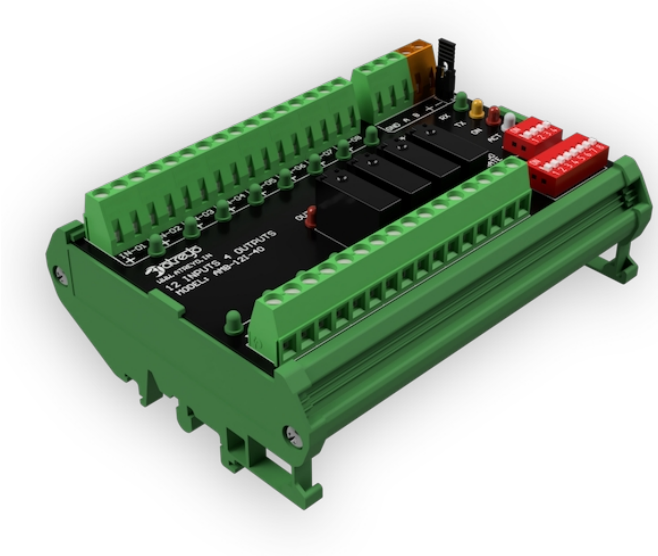
TECHNICAL SPECIFICATION

ATREYO®
SOLUTIONS THAT SIMPLIFY

12 inputs 4 outputs
Modbus I/O expander

AMB-12I-4O



Features

- **12×30V DC digital inputs**
- **4×NO relay outputs**
- **Baud rate 4800 to 128000**
- **Modbus addresses: 1 to 247**
- **RX/TX and activity indicators**
- **Powered 8-36V DC or AC**
- **DIN rail mounting**
- **Compact size**

The AMB-12I-4O input/output expander with Modbus RTU interface. It has 12 isolated digital inputs with voltage range up to 30VDC and 4 relay output with 7A 230V range and NO contacts. The power supply range is 8 to 36V and accept DC or AC voltage. The use of DC / DC technology for supplying relays enables a wide range of supply voltages.

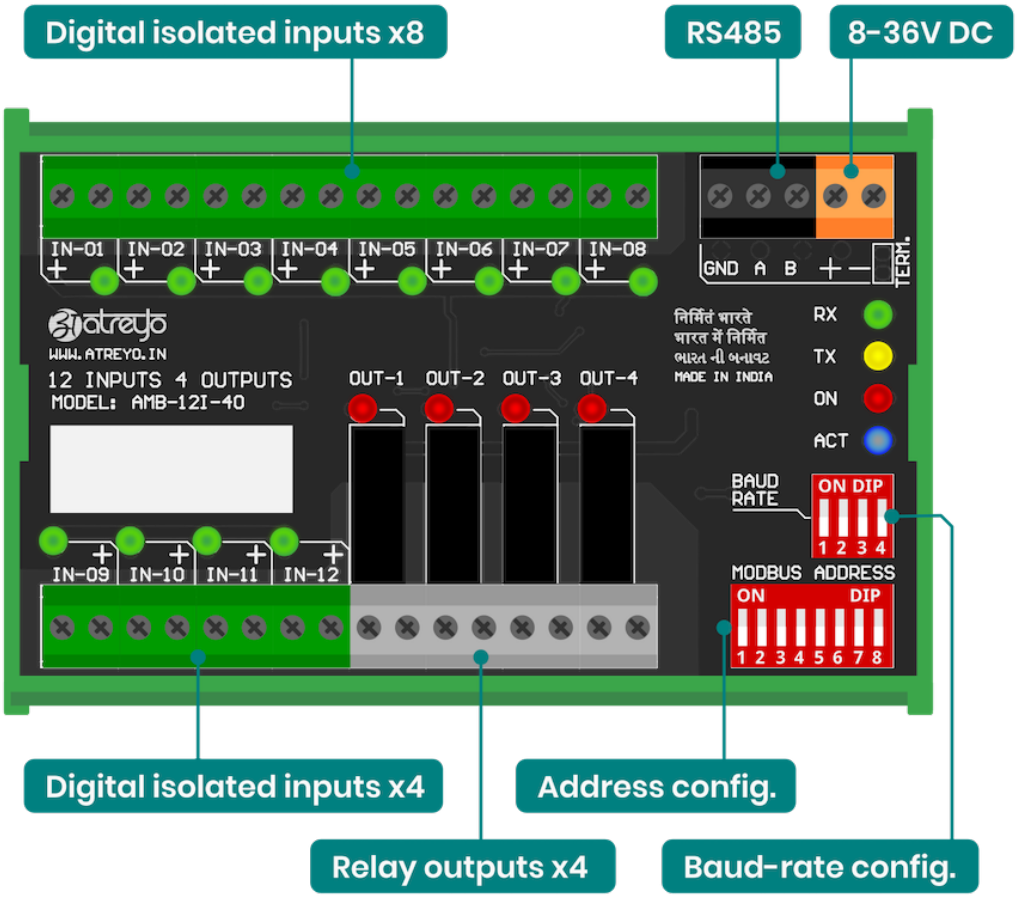
Description	Parameter
Serial interface	
Interface Type	RS485
Data Rate	4800, 9600, 14400, 19200, 28800, 38400, 57600, 115200, 128000 bps
Signals	A, B and GND
Data Length	8 bits
Parity	None
Stop Bits	1
Baudrate setting	4 way DIP switch
Address setting	8 way DIP switch
Connector	Screw termial, 28÷12AWG / 2.5^{2}mm
Digital inputs	
Input number	× 12
Input type	Opto-isolated 1.5kV
Configuration	Every input separate

Description	Parameter
Digital inputs	
VIN_{max}	30V DC
Logic 1 Voltage range	3V to VIN_{max}
Connector	Screw terminal, 28÷12AWG / 2.52mm
Digital outputs	
Output number	× 4
Configuration	Potential free, relay NO
Voltage and Load	7A 230V AC and 7A 30V DC
Connector type	Screw connector, 28÷12AWG / 2.5^{2}mm
Indicators	
Inputs indicators	× 12 ø3mm LED green
Outputs indicators	× 4 ø3mm LED yellow
RX/TX	× 2 ø3mm LED yellow/green
Power	× 1 ø3mm LED red

Description	Parameter
Power supply	
Supply voltage	8-36V DC or 8-24V AC
Power consumption	1.5W (all relay ON) 0.5W (relays off)
Connector type	Screw terminal, 28÷12AWG / 2.5^{2}mm
Physical characteristics	
Installation	DIN-Rail mounting
Housing	PVC

Description	Parameter
Physical characteristics	
Dimensions (L×W×H)	120mm × 90mm × 50mm
Weight	110g
Environmental specification	
Operating temp.	-10 ~ 75°C (-14 ~ 167°F)
Storage temp.	-40 ~ 85°C (-40 ~ 185°F)
Ambient RH	5% ~ 95% (non-condensing)

Expander



Standard package list

1 AMB-12I-4O

Please note: The set does not include a power supply.

For more details scan or click on QR code

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