HUB8485G

Isolated RS-232 to 8×RS-485 HUB

1 Usage

HUB8485G is used to convert RS-232 or RS-485 to isolared 8 port RS -485. It is the world's smallest 8-port isolated RS - 485 HUB.HUB8485G can be used as a 8 port RS-485 HUB, and also be used as a RS - 232 to 8 port RS-485 converter which increase drive load of RS – 485.

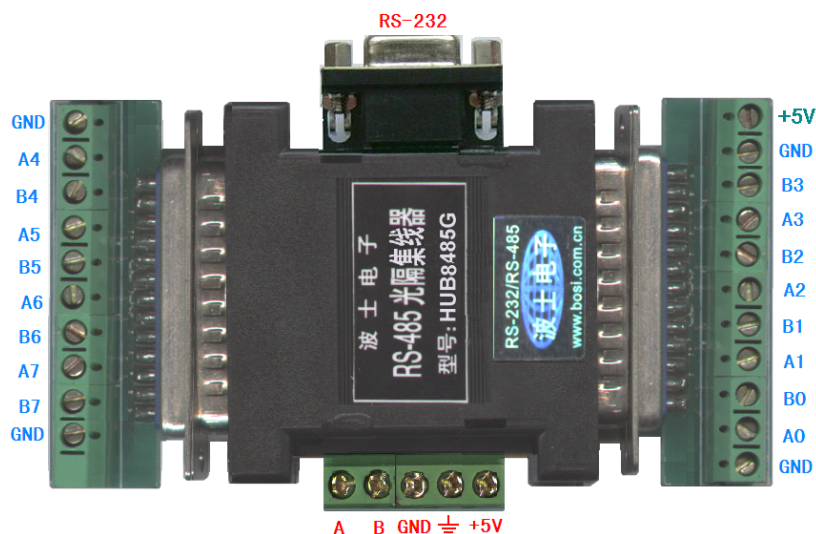## 2, Installation and performance

HUB8485G has 1 RS-232 / RS-485 port and 8 RS - 485 ports. HUB8485G has highest communication baudrate 9600 bps, actual up to 28.8 Kbps in short distance. Each RS-485 port has 600W surge protection. Due to build-in zero delay TXD-RXD exchange technology, so make sure for all half duplex communication software.

Once 1, 2 to 7 of 8 port RS-485 is damaged, the rest of the RS - 485 port still works normally. 8 RS - 485 ports (0, 1,..., 7) are functionality identical and interchangeable.

RS-232 port of HUB8485G is a standard female DB-9. RS-485 ports use connection terminals . GND of RS - 485 is the same as ground wire of the power. HUB8485G needs two independent 5v power supply.

3 Figure shape

HUB8485G has shape as shown in figure (DB-25/DB-25 dongle size). Red characters shows one side,and the blue the other side.They are electically isolated. The 8 ports RS-485 is divided into two terminals each has 4 ports(blue) .

4 Pin description

HUB8485G has two same ternimals（DB-25）each with：

2	3		5	6		8	9		11	12	22	16
+A0	-B0		+A1	-B1		+A2	-B2		+A3	-B3	GND	+5V
（0# RS-485）			（1# RS-485）			（2# RS-485）			（3# RS-485）		地	电源正

2	3		5	6		8	9		11	12	22	16
+A0	-B0		+A1	-B1		+A2	-B2		+A3	-B3	GND	(+5V)
（4# RS-485）			（5# RS-485）			（6# RS-485）			（7# RS-485）		地	（电源正）

Only anyone of two DB-25 needs to connect　a +5V power supply!

RS-232 of HUB8485G

HUB8485G（DB-9 female）		
2	3	5
RXD	TXD	GND
RS-232		

A　B　GND 　+5V

RS-485

GND of the 1 port RS-485 is the same as GND of　RS-232.　The GND is isolated to GND of the 8 port RS-485.

Be sure GND of RS-485 is connected!