

## RS232 to RS485/422 signal converter Model 2108B

This bi-directional combined RS-232 to RS-485/RS-422 converter is a strong commercial and industrial level unit. It converts RS232 signals to half-duplex RS485 balanced differential signals or RS422 full-duplex.

Automatic Send Data Control is enabled which means no software drivers are needed. Easy to incorporate with any Point-to-point and point-to-multipoint networks.

With this unit you get all the interfaces you need. The RS232 interface is a standard DB9 female connector and the RS485/422 offers three interfaces: RJ45, DB9 male or screw terminals, all interfaces are included with each unit.

Suitable for most office, lab and network applications, even in tough environments. It uses an external 9VDC power supply which is included.



### Specifications:

- Compatibility: EIA/TIA RS232C / RS485 / RS422
- Interface RS232: DB9 female connector
- Interface RS485/422: DB9 male, RJ45, terminal board
- Automatic Send Data Control
- Control LEDs: TX, RX, power
- Surge Protection: 1500W
- Working mode: asynchronous, half-duplex, fully duplex
- Transmission rate: 300 - 115200bps.
- Mechanical dimensions: 93mm x 23mm x 62mm
- Approvals: FCC, RoHS, CE
- Working temp: -10 to 85 C
- Humidity: 5% to 95% relative
- Terminal board, power supply and RS232 cable included with each unit

### Pin definitions:

#### RS-232 pin definition

DB9 Female	1	2	3	4	5	6	7	8
RS-232	DCD	TXD	RXD	DTR	GND	DSR	RTS	CTS

#### RS-485/RS-422 pin definition

DB9 Male	1	2	3	4	5	6
RS-422	T-	T+	R+	R-	GND	FCN
RS-485	485-	485+			GND	FCN

#### RJ-45 pin definition

RJ-45	1	2	3	4	5	6	7	8
RS-422	T+	T-	R+	R-			GND	GND
RS-485	485+	485-					GND	GND

RJ-45 connection diagram

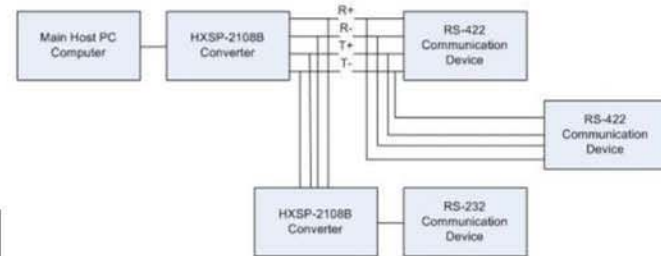


### Application examples:

RS422 communication with a single device



RS422 communication in network configuration



RS485 communications with a single device



RS485 communication in network configuration

