

485B

RS-232 to RS-485/RS-422 Converter --- Male & Female DB-9, Power & No Power!

1 use

485B RS-232 to RS-485/422 converter prolongs RS-232 communication distance to more than 1.2 Km (9600 BPS). It can be used for remote multimachine communication network of PC or microcontroller.

485B converter has features: 1, both male & female DB-9 RS-232 2, 5V powered & port powered general, 3. RS - 485 (half duplex) and RS - 422 (full duplex) 4. needs no jump settings. The optional 5V power supply can be in more stringent conditions, such as very low RS-232 voltage.

2 the hardware installation

Female DB-9 port is used to connect to RS - 232 of computer. Male DB-9 port is used to connect to RS - 232 device. But be careful not to connect the RS - 232 both side at the same time. 485B has 5 terminals on the side, half duplex communication pick 3 wire (+ A, B, GND), full duplex communication after 5 wire (+ A, B -, + R - R, GND). Optional 5 v power supply must be independent to computer or equipment ,or isolated 5 v power supply. Generally it does not need to connect power supply.

3 software instructions

This product needs not any software initialization settings! Only RXD , TXD, GND signal is needed for communication. We have a unique internal zero delay automatic transceiver conversion technology, to ensure that suitable for all software!

4 performance specification

485B	RS-232 to RS-485/RS-422	Half or Full Duplex	Port powered
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The RS - 485 is half duplex communication mode. The RS - 422 is full-duplex mode. 485B needs no external power supply, with highest baudrate of 115.2 Kbps. Boshika electronic series converters can be divided into the endpoint and node type, generally for the endpoint type. The endpoint type can take 128, node type can be taken 128 points. 485B has built-in 600w lightning surge protector and 15000v antistatic ESD protector.

5、contour figure



RS-232/RS-485 ALL SOLUTION

6. Wiring and pin assignment

RS-485 CONNECTION: + A to + A , - B to - B, GND to GND.

RS-422 CONNECTION: + A to + R , - B to - R, GND to GND.

	1	2	3	4	5
RS-485		A	GND	B	
RS-422	R+	T+	GND	T-	R-