

Model:UT-8890

USB to RS-232/485/422 converter

Datasheet

1. Major Functions & Features

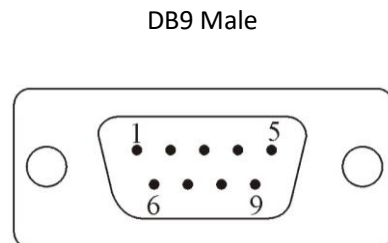
- Support USB to RS-232/485/422 converter

2. Technical Parameters

- Standard: Compliant with USBV.1, 1.0, 2.0 standard and ELA RS-485, RS-422S standard
- USB signal: VCC, DATA+, DATA-, GND, FG
- RS-232 signals: RXD, TXD, DTR, DSR, RTS, CTS
- RS-485 signals: T/R+, T/R-, GND
- RS-422 signal: T/R+, T/R-, RXD+, RXD-, GND
- Working mode: 232 full duplex, asynchronous work, point-to-point or multi-point, 2-port half duplex, 4-port full duplex
- Direction control: Data flow direction automatic control technology, automatic control of data transmission direction
- Baud rate: 300-921.6Kbps, automatic detection of serial signal rate
- Load capacity: support point to multi-point, each converter can allow the connection of 256 RS-422 or RS-485 interface devices
- Transmission distance: RS-232 end 5 meters, USB port no more than 5 meters; RS-485/422 end 1200 meters (9600bps when), USB port no more than 5 meters
- Interface protection: Surge protection, $\pm 15KV$ electrostatic protection
- Interface form: USB end of the Class A interface male, DB9 male connector connection
- Signal approval: 2 signal approval lights send (TXD) or (RXD) 1 power indicator (POWER)
- Transmission medium: twisted pair or shielded wire
- Dimensions: 1500mm*36mm*16mm (L*W*H)
- Operating temperature: -40 ~ 85°C
- Relative humidity: 5 ~ 95%
- Transmission distance: 0-1200m (485/422)
- Support WinXP/7/8/8.1/10 etc.

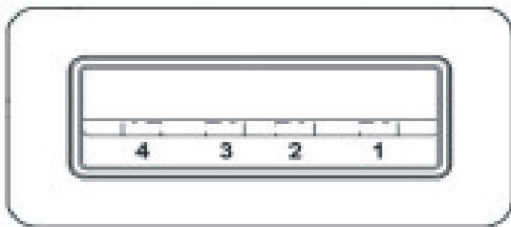
3. Pin Definition Description

DB9 Male (PIN)	Output Signal	RS-232 full duplex wiring
1	N/A	N/A
2	RXD	RXD
3	TXD	TXD
4	DTR	DTR
5	GND	GND
6	DSR	DSR
7	RTS	RTS
8	CTS	CTS
9	N/A	N/A



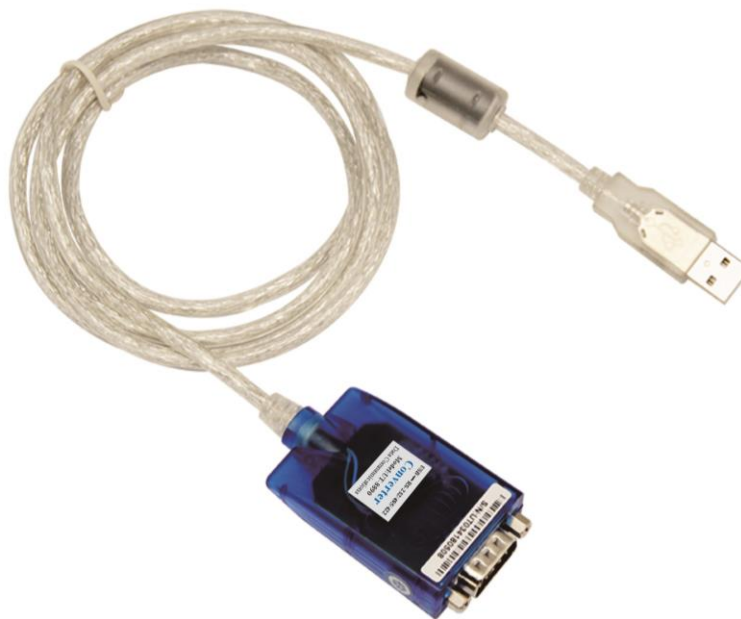
DB9 Male(PIN)	Output Signal	RS-422 full duplex wiring	RS-485 half-duplex wiring
1	T/R+	Transmitting(A+)	RS-485 (A+)
2	T/R-	Transmitting(B-)	RS-485 (B-)
3	RXD+	Receiving(A+)	N/A
4	RXD -	Receiving(B-)	N/A
5	GND	GND	GND
6	N/A		
7	N/A		
8	N/A		
9	N/A		

