

High Voltage 8 Input Extender with Modbus

AMB-8I



Features

- 8 × 60-500V DC/AC digital inputs
- Baud rate: 9600 – 128000
- Modbus addresses: 8 bit
- RX/TX and activity indicators
- Powered 8-36V DC or 8-24VAC
- DIN rail mounting

Digital input extender with high voltage range from 60V AC up to 500V AC to Modbus RTU. Input also support DC voltage

in same voltage range. The power supply range is 8 to 36V and accept DC or AC voltage.

Description	Parameter
Serial Interface	
Interface Type	RS485
Data Rate	9600bps ~ 128000bps
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 connector, 28÷12AWG / 2.52mm
Digital Inputs	
Input number	× 8
Input type	Opto-isolated Opto-isolated 1kV
Configuration	Every input separate
VIN _{max}	500V AC or 500V DC
Logic 1 Voltage range	60V to VIN _{max}
Connector	Screw connector, 28÷12AWG / 2.52mm

Description	Parameter
Indicators	
Inputs indicators	× 8 3mm LED green
RX/TX	× 2 3mm LED yellow/green
Power	× 1 3mm LED red
Activity	× 1 3mm LED blue
Power supply	
Supply voltage	8-36V DC or 8-24AC
Power consumption	
Connector type	Screw connector, 28÷12AWG / 2.52mm
Physical Characteristics	
Installation	DIN-Rail mounting
Housing	PVC
Dimensions (L×W×H)	80mm × 90mm × 50mm
Weight	100g
Environmental Specification	
Operating Temp.	-25 ~ 70°C (-13 ~ 158°F)
Storage Temp.	-40 ~ 85°C (-40 ~ 176°F)
Ambient RH	5% to 95% (non-condensing)

Model selection chart

Sn.	Model	Description
1	AMB-8I	Default specification
2	AMB-8I-DC	With low voltage inputs 30V AC/DC

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