



RS232 CAT5 EXTENDER



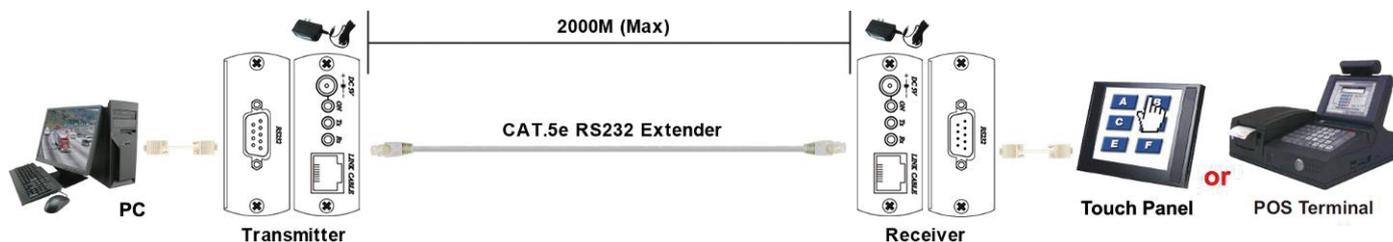
Manual
DS-52101

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:

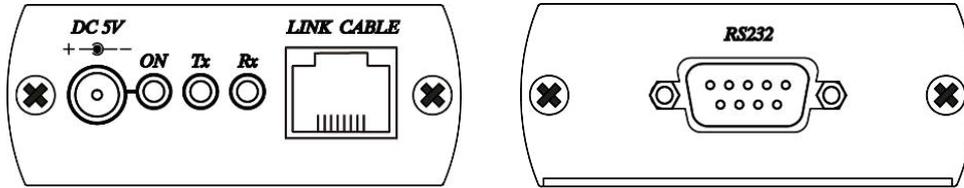
		RJ45 Jack		
		PIN	Color	Function
<p>JACK POSITION</p>	1	W-O	DATA 1 +	
	2	O	DATA 1 -	
	3	W-G	DATA 2 +	
	4	BL	DATA 3 +	
	5	W-BL	DATA 3 -	
	6	G	DATA 2 -	
	7	W-BR	DATA 4 +	
	8	BR	DATA 4 -	

Caution:

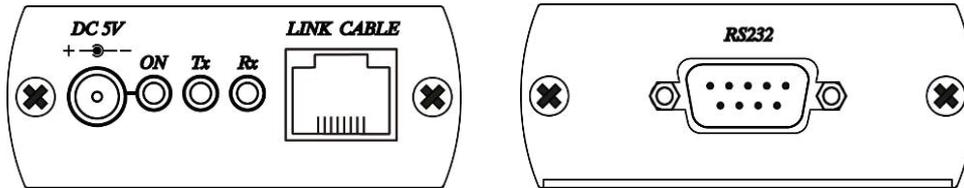
The cabling must away from any equipment with electromagnetic wave, i.e.: microwave, radio equipment, high voltage.

Panel View:

DS-52101 Transmitter



DS-52101 Receiver



Specification:

ITEM NO.	DS-52101 Transmitter	DS-52101 Receiver
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°C, Storage: -20 ~ 85°C, 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.