

COMM-0252 Serial Device Server WEB User Manual

Oct 19th, 2023

Version: V1.0



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Foreword

Target Demographic

This manual is intended for installers and system administrators who are responsible for installing, configuring, or maintaining networks. This manual assumes that you understand all transport and management protocols used by the network.

This manual also assumes that you are familiar with the terminology, theoretical principles, practical skills, and specific expertise of network devices, protocols, and interfaces related to networking. You must also have experiences working with graphical user interfaces, command-line interfaces, simple network management protocols, and Web browsers.

Agreed

This manual uses the following conventions

GUI Agreed	Description
Sector Contraction	Descriptions of the content of the operation, with the necessary additions and explanations
A Notice	Reminds of the precautions to be taken during operation, improper operation may lead to data loss or equipment damage.



1 Overview

1.1 Product Description

COMM-0252 series is a serial port networking server that can provide 1/2 way RS-232/485/422 serial port and 1 way 10/100Base-T(x) network interface, which can centralise and manage dispersed serial devices and host computers easily and conveniently over the network. This series of devices can complete the RS-232/422/485 interface and

the Ethernet interface between the two-way transparent data transmission, can make the serial devices immediately with networking capabilities.

Product feature : Support dynamic IP (DHCP) and static IP, support gateway and proxy server, can transmit data through the Internet. Provide two-way transparent data transmission, serial port to TCP/IP function, the user does not need to make any changes to the original system. Internal integration of ARP, IP, TCP, HTTP, ICMP, SOCKET, UDP and other protocols. All programs provide Chinese interface, with setup wizard, easy to operate.

1.2 Product Features

- supports 1/2-way RS-232/485/422 serial interface for remote control function;
- supports 1 channel 10/100Base-T(x) Ethernet interface;
- supports Reset key to restore factory settings;
- provides 5 channels of signals for each serial port, including RXD, TXD, RTS, CTS, GND;
- supports baud rate range 300-921600bps;
- supports custom baud rates;
- supports MCP, VCOM virtual serial port;
- supports ARP, IP, ICMP, UDP, TCP, HTTP, DHCP, MODBUS, and other protocols;
- support TCP Server, TCP/UDP Client, MCP&VCOM, Modbus Server/Client and other working modes;
- supports serial port ± 4KV anti-static protection, network port 1.5KVAC isolation protection;
- supports -40° $\sim 85^{\circ}$ wide operating temperature;
- supports DC12~48V working voltage;



2 Hardware Description

2.1 Interface Description

2.1.1 Power connector input definition

COMM-0252

The front panel of this series of devices provides power access to DC and 3PIN 5.08 power terminals with a power input range of 12-57.6 VDC. It is recommended to use a power adapter with a DC header size of 2.5mm inner diameter and 5.5mm outer diameter.



Terminal	Power
block	
1	V+
2	(PGND)
3	V-

2.1.2 Serial Port Pin Assignment (RJ45)

RJ45			RS-422
1	TXD	DATA+	TXD+
2	RXD	DATA-	TXD-
3	RTS		RXD+
4	CTS		RXD-
5	DSR		
6	GND	GND	GND
7	DTR		
8			

2.1.3 Serial Port Pin Assignment (DB9)



DB9(PIN)	RS-232C
1	NC
2	RXD
3	TXD
4	NC
5	GND
6	NC
7	RTS
8	CTS
9	NC

2.1.4 Serial Port Pin Assignment (RS-485/422)

囚	囚	囚	囚
1	2	3	4

3.81/5.08 terminal block	RS-485	RS-422	Explanation
1	T/R+	TX+	T/R+
2	T/R-	TX-	T/R-
3		RX+	RX+
4		RX-	RX-



2.1.5 Ethernet Port PIN Assignment (RJ45)

RJ45	EIA/TIA 568B	Assignment	Explanation
1	Orange white	TX+	TX+
2	Orange	TX-	TX-
3	Green white	RX+	RX+
4	Blue	Data+	Data+
5	Blue White	Data-	Data-
6	Green	RX-	RX-
7	Brown white	Data+	Data+
8	Brown	Data-	Data-

1 8 ~ ____

10/100BaseT(X) Ethernet port

10/100BaseT (X) Ethernet port is located in the front panel of the device; the interface type is RJ45, the pin distribution of RJ45 port is defined as below figure. It adopts unshielded twisted pair (UTP) or shielded twisted pair (STP) for connection, the distance should be less than 100m. 100Mbps connection adopts 100 Ω line cat.5, and 10Mbps connection adopts 100 Ω cat.3, cat.4, cat.5.





