

# 波仕卡：RS-232/RS-485 全面解决方案

OPT485S1-T5R3

OPT485S1-T3R5

## RS-485/422/232 to Single Fiber Converter

### 1 Usage

Boshika OPT485S1 mini RS-232/485/422 to optical single fiber converter is used to realize bi-direction serial communication via only one optical fiber, and extend the communication distance. With optical fiber transmission medium, it prevents electromagnetic interference, resistance to high isolation voltage, lightning, etc. Optical fiber converters are widely used in industrial process control, distributed data acquisition, etc, especially power automation, traffic control and other departments.

### 2 Hardware Installation

OPT485S1 is RS-232/485/422 to single-fiber converter .Its shape is DB-25/DB-25 dongle size, only one ST fiber is needed. OPT485S1 needs 5V power supply.

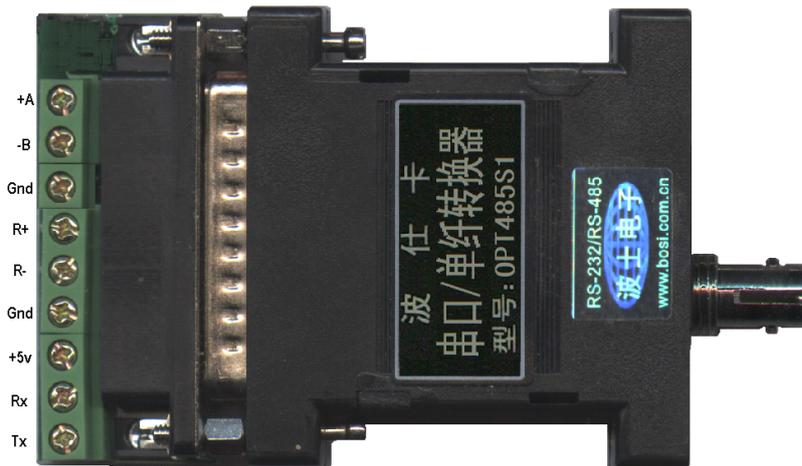
OPT485S1 divides into two kinds of models T3R5 and T5R3, T3R5 and T5R3 must be used in pairs. OPT485S1 is DB-25/DB-25 dongle size, including terminals of RS-485, RS-422, RS-232, 5V power. OPT485S1 needs external dc 5V power supply (< 100 mA).

### 3 performance characteristics

OPT485S1 has the highest baurate of 115.2 Kbps. Without any initialization Settings! Unique zero delay automatic TXD-RXD exchange technology ensures that suitable for all software

socket	ST	plug	RS-485/422/232 & 5V Terminals
media	Single-mode or Multi-mode	Size,weight	DB-25/25 Dongle、90 gram
protocal	RS-232 RS-485 RS-422	distance	15Km via single-mode single-fiber 1Km via multi-mode single-fiber
Wave length	T5R3 (Tx1550nm, Rx1310nm)	Fiber diameter	50/125、62.5/125、100/140um
	T3R5 (Tx1310nm, Rx1550nm)		

### 4 Figure



RS-485	+A	-B	GND			Gnd	+5v		
RS-422	T+	T-	GND	R+	R-	Gnd	+5V		
RS-232			GND			Gnd	+5V	Rx	Tx