Product sheet:  **USB232-DTHISO**
Date: October 2015     Rev:  1.0

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## USB to RS232 converter, with full hardware handshaking and isolation barrier

Yet another RS232 converter - how is this one different from the rest?

The USB232-DTHISO supports full hardware handshaking, and offer electrical isolation between the USB and RS232 side, to ensure maximum protection of the PC and the external device.
It has clear indications of which signals are inputs and which signals are outputs, so no more googling RS232 pinouts each time you hook it up.

### RS232 connections

It is equipped with a DB-9 male connector and screw terminals which are internally connected, so you can combine them as needed.
Example : Pin 2-3-5 from the DB-9, while linking 4-6 / 7-8-1 in the screw terminals.

Pin 1



DB-9 pins                     Terminals

Pin 1 : DCD (In)          DCD          I/O direction is
Pin 2 : RXD (In)          RXD          clearly marked.
Pin 3 : TXD (Out)         TXD
Pin 4 : DTR (Out)         DTR          No more
Pin 5 : GND (Pwr)         GND          doubts about
Pin 6 : DSR (In)          DSR          what is in or
Pin 7 : RTS (Out)         RTS          out.
Pin 8 : CTS (In)          CTS
Pin 9 : RI   (In)         RI

The DB-9 connections corresponds to the terminals

- **USB 2.0 Full Speed device**
- **FTDI FT232R USB chip**
- **Drivers for Win, Linux, Mac, Android**
- **No power supply needed**
- **Baudrate up to 1 Mb**
- **2.500 Vdc isolation (1 sec)**
- **±15kV ESD protection of the RS232 pins**



### Hardware details

- Power : Powered from the PC USB port

- Current consumption : Max 100mA

- Visual indicators (Leds) : 3 (Power, RxD, TxD)

- Isolation voltage : 2.500 Vdc / 1 second

- Operating temperature : 0 to 70°C

### Mechanical details

- Height :          29mm
- Width :           64mm
- Length :          89mm
- Weight :          80 gr

### Commercial  details

- Order :          **USB232-DTHISO**

- Price(2015) :    **EUR 93** @1
                   **EUR 84** @10
                   **EUR 68** @100