The RJ45 port supports auto MDI/MDI-X. For MDI connection, pins 1, 2, 3 and 6 are connected accordingly. For MDI-X port of serial device server, it adopts cross line: $1 \rightarrow 3$, $2 \rightarrow 6$, $3 \rightarrow 1$, $6 \rightarrow 2$. The 10Base-T/100Base-TX pin definitions in MDI/MDI-X applications are shown as below:

		-	
MDI	MDI-X		
Signal	Signal		
TX+	RX+		
TX-	RX-		
RX+	TX+	1	
RX-	TX-		
—	—		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			
	MDI Signal TX+ TX- RX+ RX- -	MDI MDI-X Signal Signal TX+ RX+ TX- RX- RX+ TX+ RX- TX- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -	

MDI :

MDI-X:



The MDI/MDI-X adaptive function facilitates the use of the 10/100BaseT(X) Ethernet interface of the series without considering the type of Ethernet cable, and the connection between the series and the equipment can be realised directly through the crossover wire or straight-through wire.



3 Web Page

3.1 Web Page Login

Users can open a web browser and enter the default address of the serial port server: http://192.168.1.125 and press Enter. The login window will appear, as shown in the figure below, supporting Chinese and English switching. Enter the default user name:admin and password admin. Click <Login> button, you will see the serial server system status information.

L user		
i password		
	ogin	



1. When login the device, the IP network segment of PC should be consistent with the serial device server network segment.

2. When login at the first time, the IP address of PC is set to 192.168.1.x (x represents 1~254, except 125), and the subnet mask is set to 255.255.255.0, but the IP of PC cannot be the same as the serial device server, it means can't be 192.168.1.125.

3. The Web Server of this device only provides read-only mode. If the user or password input is wrong or not entered, the browser will directly jump to read-only mode, and the user cannot set the relevant parameters. If the user needs to modify the corresponding parameters, please fill in the user name and password correctly.



3.2 Web page Components

The client side of the Web-based network management system is shown in the figure below and contains the setup navigation and operation areas.

Server Settings	Server Settings	4		
Serial Port Settings	Server Parameters	i		
Operation Mode Settings	Server Name:	SerialDeviceServer		
System Status	IP Address:	192.168.1.125		
System Management	MAC Addr:	08-d1-f9-a9-0a-77		
Security Settings	Subnet Mask:	255.255.255.0		
User Settings	Gateway:	192.168.1.1		
Save Settings	DNS Server1:	0.0.0.0		
	DNS Server2:	0.0.0.0		
	Ethernet Port Rate:	Auto Negotiation	~	
	DHCP:	Disabled	~	
	Cancel	Ibmit		
	Cancer			

District	Instruction
Setting up navigation	Select the corresponding navigation for all operating
	functions.
Operating area	Specific settings and operations for all functional modules

3.3 WEB PAGE DESCRIPTION

The menu of the Web network management mainly provides eight menu items: service settings, serial port settings, mode settings, system status, system management, security settings, user settings, and save settings. As shown in the table below.

Menu	Submenu		Description
item			
Service	Service		Device model display, IP address, subnet mask, DHCP
Setting	Parameter		and other settings
Serial	Serial	port	Serial port type and basic parameter settings
port	setting		
setting			



Mode	Working mode	Mode selection, consist of tcp Server/tcp client/udp
setting		client/MCP/VCOM/modbus server/modbus
		client, default to TCP Server mode
System	System status	Tcp, udp connection status, serial port communication
Status	information	statistics display
System	System	View software version, hardware version, MAC address
Managem	Information	
ent	Restore Factory	Restore factory setting
	Upgrade	Upgrade firmware
	Firmware	
Security	IP Filter Setting	IP segments in the filtering range will not be able to
Setting		access the server via WEB.
User	Logout	Exit web user login
Setting	Change	Change user password
	Password	
Save	Save and reboot	Reboot the device
Setting		

4 BASIC SETTING

4.1 Service Setting

1. Panel Description

The panel display area shows the system information of this serial server very intuitively. The interface display is shown below:



