

USB to RS-232/485/422 Interface Converter



Features

- Point to point/four-wire full duplex
- Point to multi-point/four-wire full duplex
- Point to point/two-wire half-duplex
- Point to point/two-wire half-duplex
- When the converter is wired as full-duplex or half-duplex, a matching resistor (120 ohm 1/4W) should be connected at the terminal of the line to prevent signal reflection and interference
- Compliant with USBV.1, 1.0, 2.0 standard and ELA RS-485, RS-422S standard
- Supports WinXP/7/8/8.1/10 etc.

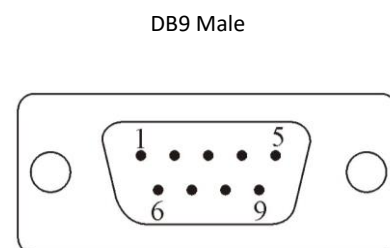


Specification

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 ... 921.6 Kbps, 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
Interface Protection	Surge Protection, ±15 kV Electrostatic Protection
Interface Form	USB Class A Plug, DB9 Plug
Signal Approval	2 Signal Approval Lights Send (TXD) or (RXD) 1 power indicator (POWER)
Transmission Medium	Twisted Pair or Shielded Wire
Dimensions	1m*36mm*16mm (L*W*H)
Operating Temperature	-40 ... 85°C
Relative Humidity	5 ... 95%
Transmission Distance	0 ... 1200m (485/422)

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

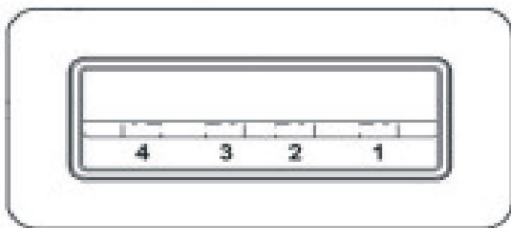


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DB9 Male(PIN)	Output Signal	RS-422 Full Duplex Wiring	RS-485 Half-Duplex Wiring
1	T/R+	Transmitting(A+)	RS-485 (A+)
2	T/R-	Transmitting(B-)	RS-485 (B-)
3	RXD+	Receiving(A+)	N/A
4	RXD -	Receiving(B-)	N/A
5	GND	GND	GND
6	N/A		
7	N/A		
8	N/A		
9	N/A		

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



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

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