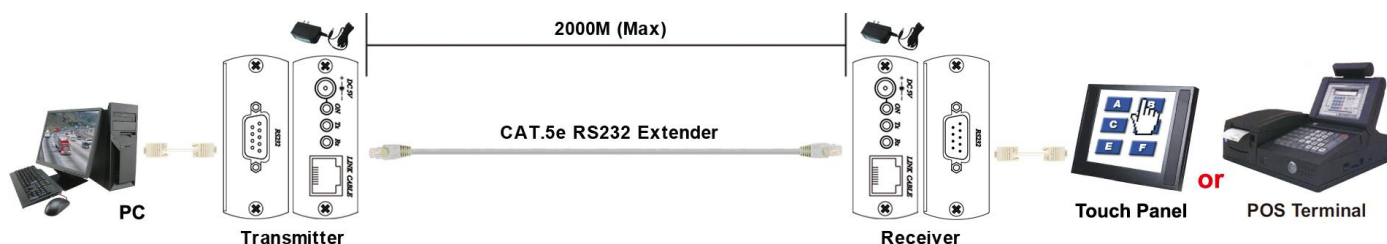# RS232 CAT5 Extender

ITEM NO.: RS002E

The CAT5 RS-232 Extender is a low cost, hardware-based solution providing remote access and control of any RS-232 protocol device. With regular RS-232 devices you are limited to an immediate area of control. The CAT5 RS-232 Extender extends control to over 2000M.   This provides you with a tremendous amount of flexibility in your topology.   Now you can place RS-232 devices in any location you want and control them remotely. The RS-232 Extender also provides full duplex transmission and is compatible with all RS-232 protocols.

Features:

- Extends any RS232 compliant devices up to 2000 meters at 115200bps.
- One CAT5/5E cable.
- Easy plug and play installation.
- Full-duplex data communication
- Speed up to 115,200 bps.
- Complete transmission of all pin RS-232C signals.
- Transmission Signal: DCD、RX、TX、DTR、DSR、RTS、CTS、RI.
- External power supply included.

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,
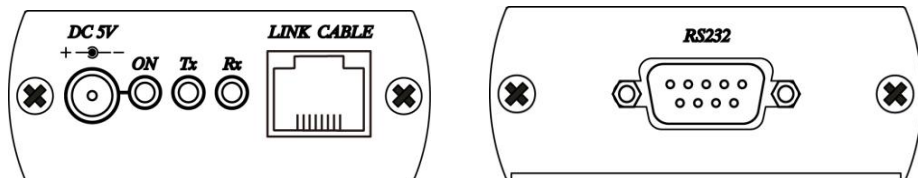
RJ-45 Define:

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 -

1 2 3 4 5 6 7 8
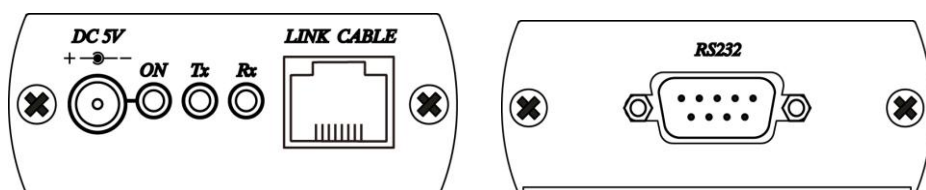W-O O W-G BL W-BL G W-BR BR
JACK POSITION

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
Data Baud Rate	300 bps ~ 115200 bps	
Input/Output Interface (RS232)	DB9 x 1 (Female)	DB9 x 1 (Male)
DB9 Pin Out	Pin 1 – Carrier Detect Pin 2 - Received Data Pin 3 - Transmit Data Pin 4 - Data Terminal Ready Pin 5 - Signal Ground Pin 6 - Data Set Ready Pin 7 - Request To Send Pin 8 - Clear To Send Pin 9 – Ring Indicator	
Link interface	RJ45 x 1	
Transmission Range (Max.)	2 KM	
Power Consumption	200mA ~ 250mA	
Power Supply	DC 5V 1A	
Temperature	Operation: 0 ~ 55℃, Storage: -20 ~ 85℃, Humidity: up to 95%	
Dimensions W x H x D mm	67 x 74.5 x 27	
Weight g	130	

RoHS CE FC ⊘

Rev. B.