



Data Transmission Series

User Manual

Model : RS002E

RS232 Full Duplex CAT5e Extender 1.2KM



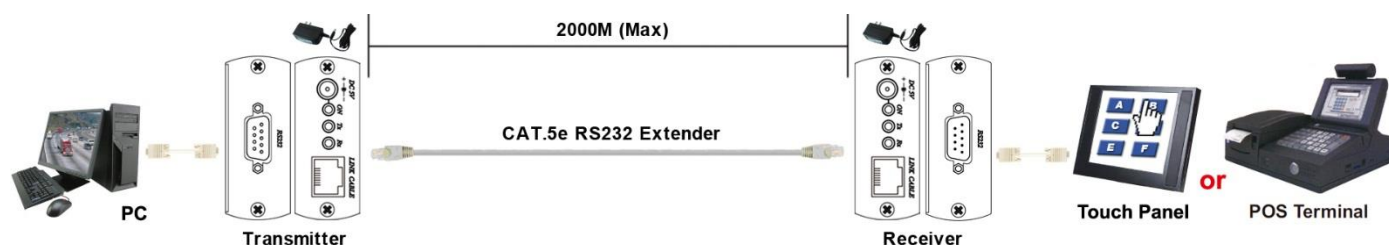
Introduction

The RS002E is a RS232 extender designed to send a RS232 signal over a cost-effective Ethernet cable, with the transmission distance up to 2000M..

Features

- Extends a RS232 signal over a CAT5e cable
- Signal extension up to 2000M
- Supports up to 115200 bps data baud rate.
- Supports full-duplex data communication..

Installation View



LED Indication Status

ON	Green	ON	Power on
ON	Green	Flash	unlink or link failed
Tx	RED	FLASH	RS232 Tx signal sending
Rx	BLUE	FLASH	RS232 Rx signal receiving

Cable

Data Link cable using high quality CAT5E UTP/STP/FTP or CAT6 UTP cable.

Transmission Range

Use CAT5e cable transmission up to 2 km (max) based on 115200bps.

Based on different rates or CAT5e cable quality, the transmission distance will be slightly different,

RJ-45 Define

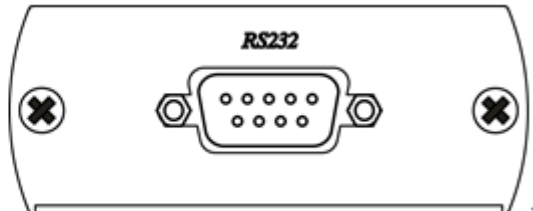
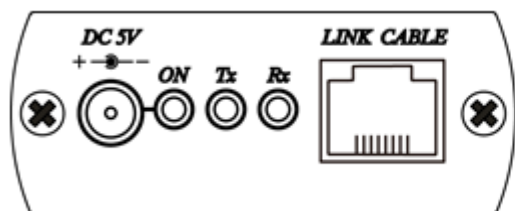
		RJ45 Jack		
		PIN	Color	Function
		1	W-O	DATA 1 +
		2	O	DATA 1 -
		3	W-G	DATA 2 +
		4	BL	DATA 3 +
		5	W-BL	DATA 3 -
		6	G	DATA 2 -
		7	W-BR	DATA 4 +
		8	BR	DATA 4 -

Caution

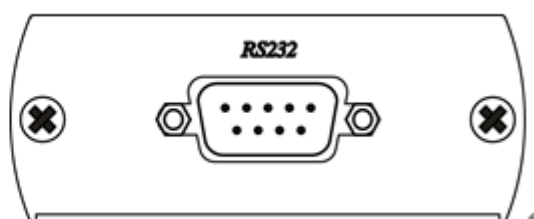
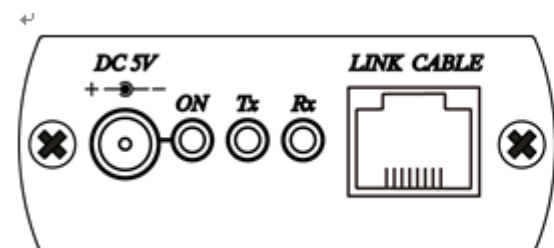
The cabling must away from any equipment with electromagnetic wave, i.e.: microwave, radio equipment, high voltage.

Panel View

RS002ET Transmitter



RS002ER Receiver



Specification

ITEM NO.	RS002ET	RS002ER
Support		
Standard	RS232	
Max. Baud Rate	300 to 115200 bps	
Max. Transmission Distance	2000M	
Ports & Interfaces		
Data Input	1 x DB9	1 x RJ45
Data Output	1 x RJ45	1 x DB9
Power		
Power Supply	DC 5V 1A	DC5V 1A
Power Consumption	200 to 250mA	200 to 250mA
Ambient Temperature		
Operation	0 to 55°C	
Storage	-20 to 85°C	
Humidity	Up to 95%	
Physical Characteristics		
Dimensions	67 x 74.5 x 27mm	67 x 74.5 x 27mm
Weight	130g	130g