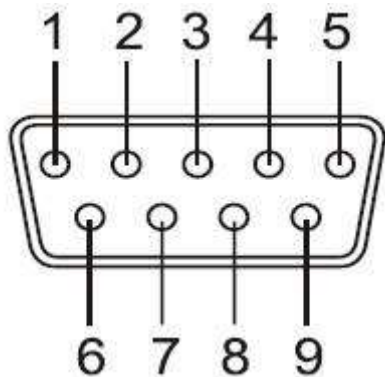


RS-232/422/485 Pin-outs & Signal Wiring



RS-232 Signal Pin-outs of DB-9 Male

Pin 1	DCD
Pin 2	RxD
Pin 3	TxD
Pin 4	DTR
Pin 5	GND
Pin 6	DSR
Pin 7	RTS
Pin 8	CTS
Pin 9	RI

RS-232 Signal Pin-outs of 5-Pin Terminal Block

Pin 1	DCD
Pin 2	RxD
Pin 3	TxD
Pin 4	DTR
Pin 5	GND

Only USB-COM PRO and USB-2COM PRO offer 5-pin terminal block.

RS-422 Signal Pin-outs of DB-9 Male

Pin 1	TxD- (A)
Pin 2	TxD+(B)
Pin 3	RxD+(B)
Pin 4	RxD-(A)
Pin 5	GND
Pin 6	RTS- (A)
Pin 7	RTS+(B)
Pin 8	CTS+(B)
Pin 9	CTS- (A)

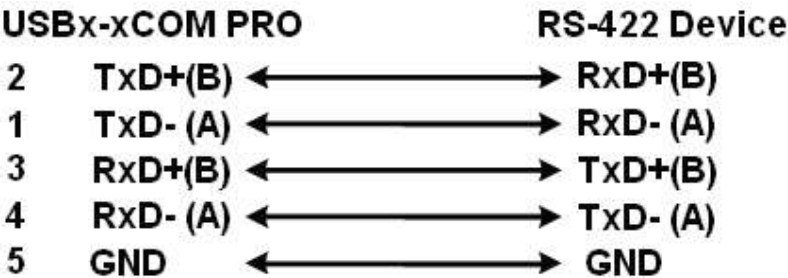
RS-422 Signal Pin-outs of 5-Pin Terminal Block

Pin 1	TxD- (A)
Pin 2	TxD+(B)
Pin 3	RxD+(B)
Pin 4	RxD-(A)
Pin 5	GND

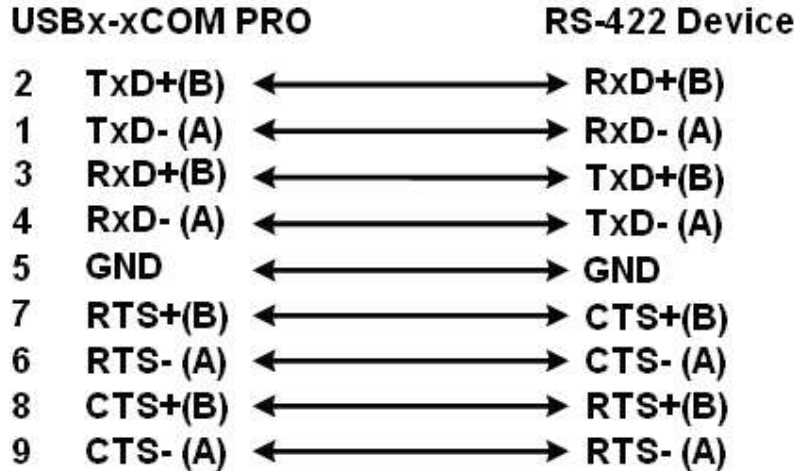
Only USB-COM PRO and USB-2COM PRO offer 5-pin terminal block

RS-422 Signal Wiring

● Point-to-Point 4 Wire Full Duplex



● RS-422 with Handshaking



RS-485 4 Wire (Full duplex) Signal Pin-outs of DB-9 Male

Pin 1	TxD- (A)
Pin 2	TxD+(B)
Pin 3	RxD+(B)
Pin 4	RxD-(A)
Pin 5	GND

RS-485 4 Wire (Full duplex) Signal Pin-outs of 5-pin Terminal Block

Pin 1	TxD- (A)
Pin 2	TxD+(B)
Pin 3	RxD+(B)
Pin 4	RxD-(A)
Pin 5	GND

Only USB-COM PRO and USB-2COM PRO offer 5-pin terminal block.

RS-485 2 Wire (Half duplex) Signal Pin-outs of DB-9 Male

Pin 1	Data- (A)
Pin 2	Data+(B)
Pin 5	GND

RS-485 2 Wire (Half duplex) Signal Pin-outs of 5-pin Terminal Block

Pin 1	Data- (A)
Pin 2	Data+(B)
Pin 5	GND

Only USB-COM PRO and USB-2COM PRO offer 5-pin terminal block.

RS-485 Signal Wiring

- Point-to-Point 4 Wire Full Duplex



- **Multidrop RS-485 2-Wire Half-duplex**

