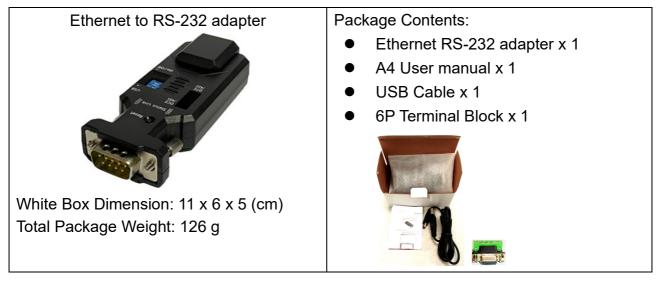
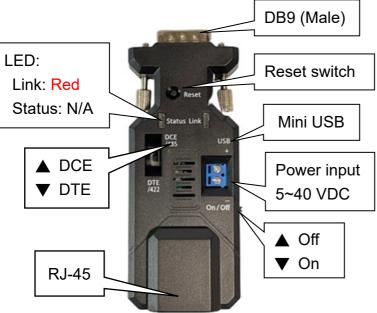
Ethernet to RS-232 adapter user manual

Model: S2E232V2



1. Product profile: Male type of DB9 connector

1.1 Top & Rear view:



Side view:



Right side

Left side

Rear side

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1.2 DB9 connector: Male

1	2	3	4	5	
-					



2: RX	7: RTS
3: TX	8: CTS
5: GND	9: VCC

6789

Pin	Signal	DTE Direction	DCE Direction	Description
1	N/A			
2	RxD	Output	Input	Transmitted data
3	TxD	Input	Output	Received data
4	N/A			
5	GND			Ground
6	N/A			
7	RTS	Input	Output	Clear to send
8	CTS	Output	Input	Request to send (Default)
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: 192.168.0.4
 - 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.**

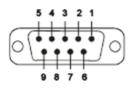
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2.7.3 The mini USB cable is inside the standard package.

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.

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

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.

		Serial Ethernet Converter
Login	Username: Password:	Login

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

				Serial Ethernet Converter
sic				
Serial S	Settings			
Device N	lame:		DSM1	
			Device nam	e can be up to 16 characters.
Data Bau	ud Rate:		9600	~
Data Bits	s:		8	~
Data Par	ity:		None	~
Stop Bits	s:		1	~
Flow Cor	ntrol:		None	~
Serial t	to Network S	Settings		
Operatio	n Mode:		Socket	~
Connecti	ion Type:		TCP	~
Server/C	Client Mode:		Server	~
erver L	istening Port:		5000	
			Please ente	r an integer between 10~65535.
CP Serv	ver Connections	:	3	~
			This is effect mode.	tive only for TCP server under Socket or VCO
				Save Apply

Serial Ethernet Converter

ania Advanced Maturale	Olaud Otatus
asic Advanced Network	Cloud Status
MQTT Setting	
Server URL/HostName:	
Server PORT:	
MQTT Client ID:	Length should be less than or equal to 200 bytes.
Username:	Length should be less than or equal to 200 bytes.
Password:	
Publish MQTT Topic:	Length should be less than or equal to 200 bytes.
	Length should be less than or equal to 128 bytes.
Subscribe MQTT Topic:	Length should be less than or equal to 128 bytes.
MQTT Scheme:	
MQTT_CA:	
MQTT_Client_CRT:	
MQTT_Client_KEY:	
AWS IOT MQTT Setting	
Server HostName:	
Server PORT:	
MQTT Client ID:	
ngri client ib.	Length should be less than or equal to 200 bytes.
Publish MQTT Topic:	Length should be less than or equal to 128 bytes.
Subscribe MQTT Topic:	Length should be less than or equal to 128 bytes.
MQTT Scheme:	
MQTT_CA:	
MQTT_Client_CRT:	
MQTT_Client_KEY:	
Ali IOT MOTT Sotting	
Ali IOT MQTT Setting	
Server HostName:	
Server PORT:	
MQTT Client ID:	Length should be less than or equal to 200 bytes.
Publish MQTT Topic:	Length should be less than or equal to 128 bytes.
Subscribe MQTT Topic:	Length should be less than or equal to 128 bytes.
MQTT Scheme:	
PRODUCT_KEY:	
DEVICE_NAME:	
DEVICE_SECRET:	
Azure Setting	
Server HostName:	
HUB name:	
Device ID:	Length must be 11 bytes,where is serial number.
Device Keys:	
Expire Time:	Length must be 10 bytes,where is timestamp in UNIX form.
	Save Apply

Remark: The cloud function is option and will be customized by the requirements.

onnection Type:	Http client	~
ttp client		
TP / HTTPS:	HTTPS	~
TP client request method:	POST	~
P client request content-type:	application/json	~
client request url:		
P client request host:		
FP client request path:		
P client request http reg header:		

- TCP Server/Client
- UDP Server/Client
- Http Client
- Https Client

asic Advanced	Network Cloud	Status	L
System Settings			
Network Mode:	Ethernet 🗸		
Ethernet Configuratio	n		
Ethernet DHCP Settin	gs		
DHCP:	Disable 🗸		
Ethernet Static IP Set	tings		
Static IP Address:	192.168.0.4		
Static Default Gateway:	192.168.0.1		
Static Subnet Mask:	255.255.255.0		

- 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.



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

6.2 SocketTest: TCP server or Client testing

Server IP Address 0.0.0.0			Connect To	
Port 21	Deal Otra Links		# Address 127.0.0.1	
Port 21	Port Stop Lister	SocketTestv 1.0	Pot 21	Bort Disconnect Becure BocketTest+
Conversation			Connected To + 127.0.0.1 (127	
Server Started on Port : 21			Conversation with host	Standard ECP Port
8(127.0.0.1.21): test 8(127.0.0.1.4417): test			S: User Admin User OK	Portika Use Description A 21 Ap A
				22 55h 23 beinet 24 numesaret 43 numesaret 43 lakos 53 dris-gine 63 whois = - 75 gopher 38 Roser
Client P Address [127.0.0.1	Port 21	Eort Clear	- Send	23 bitret ::: 25 singht Bend mails 42 namesanvet :: 43 whois : 43 dria-stree :: 63 whois=* :: 70 oppher ::

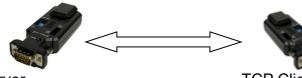
Download: https://sourceforge.net/projects/sockettest/

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 Server

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: 2022.02.17

User Manual V1.0

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192, 153 3 5 9000 Du tacces	R Doneca	1	WAR OF SSID Sede Serrij	400301(192-140.0	.) C
uhebaat @Rem ()CTR* (CT IF TH		O Hox	;; 112.160.33 ?	FI COMPECT	*
			1	2	3
			4	5	6
			7	s	q
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- 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.