- USB-A: USB signal input and pin assignment diagram

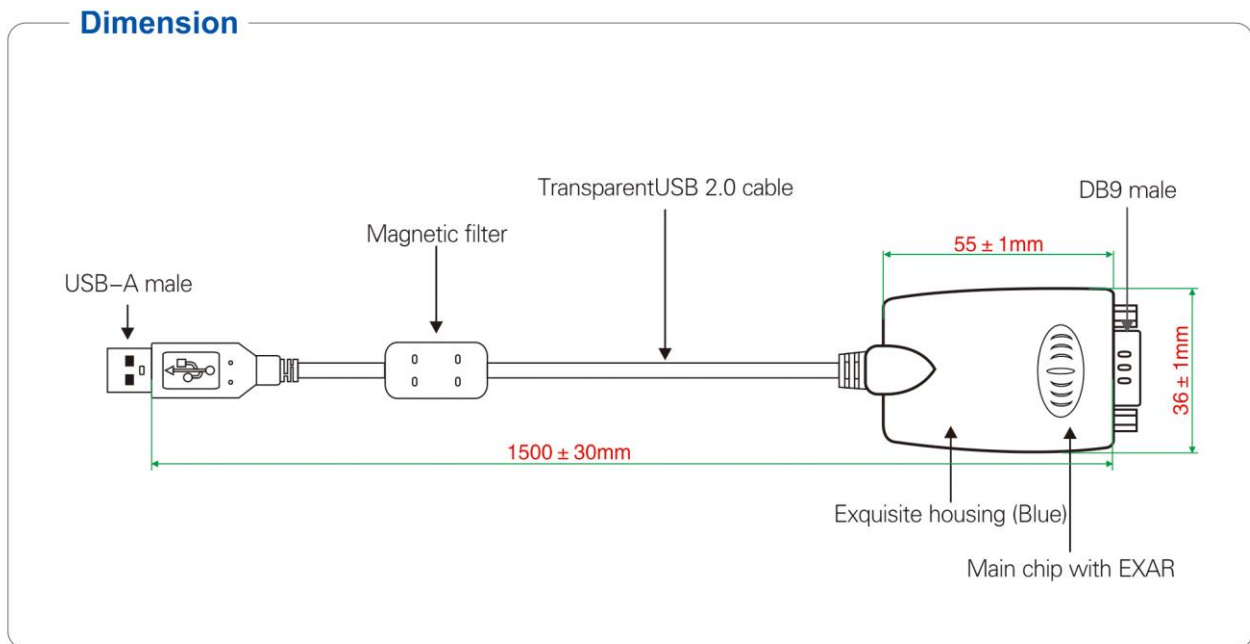


- 1、 VCC
- 2、 DATA-(DM)
- 3、 DATA+(DP)
- 4、 GND

5. Product View (Appearance)



6. Structure Dimensions



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	plug and play	External power
								-25~70°C	-40~85°C	5~95%		
UT-8890R	USB-A Male	1x DB9 Male	USB 2.0	RS232;RS422;RS485	1	1	300-921600bps		√	√	√	
UT-8890	USB-A Male	Terminal Block	USB 2.0	RS232;RS422;RS485	1	1	300-921600bps		√	√	√	