

AT-11013

AT-11023

AT-13241

8-ch Analog Input with Modbus RTU- (Current)

8-ch Analog Input with Modbus RTU- (Voltage)

4 Analog Output - 4 Digital Input with- Modbus RTU



AT-11013 (Current)

AT-11023 (Voltage)

Specifications

General

Power Consumption	1.2 W @ 24 VDC
Supported Protocols	MODBUS RTU
Operating Voltage	9 – 36 VDC
Watchdog Timer	System (2 second)&Communication
Configuration Tool	Serial Configuration Utility

Analog Input

Channels	8
Channel Independent Configuration	Yes
Input Type	Voltage/Current
Input Range	0-5V/0-10V/0-20mA/4-20mA
Resolution	12 bit
Accuracy	Voltage Mode: $\pm 0.1\%$ or better Current Mode: $\pm 0.2\%$ or better
Sampling Rate	10 Sample/Second (total)
Built-in	TVS/ESD Protection



AT-13241 (Current + Voltage)

Specification

General

Power Consumption	1.2 W @ 24 VDC
Supported Protocols	MODBUS RTU
Operating Voltage	9 – 36VDC
Watchdog Timer	System (2 second)&Communication
Configuration Tool	Serial Configuration Utility

Digital Input

Channel	4
Isolation Voltage	5000Vrms
Logic Level 1	Min. 6v
Logic Level 0	Max. 5v
Type of Inputs	Sinking
Grouping	4 + Common separate for each DI
Max Input current	10 mA per input

Analog Output

Channel	4
Output Type	Voltage/Current
Output Range	0-5V/0-10V/0-20mA/4-20mA
Resolution	12 Bit

Common Specifications

General

- **Power Isolation for RS485** 1.5 kV Galvanic
- **Indicator** Power ON, I/O Status, Communication LED's
- **Reset Function** Yes
- **Mounting** Din Rail
- **Material** Mild steel (MS) with powder coating

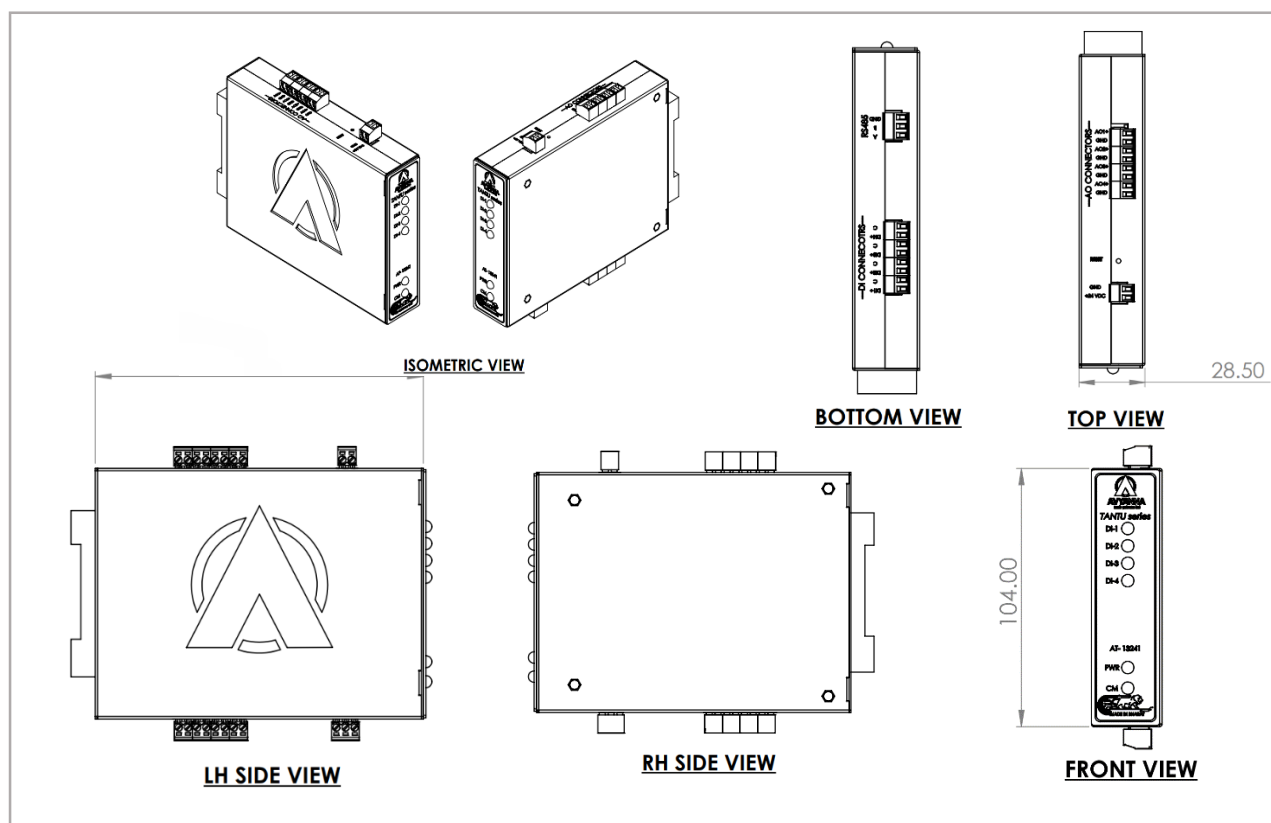
Environment

- **Operating Temperature** 0°C - 60°C
- **Storage Temperature** 0°C - 70°C
- **Operating Humidity** 20-95% RH
- **Certifications** ROHS

Serial Interface

- **Number of Ports** 1
- **RS-485 Data Direction Control** ADDC (Automatic Data Direction Control)
- **Serial Standard** RS485
- **Baud Rate** Custom (Default 115200)
- **Terminating Resistor for RS-485** 120 ohm
- **Parity** None, Even, Odd
- **Data Bits** Data Bits
- **Stop Bits** 1,2
- **Serial Signal** RS-485: 2W D+, D-,GND
- **Galvanic Isolation** 2.5 kV

Dimensions & Drawing



Order Information

Part No.	Description
AT-11013 (Current)	8-ch Analog Input with Modbus RTU
AT-11023 (Voltage)	8-ch Analog Input with Modbus RTU
AT-13241 (Current + Voltage)	4 Analog Output - 4 Digital Input with Modbus RTU