

Y232A2**Y232B9****Y232A2:RS-232 optical-isolated extender****Y232B9:RS-232 optical-isolated extender(all 7 signals)****一、USAGE**

BOSI's RS-232 optical-isolated extender (Model: Y232A2、Y232B9) are used to extend RS-232 communication distance to 1000 meters(9600bps)、and realize optical-isolation of two RS-232 ports.Y232A2 extends only RXD、TXD、GND signals. Y232B9 extends all 7 signals of RS-232,including RXD、TXD、GND、RTS、CTS、DTR、DSR.

二、INSTALLATION

Y232A2 is DB-9/DB-9 sized, Y232B9 is also DB-9/DB-9 sized. The DB-9 female side is plugged to RS-232 socket directly.

三、SOFTWARE

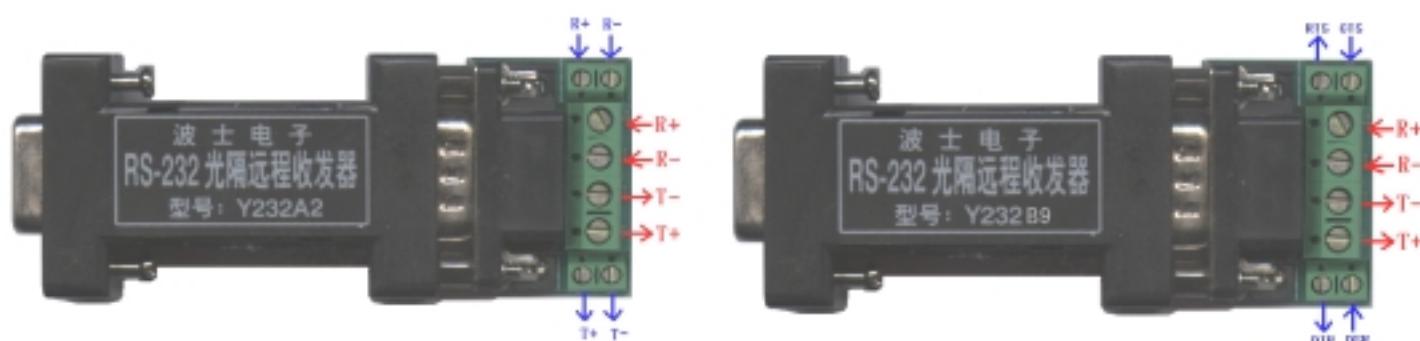
No initialization software is needed!Only RXD、TXD、GND are enough!They support all RS-232 communication software!

四、CHARACTERISTICS

model	function	characteristics	other
Y232A2	RS-232 optical-isolated extender	Only RXD、TXD、GND	Port powered
Y232B9	RS-232 optical-isolated extender	All 7 signals of RS-232	Port powered

Y232A2、Y232B9 are port powered. They support commication rate upto 9600bps-38400bps. When 9600bps ,distance is upto 1000meters.

Y232A2 converts RS-232's RXD、TXD、GND to two same current-loops. One is the main current-loop(T+、T—、R+、R—),and the other is rebandency current-loop(T+'、T—'、R+'、R—').

五、PHOTOES**六、PIN DISTRIBUTION**

When connected, “T+”is connected to the other’s“R+”, “T—” is connected to the other’s “R—”.

DB-9 male of Y232A2 (main current loop)	1	2	4	5
	(T+)	(T—)	(R—)	(R+)

DB-9 male of Y232A2	6	7	8	9
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(rebandency current-loop)	(T+')	(T—')	(R—')	(R+')
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Y232B9 PIN DISTRIBUTION :

(If Y232B9 is used to extend only TXD,RXD,GND ,then it can be used as Y232A)

DB-9 male of Y232B9 (used as Y232A)	3	5	1	2
	T (+)	T (—)	R (—)	R (+)

Other pins of DB-9 male of Y232B9:

DB-9 male of Y232B9 (other signals)	4	6	7	8
	DTR	DSR	RTS	CTS

For example,if two communication RS-232 ports need to be conecyed as :

No:1	TXD	RXD	GND	RTS	CTS	DTR	DSR
No:2	RXD	TXD	GND	CTS	RTS	DSR	DTR

then the two Y232B9's two male DB-9 sides should be connected as:

No 1's Y232B's DB-9 male	TXD		RXD		RTS	CTS	DTR	DSR
	3	5	2	1	7	8	4	6
No 2's Y232B's DB-9 male	2	1	3	5	8	7	6	4
	RXD		TXD		CTS	RTS	DSR	DTR