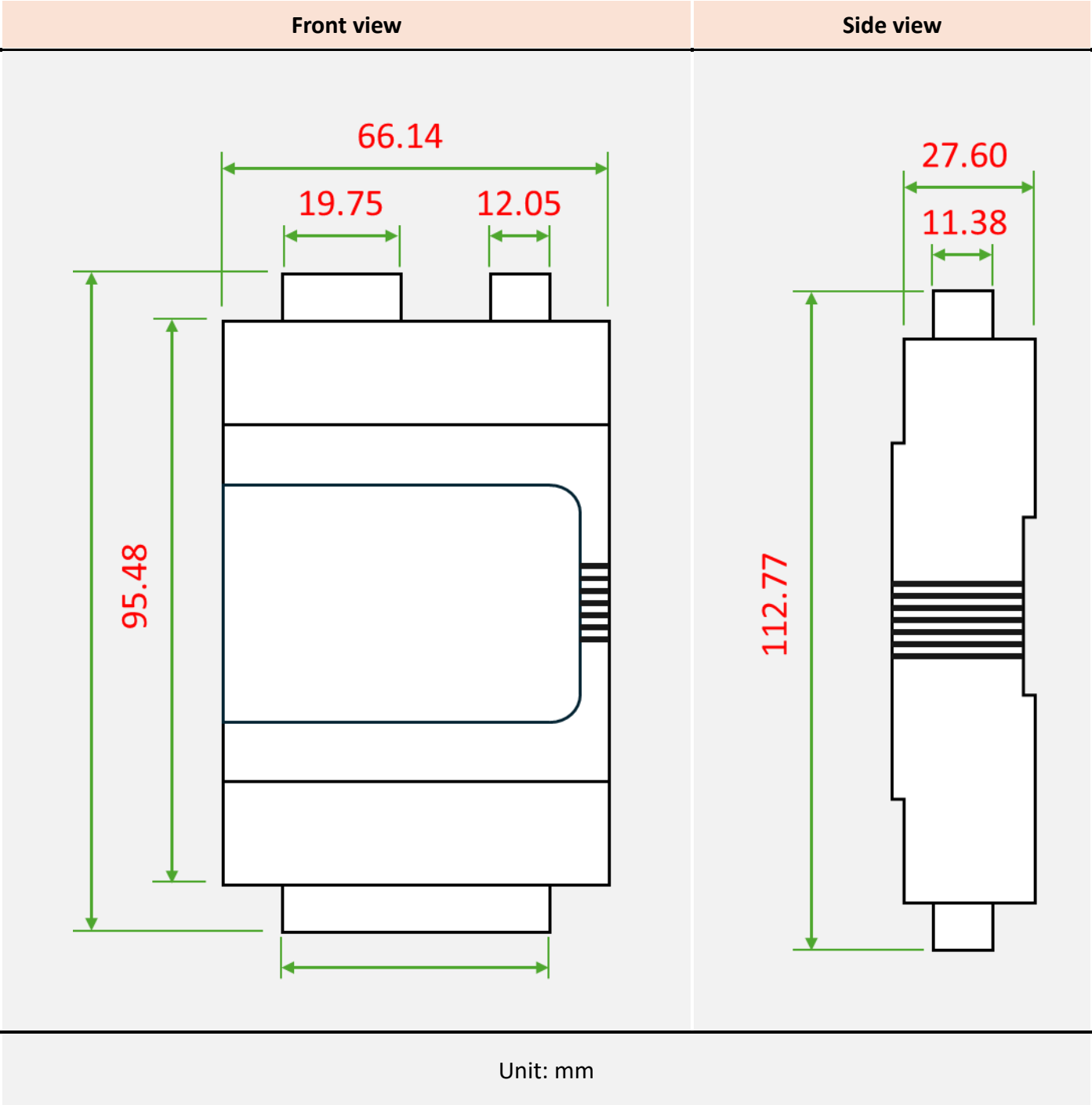
■ Terminal Assignments



Single-Ended Analog Output



■ Dimensions



■ Appendix



全智升科技股份有限公司



+886-3-582-8498



SALES@ai-up.com.tw



<https://www.AI-UP.com.tw>



Rm. 424, Building 52, No. 195, Section 4,
Zhongxing Road, Zhudong Township,
Hsinchu County 310, Taiwan