

# TCPIP to RS232 bridge Virtual Serial Port User's Guide

# (Version 1.2)

## **Descriptor:**

About the Virtual Serial Port (VSP) utility, you have many choice in web site for free software, I suggest the VSPE software for use, because the VSPE is free software, you can download in this web site.

http://www.eterlogic.com/



I September 17, 2009 VSPE 0.934 has been released. MORE IP

you can click this item and download this software.



Portions of this software are copyrighted by: Eric Young and the OpenSSL Project (http://www.openssl.org)

When you had download finish, continue to setup in your PC by setup information step by step.



# **VSPE Support:**

Virtual Serial Ports Emulator is a FREEWARE program on 32 bit platform and can be used absolutely free for any purpose.

Operating system: Windows 2000, XP, Vista (32-bits), Windows 7



# **StoE Module Setting:**

	JR.
etwork Setting	Serial Port Setting
evice Name	StoE
1AC Address	00-0E-C6-00-0D-34
ЭНСР	Disable
© Sarver	
Listenin	g IP 192.168.0.1
Data listening	port 4000
Data Packet Ty	
Data Packet Ty	nect after reboot
Data Packet Ty UDP Douto con Management P Proadcast	nect after raboot
Data Packet Ty UDP Management P P Broadcast	rpe TCP Inect after reboot acket Type Multicast 255.255.255.0
Data Packet Ty UDP Management P P Broadcast Netmask Gateway	PPE ITCP Inect after reboot acket Type ☐ Multicast 255.255.255.0 192.168.0.254
Data Packet Ty UDP Management P P Broadcast Netmask Gateway DNS Server	PPE Inect after reboot acket Type ☐ Multicast 255 .255 .255 . 0 192 .168 . 0 .254 168 . 95 . 1 . 1
Data Packet Iy UDP Management P P Broadcast Netmask Gateway DNS Server Transmit Time (r	PPE Inect after reboot acket Type □ Multicast 255.255.255.0 192.168.0.254 168.95.1.1 1

Step 1 : The module select server mode and fix IP.

Step 2 : Data packet type select TCP mode.

## Start VSPE:

Step 1 : Open the VSPE software.



Step 2 : Create new serial COM port.

🛚 Virtual Serial Ports Emulator (E	mulation started)	
File View Language Emulation Device	Help	
🖆 🖬 🕨 📭 🍢 🦓	6	
Title Create new device	Device	Status
Ready		http://www.eterlogic.com

Step 3 : Select "Connector" and press "next" button.



Specify device type				
	VIRT1	Device type Connector Unlike regular serial port, connector is a virtual device that can be opened twice. When opened, it creates data pipe between its clients. That allows separate applications use the same serial port to exchange data.		
	🂾 New serial port	💾 Existing serial port 🙎 Client application		
_	< 上一步 (B) 下一步 (D) > 取消 説明			

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Serial-to-Ethernet

Step 4 : Select one "Virtual serial port" and press "finish" button.

Specify device characteristics	<
Virtual senar port	
< 上一步 (B) 完成 取消 説明	-

Step 5 : Check main window, the COM 3 had be built.

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; 🖬 🕨	• 🐂 🔭	× 🇞 🌗 🕕	
le		Total -	Status
			March 1
onday, Novemb	er 15, 2010} [COM3	] InitializationOK	

Step 6 : Create new TCPIP port, select TcpClient and press "next" button.

Specify device typ	e 🔀	
сом1	Device type TopClient	
TCP connection	TcpClient establishes TCP/IP connection to remote computer and transfers data from existing serial port to remote PC and vice versa.If connection is lost it will reconnect automatically.	
	This device does not create new serial port.	
New serial port	💾 Existing serial port 🐰 Client application	
	一步(15)一步(11) - 步(12) - 步(13) - 丁一步(11) - 取消 說明	

Step 7 : Entry host IP and port, select source serial COM port, press "finish" button.

Serial-to-Ethernet takeeare gour life	1
Specify device characteristics	
Remote TCP best     Source serial part       192.168.0.100     COM3       Remote TCP part     Dettings       4000     Write-only	
DTR/RTS depend on connection status Read data timeout, in seconds (0 if disabled) Script (located in Scripts folder)	
< 上一步 (B) 完成 取消 説明	

Step 8 : Check main window, the TCPIP port had be built.

😻 Vir	tual Serial Ports Emulator (Emulat	ion started)	
File '	View Language Emulation Device Help		
<b>2</b>	🖬 🕨 🔹 🎇 🍢 🦓 🚺	0	<b>*</b>
Title		Device	Status
CD16		Commentor	ок
CD6	=> 192.162.0.100:4000	TopClient	08
<u> </u>			
(Monds	ay, November 15, 2010} [COM3] Initializat:	ion0K	
Honds	ay, November 15, 2010} [TCP COM3 => 192.1)	58.0.100:4000] Initializa	tionUK
Ready			http://www.eterlogic.com

Step 9 : Open COM3 port window by Tera term utility.



Step 10 : You can entry any character in COM3 window.



Step 11 : Contrary you can entry any character in COM4 window.

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