TECHNICAL SPECIFICATION

ATREYO
SOLUTIONS THAT SIMPLIFY

USB to RS485 and RS232 isolated interface

ADI-501



Features

- High speed USB 2.0
- Opto-isolated data interface
- RX, TX, RTS, CTS signals for RS232
- FTDI chip
- Custom baud rate support
- RX and TX activity indicators
- Power supply from USB
- DIN rail mounting
- Aluminium enclosure

Industrial USB to RS232 and RS485 opto-isolated converter with FT232RL chip inside. It features embedded protection circuits such as power isolation and TVS diode, etc.

The Interface is powered directly from USB port than not need of external power supply.

Description	Parameter
RS232	
Input number	1
Interface type	RS232
Data rate	2400 – 921600 bps
Signals	RX, TX, RTS, CTS
Connector	DB9 male
Isolation	Opto-isolated 2.5kV RMS per UL 1577
Protection	±15 kV Using Human-Body Model (HBM)
RS485	
Port number	1
Interface type	RS485
Data rate	2400 – 576000 bps
Signals	A and B and ground
Connector	Pluggable screw socket
Isolation	Opto-isolated 2.5kV RMS per UL 1577
Protection	IEC 61000-4-2 level 4: – 15 kV (air discharge) – 8 kV (contact discharge) MIL STD 883C-Method 3015-6: class 3. (human body model)

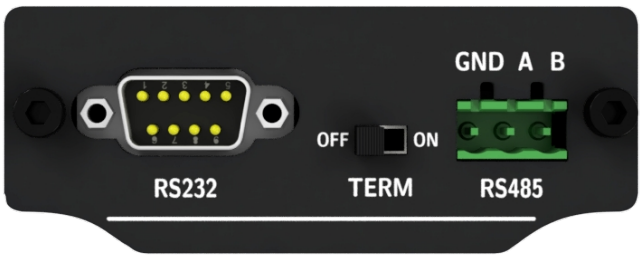
Description	Parameter
USB	
USB port number	1
USB	USB 2.0
Connector	USB type B
Protection	IEC 61000-4-2 level 4: – 15 kV (air discharge) – 8 kV (contact discharge)
System Functions Indicators	
Indicators	1 x ON, RX and TX
System Support	
OS for USB	Linux, Windows, MAC OS
Modbus RTU	All type PLC, gateways, computers etc with Modbus RTU interface
Power Supply	
Power Voltage range	5V form USB
Power consumption	0.5W average
Physical Characteristics	
Installation	DIN-Rail, clamp
Housing	Aluminium
Weight	130g

Description	Parameter
Dimensions	88mm x 35mm x 44mm (W x H x D)
Environmental Specification	
Operating Temp.	-25 ~ 85°C (-13 ~ 158°F)

Description	Parameter
Storage Temp.	-40 ~ 85°C (-40 ~ 176°F)
Ambient RH	5% to 95% (non-condensing)









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Atreyo Research & Development Pvt. Ltd.	**+91 9727741417** **info@atreyo.in**	42106, Z2, Thaltej, Ahmedabad, Gujarat, India