2. Keyword Description

Device Model	Show device model	
IP Address	Device IP Address	
Subnet Mask	Device Subnet Mask	
Gateway	Device Gateway Address	
DNS Service 1	Primary DNS Address	
DNS Service 2	Secondary DNS address	
Network Port	Auto-negotiation,10M	half-duplex/full-duplex,100M
Rate	half-duplex/full-duplex	
DHCP	Whether to enable DHCP to get I	IP address,default disable

3. Instructions for operating steps

Step 1	Click the "Service Settings" interface in the navigation bar							
Step 2	After	the	user	modifies	the	corresponding	configuration,	click
	"Setti	ngs"						

4.2 Serial port setting

1.Panel description

Users can view and set network interface information and DHCP status, as shown in the figure below.

Server Settings	Serial Port Set	Serial Port Settings					
Serial Port Settings	Serial Port						
One of the Marker Settings	Serial Port:	● 1 ○ 2					
Operation Mode Settings	Serial Port Param	Serial Port Parameters					
System Status							
System Management	Interface:	RS232	v				
Security Settings	Baud Rate:	9600	v				
User Settings	Data Bits:	8	v				
Save Settings	Stop Bits:	1	~				
	Parity:	None	~				
	Flow Control:	None	~				
	Interval Time:	0	(0-100ms)				
	Packing Length:	0	(0-1440Byte)				
	Cancel	ubmit					

2. Keyword description

Serial	Port	Select serial port 1 or serial port 2
Selection		



Interface Type	Serial interface type selection, RS232/RS485/RS422
Baud Rate	Baud rate of serial port, 300~921600, or select customized,
	default 9600
Data Bit	Data bit, can choose 5/6/7/8
Stop Bit	Stop bit, selectable 1/1.5/2
Check Bit Check digit, selectable Odd/Even, default None	
Flow Control	Flow control, selectable None, RTS/CTS
Interval	Data packing interval, delay time within the packing rule.
Packing length Data packing length, if the serial port receives a data	
	smaller than this set length, it will delay the interval time to wait
	for whether there is any subsequent data coming.

3. Instructions for operating steps

Step 1	Click the "Serial Port Settings" interface in the navigation bar.
Step 2	Users can modify the corresponding serial port parameter configuration
•	and click "Settings"

4.3 Mode setting

4.3.1 VCOM mode

1.Panel description

TCP/IP virtual serial port mode works in windows system environment, through the driver to the serial port server port mapping into the local host of the virtual COM port, it makes the original COM port based on the operation of the upper end of the software does not need to do any modification like the application of the local real COM port, the driver can support the expansion of up to COM256.And each independent port can support multiple sessions, making the monitoring of serial devices more flexible and convenient, and multiple connection resources can also be connected to backup. The interface is shown as below:

Server Settings	Operation Mod	le Settings	
Serial Port Settings	Serial Port		
Operation Mode Settings	Serial Port:	● 1 ○ 2	
System Status	Operation mode P	arameters	
System Management	Connect Mode:	VCOM	•
Security Settings	Keep Alive:	60	(30-600s)
User Settings	Data Port:	966	
Save Settings	Command Port:	967	
	Cancel	ubmit	



2. Keyword description

Serial Port	Select serial port 1 or serial port 2
Selection	
Connection	Select working mode: VCOM
Mode	
Keep Alive Time	After the connection takes effect, the device will send keep-alive
	detection messages at the interval set by this value to detect
	whether the connection is in a valid state.
Data Port	Cannot be modified, just press the default
Command Port	Cannot be modified, just press the default

3. Operation steps instructions

Step 1	Click the "Mode Settings" interface in the navigation bar
Step 2	The user sets the working mode to VCOM mode and clicks "Settings".

4. Mode operation instructions

1. Use the VCOM Utility tool, select "Communication Port Mapping", click "Add Communication Port", search for the device, and create a virtual serial port.

Ф vсом								
Remote Device Management COM Mapping Options About Exit Language								
Add COM Input COM Remove COM Modify COM Enable COM Disable COM Import COM List Export CO	OM List							
# Type IP Port COM Port Connection Status								
1 2 ports 192.168.1.123 1 COM2 N/A								
2 2 ports 192.168.1.123 2 COM3 N/A								

2. Use the serial port debugging assistant to open the virtual serial port and real serial port respectively to communicate.

