Model: UT-880

(Product Name：USB to RS-232 Converter USB V2.0)

Datasheet

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1. Overview

As the PC industry growing, USB port is replacing most of the low speed external ports. In industrial environment, lots of important equipment are stilling adopts RS-232 interface design. With this, most of the users use USB to RS-232 converter to transmit the data between PC and RS-232 equipment.

UT-880 is a universal USB to RS-232 converter. There is no need external power; it is compatible with USB and RS-232 standards. UT-880 enables to convert USB signal to RS-232 signal; internal zero delay auto receiving and transmitting function, unique I/O circuit auto control data flow direction, plug & play, all these ensure that it is compatible with all the communication software and interface hardware.

UT-880 interface converter supports baud rate 300-460800bps; the power and data flow indicators show the status of the communication.

2. Major Functions & Features

● Supports USB to RS-232 Converter USB V2.0.

3. Technical Parameters

● Standards: USBV1.1, 1.0, 2.0 EIA RS-232

● USB signal: VCC, DATA-, DATA+, GND, FG

● RS-232 signal: DCD RXD TXD DTR GND DSR RTS CTS RI

● Working mode: Asynchronous, point-to-point

● Direction control: Adopting automatic data flow control technology to automatically discern and control the direction of data transmission

● Baud rate:300bps~460.8kbps, automatic detection of serial signal rate

● Load capacity: supports point-to-point communication method

● Transmission distance: Less than 5m for USB port, 5m for RS-232 port

● Interface protection: surge protection, ±15KV ESD

● Connector: USB-A male, DB9 male

● Signal indicators: two signal indicators sending (TXD), receive(RXD), one power indicators(POWER)

● Transmission media: twisted-pair or shielded cable

● Dimension: 1500mmx36mmx16mm

● Operating temperature: -45℃ to 80℃; Relative humidity: 5% to 95 %
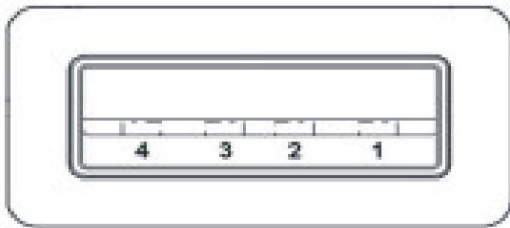
● Supports Win98/Win2000/WinXP/Vista/Win7/8/Linux

4. Pin Definition

RS-232C Pin assignment

DB9 Male(PIN)	Output signal
1	DCD
2	SIN (RXD)
3	SOUT (TXD)
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	RI

DB9 Male
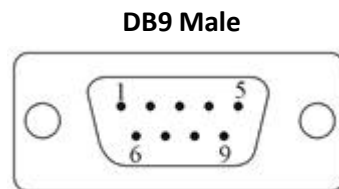
USB-A: The picture of USB signal input and pin assignment

5. Product View (Appearance)

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6. Structure dimensions
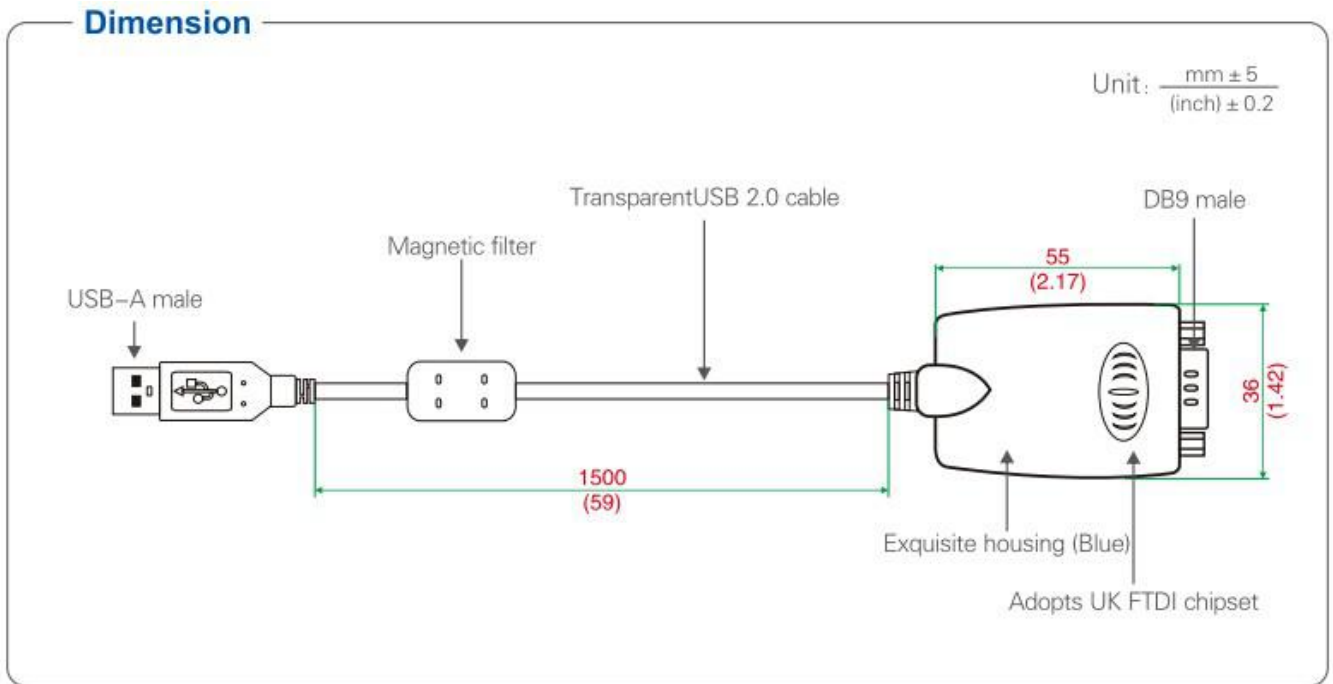
7. Ordering

MOdel	Interface				Port Number		Baud rate	Operating Environment			Power	
	Connection Type A	Connection Type B	Interface Type A	Interface Type B	USB Ports	Serial Ports		Temperature		Humidity		
								-25~70℃	-40~85℃	5~95%	plug and play	External power
UT-880R	USB-A Male	1x DB9 Male	USB 2.0	RS232	1	1	300-921600bps		√	√	√	
UT-880	USB-A Male	1x DB9 Male	USB 2.0	RS232	1	1	300-460800bps	√		√	√	