

USB-to-RS232 Adaptor



1.1 Overview

Connect U232 Series product to your computer, you don't even have to power-down, and then connect your serial devices directly to the U232. And you've done this without programming, without opening up your PC, without even thinking about IRQs.

U232 Series products are compliant with USB 1.1 specifications, are compatible with USB 2.0, and meet the 12 Mbps full speed requirement.

More and more peripherals are connected by the USB interface. Today's solution is to connect all devices using the open standard USB. Now U232 series product provides a simple, inexpensive, and reliable way to make this connection.

1.2 Package Checklist

The Serial Adapter package includes:

Standard Accessories

- 1 U232 USB-to-RS232
- USB A Cable (1M, UL Certification)
- U232 Series Document & Software CD

1.3 Product Features

- 1、 Uses the main ftdi chip: FT232BL or FT232RL
- 2、 Fully compatible with USB (Universal Serial Bus) VER: 2.0
- 3、 Support for RS-232 interface
- 4、 The standard DB9 serial needle

- 5、Serial transmission speed up to 1Mbps
- 6、Support automatic handshake agreement
- 7、Support remote wake-up and power management
- 8、With USB Direct power supply, do not need additional power supply
- 9、Wires: 1.5 meters long, with magnetic ring filtering, anti-interference, with shielding function, 64-pin.
- 10、The ASIC chip can support USB port to the serial port communication.
- 11、Transmission distance: 5m
- 12、Supports Windows 98/ME/2000/XP,WIN7,VISTA, Linux(Included in kernel 2.4.20 or greater),Mac OS-X MAC OS-8/9,Windows CE.NET (Version 4.2 or greater)
- 13、Virtual COM Port (VCP) & D2XX (D2xx drivers allow direct access to the USB device through DLL access) Driver support
- 14、uilt-in 15 KV ESD Surge Protection

1.4 Product Specifications

USB

Compliant with USB 1.1, 1.0 ;USB 2.0 backwards compatible

Connector USB type A

Speed Full speed 12 Mbps

Serial

No. of Ports 1/2/4/8

Connector DB9 Male

FIFO 384 Byte Rx buffer/128 Byte Tx buffer for high data throughput

Serial line protection a).15 KV ESD for all signals
b).Optical-Isolation Protection -Superior CMR-10 kV/μs, Double working voltage-480V RMS
c).Transient Voltage Suppressors -600W Peak Pulse Power capability at1.0 ms.

Serial Communication Parameters

Parity None,Even,Odd

Data bits 7,8

Stop bit 1,2

Flow Control RTS/CTS,Xon/Xoff,None

Speed 300-1Mbps(RS232)

Power Input 5VDC(BUS power)

Ext. PWR: 5VDC 1000mA