

ADI-U4RS-1

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.

The converter can also be successfully used with gateways such as AG-702 or AG-1629.

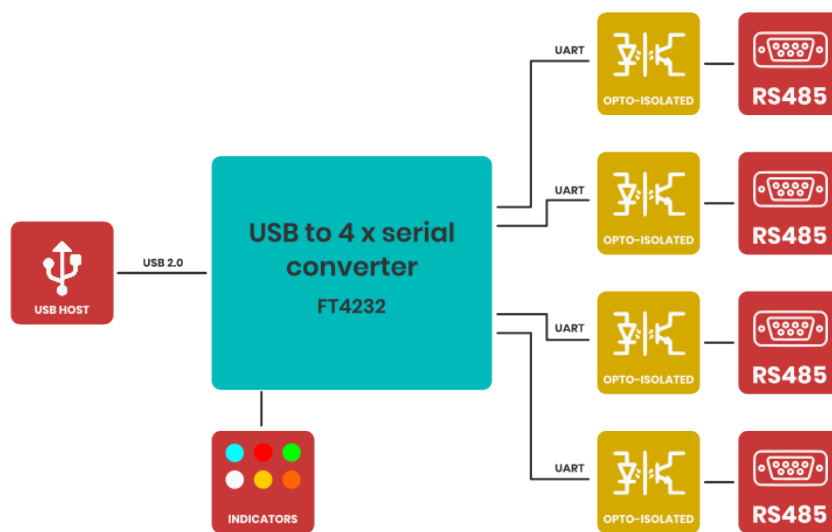
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General information

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[Technical Specification](#)

The interface has all RS485 ports isolated from USB and from each other. This ensures a high level of protection against interference.



Configuration Manual

Please read carefully before starting. Also read the product safety information.

The converter does not require drivers in most systems. Windows, Linux, and MAC OS all have built-in drivers for this converter. However, if for some reason you need drivers, you can download them from the integrated circuit manufacturer's website. [link](#)

After connecting to the host, four ttyUSB ports will appear in Linux and COM ports will appear in Windows.

Safety information

Operating environment

- The device is designed to be installed in clean, dust-free and insect-free places
- Operating temperature: -25 ~ 65°C (-13 ~ 149°F).
- Humidity range is 10% to 95% (non-condensing). Use the device in a dry environment.
- Away from heat sources and direct sunlight.
- It must not be exposed to acid fumes, salts and other chemicals.
- The device must not be used in places where there is a risk of gas explosion.

This is open type device intended for installation in a final casing/panel that offers mechanical protection and protection against the spread of fire.

Use in inappropriate conditions may damage the device or shorten its life.

Electrical and power supply safety

- The device is powered with a voltage in the range of 8-36V. Voltage up to 24V is considered safe. Be especially careful when supplying them with higher voltages.
- Use only approved accessories
- Use the supplied power adapter or a good quality certified power adapter with the correct supply voltage range and sufficient power.
- Only use approved accessories like antenna etc.

Only a person with qualification and appropriate knowledge should install the device.

Malfunctioning and damaged device

- Do not disassemble the device.
- Only qualified personnel must service or repair the device or its accessories.
- If water or other liquid has got into the device, or if it looks mechanically damaged, do not connect the device, but take it to an authorized service center.

What to do and what not to do

- You are solely responsible for the use of the device and any consequences of its use.

- Do not store or use the device in harsh environments such as dust, gases, oils, chemical vapors and damp places.
- Do not throw the device and its accessories. Handle with care.
- The device heats up during operation. Ensure proper ventilation.
- If you need to dispose of your device, check your local regulations for recycling and disposal of electronics.
- Route power, Ethernet, and antenna cables properly so that they cannot be accidentally pulled out.
- The device should be used and kept away from small children.