TECHNICAL SPECIFICATION



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		
Туре	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)	

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