

RS232 to RS485 Converter

Model: VRS485

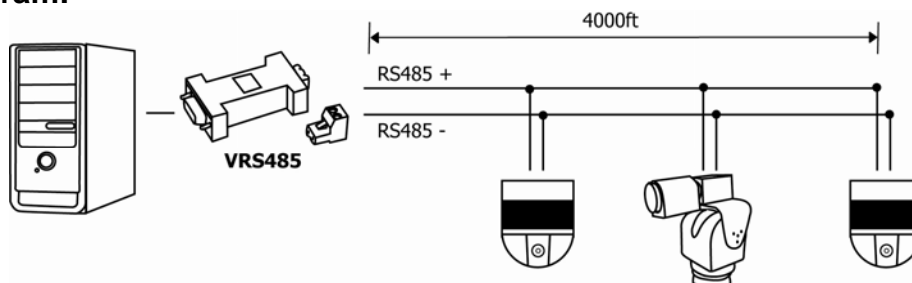
VRS485 is a universal RS232 to RS485 interface converter. The power is supplied from the RS232 serial port and the Power Dissipation is less than 10mA.

Features:

- RS485 Half - Duplex mode available
- ESD Protection: $\pm 15\text{kV}$ - 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



Application Diagram:



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

Specification:

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

*Specifications are subject to change without notice

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