TECHNICAL SPECIFICATION

ATREYO®
SOLUTIONS THAT SIMPLIFY

USB to 4 x RS485 isolated interface

ADI-U4RS-1

Features

- **4x RS485 ports independently isolated**
- **Custom baudrate support**
- **Baudrate 600 to 921600**
- **RX and TX indicators for each serial port**
- **USB to serial chip FT4232**
- **Supply direct from USB**
- **USB 2.0 type B reliable connectors**
- **Industrial design**
- **DIN rail mounting**

The interface ADI-U4RS-1 is a USB to four independent RS485 serial ports. Each port is separately optically isolated and protected against electrostatic discharge by TVS, GDT and PTC fuses. The interface can run on Linux, MAC OS and Windows. Highest quality FDI chips used.

Description	Parameter
USB to UART chip	
Type	FT4232
USB	
USB port number	1
USB type	USB 2.0
Connector	USB type B
Protection	IEC 61000-4-2 level 4: – 15 kV (air discharge) – 8 kV (contact discharge)
Serial RS485	
Port number	4
Interface Type	RS485
Data Rate	600 – 921600
Signals	A, B and ground
Connector	Screw connectors 3 pin

Description	Parameter
Protection	Opto-isolated 2.5 kV RMS per UL 1577
	IEC 61000-4-2 level 4: – 15 kV (air discharge) – 8 kV (contact discharge)
	Fail-safe receiver for bus open, short and idle
	GDT protection
Termination	Each channel has a separate 120Ω termination via jumper
System Functions Indicators	
Indicators	ON – power
	RX for 4 channel
	TX for 4 channel
System support	
OS support	Linux, MAC OS, Windows, Android

Description	Parameter
Power Supply	
Power supply	Direct from USB port
Power consumption	TBD
Physical Characteristics	
Installation	DIN-Rail mounting
Housing	PVC
Dimensions	80mm × 90mm × 50mm (L×W×H)

Description	Parameter
Weight	80g
Environmental Specification	
Operating temp.	-20 ~ 65°C (-4 ~ 149°F)
Storage temp.	-40 ~ 85°C (-40 ~ 185°F)
Ambient RH	5% ~ 95% (non-condensing)

For more details scan or click on QR code

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