

# RS232 to RS485 Converter

## Model: VRS485

VRS485 is a universal RS232 to RS485 interface converter. The power is supplied from the RS232 serial port and the Power Dissipation is less than 10mA.

### Features:

- RS485 Half - Duplex mode available
- ESD Protection: ±15kV - Human Body Model
- Surge Protection:1,500W
- Slew-Rate Limited for Error-Free Data Transmission
- Allows up to 32 or 128 (you need order) Transceivers on the Bus
- ADDC - Auto Data Direction Control



### Pin Description:

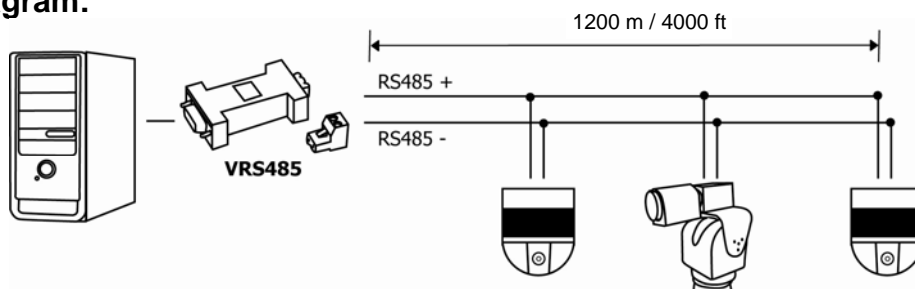
#### RS232 Side (DB9 Female)

PIN	NAME	FUNCTION
2	RD	Receiver Data from DTE
3	TD	Transmit Data to DTE
5	GND	Ground

#### RS485 Side (Terminal Block)

NAME	FUNCTION
485 +	a) ' + ' TXD+/RXD+ aka non-inverting pin
485 -	b) ' - ' TXD- / RXD- aka inverting pin
GND	c) Common signal reference ground

### Application Diagram:



### Specification:

Model	VRS485
Signal Input / Output	RS232 DB9 Female Connector / RS485 Terminal Block
Transmission Media	Twisted Pair or STP
Transmission Speed	300~115, 2KBPS
Transmission Distance	1200 m / 4000 ft
Data Rate	Up to 115.2Kbps
Operation Temperature	-25°C ~ 70°C / -13°F ~ 158°F
Dimensions W x H x D	97 x 33 x 17 mm / 3.82 x 1.30 x 0.67 inches

\*Specifications are subject to change without notice

### List of Components:

- One (1) RS232 to RS485 Converter
- One (1) User Manual

### Caution:

- Do not connect this device to any power source.
- Do not handle the unit with wet hands.
- The unit is not waterproof and should not be used outdoors.

