Ethernet to RS-232 adapter user manual

Model: S2E232V2



1. Product profile: Male type of DB9 connector

1.1 Top & Rear view:



Remark: The DCE/DTE will swap the TX/RX or CTS/RTS.

1.2 DB9 connector: Male

12345		
	2: RX	7: RTS
3 (+ + + + + +) Q -	3: TX	8: CTS
	5: GND	9: VCC
6789		

Signal **DTE Direction DCE Direction** Description Pin 1 N/A Input 2 RxD Output Transmitted data Output 3 TxD Input Received data 4 N/A 5 GND Ground N/A 6 Output 7 RTS Clear to send Input CTS Request to send (Default) 8 Output Input 9 VCC Power Input (5~40 VDC)

2. Start to use the adapter

- 2.1 2.2 There're three power inputs, mini USB, pin9 of DB9 or blue 2 ports block terminal. Please select one way to power the adapter. The max. voltage is 40 VDC input for all sources.
- 2.2 COM port default setting:
 - Baud rate: 9,600 bps
 - Data bit: 8
 - Parity: none
 - Stop bit: 1
 - Flow control: none
- 2.3 Network default setting:
 - IP: 192.168.0.3
 - Socket port: 5000 (TCP server)
 - Log in ID: admin
 - Log in password: admin
- 2.4 DCE/DTE switch: DCE side. The switch will swap TX,RX,CTS,RTS of the COM port.

Generally, DCE side for PC or NB setup. The user will test and switch to the correct side for the remote device.

2.5 LED indicator on RJ45 connector:

Green: Link, when ethernet physical link established, on.

Yellow: Data, when ethernet data communicate, toggle

2.6 LED indicator on the adapter:

Red: Solid on when power on the adapter

Blue: Flash when data input or output

2.7 Power supply

2.7.1 Voltage: 5~40 VDC, Don't exceed the limit.

2.7.2 There're 3 ways to power the adapter: Mini USB, 2P Terminal Block and pin9 of DB9, please choose one. **Don't power the adapter by more than one source.**

2.7.3 The mini USB cable is inside the standard package.

2.8 Network setting: The adapter will be connected with the PC or NB directly w/o the hub or router. Please set the local IP address as the same network segment of the default Ethernet to serial converter. The IP address mustn't be the same for both sides.

3. RS232 Interface (Male)



Pin	Signal	DTE Direction	DCE Direction	Description	
1	N/A				
2	TxD	Output	Input	Transmitted data	
3	RxD	Input	Output	Received data	
4	N/A				
5	GND			Ground	
6	N/A				
7	CTS	Input	Output	Clear to send	
8	RTS	Output	Input	Request to send (Default)	
9	VCC			Power Input (5~27 VDC)	

4. Configuration:

4.1 Web page: Execute the browser and type the default IP address, 192.168.0.3 and log in ID: admin, log in password: admin.

🗅 Index		×							Jason	-		×
← ⇒ C	192.168	3.0.3/index.	htm							Q	2 2	≡
11 應用程式	🞽 Mail-Jason	Cutlook	🕈 中時	📙 聯合	😑 簡訊	🗋 傳真	🗯 便利帶	🔶 露天	💼 eBay	**	🗋 其作	也書籤
						S	Serial \	NiFi (Convert	er		
												- 1
Lo	ogin											
		User	name:									
		Pass	word:									
									Login			
1												

Setup page: Save every page setting and apply to take effective. The adapter will reboot after press the apply button.

			Ser	ial WiFi Converter
asic	Advanced	WiFi	WiFi Wizard	
Serial S	Settings			
Device N	lame:		DSM1	
			Device name can be up to 16	6 characters.
Data Bau	ud Rate:		9600	~
Data Bits	s:		8	~
Data Par	ity:		None	~
Stop Bits	s:		1	~
Flow Cor	itrol:		None	~
Serial t	o Network Se	ttings		
Server/C	linet mode:		Enable	~
Operatio	n Mode:		Socket	~
Connecti	on Type:		UDP	~
Server L	istening Port:		5000	
			Please enter an integer betw	reen 10~65535.
Client De	estination Host Na	ame/IP:	192.168.0.4	
			Please enter host name or IP 10.4.1.100).	address(e.g. google.com or
Client De	estination Port:		5000	
			Please enter an integer betw	reen 1024~65535.
				Save Apply

- 5. 3rd Party Virtual COM port driver:
- 5.1 Eterlogic VIRTUAL SERIAL PORTS EMULATOR: http://www.eterlogic.com/Products.VSPE.html
- 5.2 Eltima Virtual COM Port Driver:

https://www.virtual-serial-port.org/

- 6. Test
- 6.1 Teraterm: for COM port or TCP server

The user will test the TCP or COM port. The COM port will be used before VCOM executed.

Tera Term: Nev	v connection	COM3:115200baud - Tera Term VT - X
© тср∦р	Host: 192.168.2.99	Elie Edit Setup Control Window Help
Serial	Port: COM34: USB Serial Port (COM34) •	Conde> D: Socket 1: VOM 2: SFC22 for example: Bioge: setStappr(sport norber) Bioge: setStappr(sport norber)
	OK Cancel Help	Carotocolo Do ICPF 1: UDP Usage: connstatus Usage: uti, connect (ISSID) (UPA PRESNURD / UEP KEY(5 or 13)) (HEP KEY ID) SSID = 1 = 32 RSCII characters

Download: https://osdn.net/projects/ttssh2/releases/

6.2 SocketTest: TCP server or Client testing

User Manual V1.0



Download: https://sourceforge.net/projects/sockettest/

7. Reset button:

Press the "Reset" button over 5 seconds, the Ethernet adapter will reset to default value. The LEDs will be off for some time and then reboot to the default value. The function is the same ad the software reset.

8. One to one connection:

The two Ethernet adapters will be connected directly without access point.





TCP Client (Host IP is the same as the TCP server)

9. Test APP Download:

If you need the sample code, please contact the supplier. iOS: Android:



Screenshot of the test APP:



Date: 2021.02.17

User Manual V1.0

요즘 말 좀 두 있습니 않는 12.0	0 문학리 순수 : 영태 975를 2200	B8-B5	e 7:53	1975 02200	
WiFi-Serial Adapter	WiFi-Serial Adapter	WiFi-Serial Adapter			
1921133057000 Guinetee	102.11402.4900 Contector	WFF 4P SSID 5x4x 2x*ri,	400301(192.140.0	1) C	
5	stragely dated 0.5 d a Laster bed to Jug Terra	18.100.23		a. 200	
ningang 🎯 kan 🔾 car, 🗘 nan 🚬	Rate Fortuna : 💽 ASCII 🛛 () HTX 📄	Ŷ	CONNECT	\$	
C3 IF TVA EBC					
		1	2	3	
		4	5	6	
		7	8	q	
Data Formati 🌚 Assa 🔘 Litek 📑 📑	📋 0.548 < SMIE 🗲 550	a	0	75	

- 10. Customized design service:
- 10.1 Cloud integration
- 10.2 APP
- 10.3 Hardware
- 10.4 Firmware
- 11. The sample code of iOS or Android will be offered w/o charge for customer's integration. The version is not the same as the APP on store, it include the communication protocol w/o user interface. The designer will develop the UI and application based on the sample code. Please contact the supplier for the sample code.