

Model: UT-8801

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

Datasheet



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1. Overview

As the development of PC, USB port starts to replace most of the low speed external ports from old PC. In industrial field, most of the devices or equipment are still using RS-232 interface. In this situation, we need to use USB to RS-232 converter to complete the data transmission between PC and RS-232 equipment.

UT-8801 is a universal USB/RS-232 converter without external power. It complies with USB, RS-232 standards; it converts single side USB signal to RS-232. This converter is with built-in zero delay auto receiving and transmitting conversion and unique I/O circuit auto control data flow direction, plug & play. It is compatible with current communication software and hardware.

UT-8801 converter provides connection for point to point communication. The baud rate can be 300-460,800bps. The power and data flow indicators indicate the working status.

2. Major Functions & Features

- Supports USB to RS-232 converter.

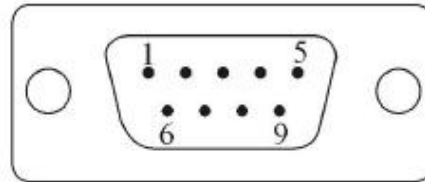
3. Technical Parameters

- Standards: USBV1.1, 1.0, 2.0 EIA S-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 identify and control the direction of data transmission
- Baud rate:300bps~460.8kbps
- Load capacity: supports point-to-point communication method
- Interface protection: ± 15 KV ESD protection
- Signal indicators: two signal indicators send(TXD), receive (RXD), one power indicators(POWER)
- Transmission media: twisted-pair or shielded cable
- Dimension: 1530mm×33mm×16mm
- Operating temperature: -40°C to 85°C; Relative humidity: 5% to 95 %
- Supports Win2000/2003/2008/2012/XP/Vista/7/8/8.1/10/CE/Mac/Linux

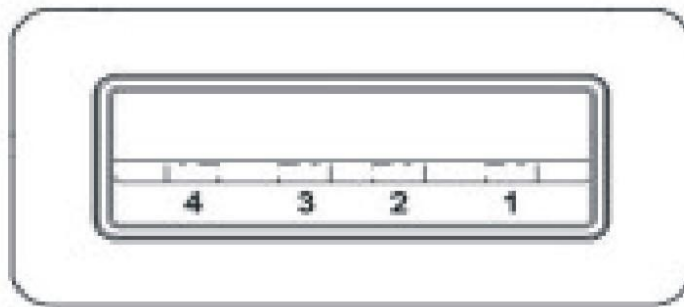
4. Pin Definiton

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

DB9 Male



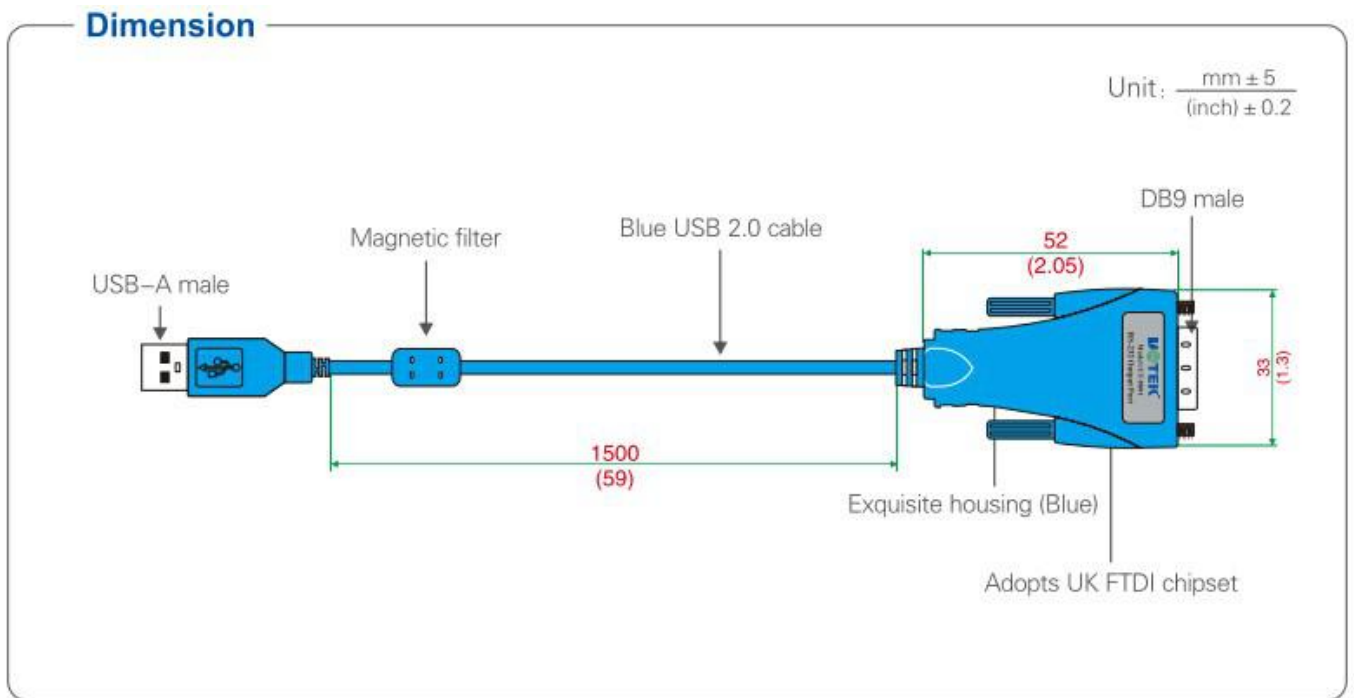
USB-A: The picture of USB signal input and pin assignment



5. Product View (Appearance)



6. Structure dimensions



7. Ordering

Ordering

Model	Signal/Port		Protection	Baudrate	Environment		Power	
	USB	RS-232			Temperature	Humidity	Port-Powered	External Power
	USB-A male	DB9 male	-25/70°C		-40/85°C	5-95%		
UT-8801	✓	✓	± 15KV ESD	300bps-460.8kbps	✓	✓	✓	