

## USB2RS232-C User Manual



## 1. General Description:

USB2RS232-C is a plug and play and USB A Male to RS232 male DB9 serial cable. communication between your PC/SBC/Raspberry Pi and other devices stably through RS232 Bus connection.

On-board industrial-grade FTDI FT230X, Baudrates can be set from 300 baud to 2 Mbaud. Support for 7 or 8 data bits, 1 or 2 stop bits and odd/even/mark/space/no parity mode.

Support FTDI's royalty-free Virtual Com Port (VCP) and Direct (D2XX) drivers eliminate the requirement for USB driver development in most cases.

With small size and convenient operation, It's a cost-effective solution that are safe and reliable for all your data-conversion / device-protection applications

for any experienced engineer interfacing to expensive industrial equipment yet simple enough for home use by an amateur hobbyist.

Support Windows XP/7/8/10, Mac OS, Android, Linux 2.6 greater, Ubuntu 11.10 greater and Android system.

## 2. Features

1.[High compatibility] Support Windows XP/7/8/10, Mac OS, Android, Linux 2.6 greater, Ubuntu 11.10 greater and Android system.

2.[Plug and Play USB Device] USB 2.0 full speed compatible, USB A Male to RS232 Male DB9 Serial Cable.

3.[Excellent Chipset] On board industrial-grade FTDI FT230X, Data transfer rates from 300 baud to 2 Mbaud. Support RTS/DTS handshake signal.

4.[Industrial Design] Isolated power supply and isolation signal design. On-board 5KVrms Voltage signal isolation chip and 3000VDC isolation chip.

5.[Flexible] Comes with a terminal, easy for various connecting line methods and loopback mode test.

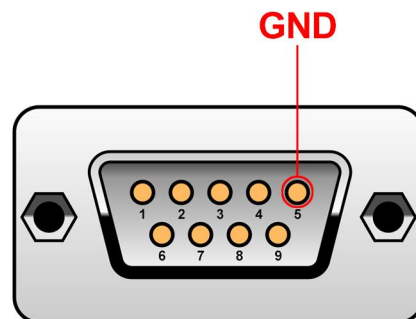
### 3. Technical Specification

<b>Connector</b>	
RS232	D-SUB, 9 pins
USB	USB 2.0 Full-Speed, Micro USB
<b>RS485 Features</b>	
Data Rate	From 300 bps to 2M bps
Bus-Pin ESD protection	15kV(HBM)
Nodes	support up to 256 nodes on a bus
Termination	Loopback
<b>Other</b>	
Work Temperature	-40° ~ 85°
Relative humidity	15-90%, not condensing
PCBA Size (L * W * H)	56.50mm * 31.20mm * 14.20mm
Weight	15.5 g

## 4. Hardware Description

### 4.1 RS485 Connector Pinout

#### RS232 CONNECTOR PINOUT



Pin	Description
1	NC
2	RXD
3	TXD
4	NC
5	GND
6	NC
7	RTS
8	CTS
9	CTS

## 4.2 LoopBack TEST

We provide a terminal for you to wiring. The terminal also support serial port loopback test.



## 5. Driver Install



Royalty free VIRTUAL COM PORT (VCP) DRIVERS for:

**Windows 10 32,64 bit**  
**Windows 8/8.1 32,64-bit**  
**Windows 7 32, 64-bit**  
**Windows Vista and Vista 64-bit**  
**Windows XP and XP 64-bit**  
**Server 2003, XP and Server 2008/2012**  
**Windows XP Embedded**  
**Windows CE 4.2-5.2, 6.0, 7.0, 2013**  
**Mac OS-X**  
**Linux 3.2 and greater**  
**Android**

The drivers listed above are all available to download for free from FTDI website  
(<https://ftdichip.com/drivers/vcp-drivers/>).

Support: [support@inno-maker.com](mailto:support@inno-maker.com) <http://wiki.inno-maker.com/display/HOMEPAGE>  
Bulk Price: [sales@inno-maker.com](mailto:sales@inno-maker.com)

Various 3rd party drivers are also available for other operating systems - see FTDI website ([www.ftdichip.com](http://www.ftdichip.com)) for details.

For driver installation, please refer to <http://www.ftdichip.com/Documents/InstallGuides.htm>

## 6. User Manual Version Descriptions

Version	Description	Date	E-mail
V1.0.0.0		2024.02.10	<a href="mailto:support@inno-maker.com">support@inno-maker.com</a> <a href="mailto:sales@inno-maker.com">sales@inno-maker.com</a>

If you have any suggestions, ideas, codes and tools please feel free to email to me. I will update the user manual and record your name and E-mail in list. Look forward to your letter and kindly share.