

H485C

## RS-232/TTL/RS-485/422 Converter

### 1、 Usage

H485C is a general purpose RS-232 to TTL to RS-485/422. H485C has 5 conversion functions: 1、 RS-232 to RS-485 2、 RS-232 to RS-422 3、 RS-232 to TTL 4、 TTL to RS-485 5、 TTL to RS-422.

### 2、 Hardware Installation

H485C is DB-9/DB-9dongle size. 5V power supply and TTL signals have terminal blocks. Female DB-9 is RS-232, only RXD-2、 TXD-3、 GND-5. Male DB-9 is RS-485/422 connected to terminal blocks.

### 3 performance characteristics

No software Setting! Only RXD\TXD\GND signals ensure that suitable for all software! Baudrate is 0-150 KBPS. Need an external 5 V power supply (4.5 to 5.5 V voltage, power consumption is less than 50 ma),.

### 4 appearance figure



### 5, Connection and pin assignment

RS - 232 and TTL mutual conversion:

Note:

- 1, pay attention to up and down jump line (red):Close to the RS - 232 or short-circuit
- 2, pay attention to the TTL signal Flow direction
- 3, TTL signals include ground

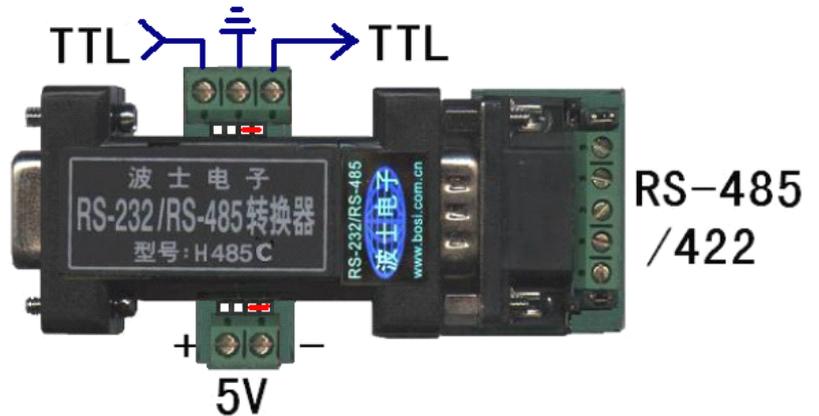


# RS-232/RS-485 total solution

## RS - 485/422 to TTL mutual conversion:

Note:

- 1, jumping up and down line (red) are as follows: Close to the RS - 485/422 or short-circuit
- 2, pay attention to the TTL signal flow direction
- 3, TTL signals include ground



## RS - 232 and RS - 485/422 conversion:

Note:

- 1, jumping up and down line (red) is: the short circuit between
- 2, the RS - 485 signals include ground



DB-9 male of H485C (half duplex):

	8-9	1-5	2-4	3
Jump set		RS-485(+A)	RS-485(-B)	GND

\* 1-5 connected as (+A) of RS-485 by Jump.

\*\* 2-4 connected as (+B) of RS-485 by Jump.

DB-9 male of H485C (full duplex): :

7-8		1 (RS-422)	2 (RS-422)	4 (RS-422)	5 (RS-422)	3
Jump set		T+(+Y)	T-(-Z)	R-(-B)	R+(+A)	GND