

**8DI8DO****RTU Serial MODBUS****Product Datasheet****MPN: - AT-13433**

INTRODUCTION

The 8 Digital Input, 8 Digital Output Module with Relay Outputs offers optically isolated I/O with inductive noise suppression. Serial RTU connectivity for easy network integration. making it ideal for integration into SCADA systems, PLCs, or industrial setups.

GENERAL SPECIFICATIONS

Operating Voltage	DC 9V-36V
Power Consumption	0.4 W@24V
Power Isolation for RS_485	1.5 kV Galvanic
Operating Temperature	0°C to 60°C
Operating Humidity	20-95% RH (non-condensing)
Storage Temperature	0°C to 75°C
Certifications	ROHS
Indicator	Power ON, communication LED's
Configuration Tool	Serial configuration utility
Reset Function	YES
Protection Class	IP40
Material	Nylon 6
Weight(g)	
Mounting type	Din Rail Mounting
Enclosures External Dimensions	

DIGITAL INPUTS

Number of Inputs	8
Isolation voltage	5000 Vrms
Logic Level 1	Min. 6v
Logic Level 0	Max. 5v
Type of Inputs	Sinking
Grouping	8 + Common separate for each DI
Max Input current	10 mA per input

DIGITAL OUTPUTS

Number of Outputs	8 Relay output
Relay type	1 form A(SPDT)
Contact Material	AgSnO ₂ , AgNi
Contact Rating	5A 250VAC/30VDC
Isolation voltage	1500 VDC
Mechanical Life Expectancy	2 x 10 ⁷ operations
Electrical Life Expectancy	5 x 10 ⁴ operations

SERIAL INTERFACE SPECIFICATIONS

Number of Ports	1
Serial Standard	RS485
MODBUS Support	Yes (RTU)
Baud Rate	Custom (Default 115200)
Parity	None, Even, Odd
Data Bits	8, 9 bit (including parity)
Stop Bits	1, 2
Serial Signal	RS-485: 2W D+, D-,GND
Terminating Resistor for RS-485	120 ohm
RS-485 Data Direction Control	ADDC (Automatic Data Direction Control)
Galvanic Isolation	2.5 kV

MECHANICAL DIMENSIONS

ORDERING INFORMATION

MPN	Description
AT-13433	8-ch Isolated Digital Input and 8-ch Isolated Digital Relay Output Module with Modbus RTU

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