LM060 USB - RS232 Converter Adapter
FTDI chipset

1 General Description

The LM-060 USB to Serial adapter is a smart and convenient accessory for connecting RS-232 serial devices to your USB-equipped host computer. It provides a bridge connection with a standard DB 9-pin male serial port connector in one end and a standard Type-A USB plug connector on the other end.

You simply attach the serial device onto the serial port of the cable and plug the USB connector into your PC USB port. It allows a simple and easy way of adding serial connections to your PC without having to go through inserting a serial card and doing the traditional port configuration. This USB to Serial adapter is ideal for connecting modems, serial adapters, digital cameras, card readers and other serial devices to your computer.

It provides serial connections up to 1Mbps of data transfer rate. And since USB does not require any IRQ resource, more devices can be attached without the hassles of device resource conflicts.

2 Features

- USB to RS-232 (DB 9-pin male serial port) interface

- Easy Plug and Play Installation

- USB 2.0 high speed (backwards compatible with USB 1.x)

- 9 PIN Male RS232 to USB 2.0 connector

- Supported on Windows OS (32 bit and 64 bit), Linux and MAC OS

- Up to 1Mbps data transfer rate

- UART interface support for 7 or 8 data bits, 1 or 2 stop bits and odd / even / mark / space / no parity

- Supports the standard RS-232 Serial Interface

- Intergrated with a new FTDI Chipset - FT232RL

- Low operating and USB suspend current

- In-built support for event characters and line break condition

- Fully assisted hardware or X-On / X-Off software handshaking

- FIFO receive and transmit buffers for high data throughput

3 Packaging Options

RP - Retail Pack

1x RS232 to USB Converter Adapter - Part No: 060-0613

Drivers for this product are downloadable at www.lm-technologies.com

4 Technical Specification

Specification	Description
Product Name	LM060 USB-RS232 Converter
Chipset	FT232RL
Data Transfer Rate	300 baud to 3 Megabaud (RS422/ RS485 and at TTL Levels) 300 baud to 1 Megabaud (RS232)
Operation Mode	USB Bulk Transfer Mode
Input Voltage	Powered via USB – 3.3 V to 5.25 V
OS Support	Windows 98/98SE/ME/2000/XP/VISTA/7 (32 and 64 bit), MAC OS 8/9, OSX, Linux 2.4 and greater, Windows CE 4.2, 5.0 and 6.0
Interface	USB 2.0 Type A
Connectors	DB9 , USB Type A
Buffers	256 Byte receive buffer 128 Byte transmit buffer
Operating Temperature	-40°C to 85°C extended operating temperature range ambient temperature
Storage Temperature	-65°C to 150°C
Humidity	5 to 90% maximum (non-condensing)
Dimension	67 x 35 x 16 mm (LxWxH)
Weight	24 g

5 DB9 Pin Assignment

Pin1 :   DCD   <== IN
Pin2 :   RXD   <== IN
Pin3 :   TXD   ==> OUT
Pin4 :   DTR   ==> OUT
Pin5 :   GND   N/A
Pin6 :   DSR   <== IN
Pin7 :   RTS   ==> OUT
Pin8 :   CTS   <== IN
Pin9 ::   RI   <== IN

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