Serie	l connection	Data display	Serie	al connection	Data display
Port:	COM2 -	2023-12-18 15:51:00.041 SEND	Port:	C011/27 -	2023-12-18 15:51:00.067 RECV
Baudrate:	115200 💌	0123456789abc!!! 2023-12-18 15:51:00.257 SEND 0123456789abc!!!	Baudrate:	115200 💌	0123456739abc!!! 2023-12-18 15:51:00.291 RECV 0123455739abc!!!
Parity:	None -	2023-12-18 15:51:01.437 RECV 0123456789.54:11	Parity:	None -	2023-12-18 15:51:01.417 SEND 01234567880-ball
Databit:	8 👻	2023-12-18 15:51:01.636 RECV 01/2466789.bc!!!	Databit:	8 💌	2023-12-18 15:51:01.616 SEND 0123467893bc!!!
Stopbit:	1 👻		Stopbit:	1 -	
Flow:	NONE 👻		Flow:	NONE	
🔽 DTR	🛃 RTS		🔽 DTR	🗹 RTS	
DSR	🔲 CTS	2	DSR	🔲 CTS	«
🔲 DCD	🔲 RI		🔲 DCD	🗌 RI	
	Close			Close	
•	sign 📕	🔲 HEX 🗹 Timestamp 🗹 Display data 🔲 Save as file Clear	•	sign 📕	🗌 HEX 🗹 Timestamp 🔽 Display data 📘 Save as file 🔃 ear
	^	Sending space		^	Sending space
		0123456789abe!!!			0123456789abo!!!
		HEX 🗸 Timestamp 🗌 Timer 1000 🜩 (ms/time)			HEX 🗸 Timestamp 🗌 Timer 10 🜩 (ms/time)
		Enter Add check NONE Send as file			Enter Add check NONE Send as file
TX: 32	RX: 32	Frame ratio: 2 \ 2 Count reset Version: V1.0.6	TX: 32	RX: 32	Frame ratio: 2 \ 2 Count reset

4.3.2 TCP Server mode



1.Panel description

In TCP server mode, the serial server is assigned an IP port number and passively waits for host connection. When the host initiates a connection request and establishes a connection with the serial port server, the host can realize two-way transparent data transmission through the network connection and the serial port. TCP server mode supports up to 6 session connections at the same time, allowing multiple hosts to read or send Ethernet data to a serial device at the same time. The interface displays as shown below:

Server Settings	Operation Mode Settings			
Serial Port Settings	Serial Port			
Operation Mode Settings	Serial Port:	● 1 ○ 2		
Operation mode Settings	Operation mode Parameters			
System Status				
System Management	Connect Mode:	DataSocket	•	
Security Settings	Connect Type:	TCP Server Mode	~	
User Settings	Connect Num:	2	(1-6)	
Save Settings	Local Port:	10000	(0-65534)	
	Keep Alive:	60	(30-600s)	
	Cancel	ıbmit		

3. Keyword description

Serial Port	Select Serial Port 1 or Serial Port 2		
Selection			
Connection Mode	Select the working mode as DataSocket		
Connection Type	Select TCP Server Mode		
Number of	Maximum number of client connections, 1-6		
Connections			
Local Port	Listening port number, default 10000		
Keep Alive Time	After the connection takes effect, the device will send alive		
	probe messages at the interval of this setting to detect		
	whether the connection is in a valid state or not.		

4. Instructions for operating steps

Step 1	Click the "Mode Settings" interface in the navigation bar.
Step 2	The user selects the connection mode as DataSocket, the connection type
	as TCP Server Mode, sets the listening port, and clicks "Set".

4.3.3 TCP Client Mode

1. Panel Description

In TCP Client Mode, the Serial Server can actively establish a network connection with a user-specified host when the serial data arrives, and when the data transmission is finished, the Serial Server will automatically close the network connection according to the parameters of keep-alive time/idle timeout. Similarly, TCP client mode can support up to 6 session connections at the same time, enabling multiple hosts to read or send Ethernet data to a serial device at the same time. The interface is shown below:

Server Settings	Operation Mod	Operation Mode Settings					
Serial Port Settings	Serial Port						
Operation Mode Settings	Serial Port:	Serial Port: 🖲 1 🔿 2					
System Status	Operation mode P	arameters					
System Management	Connect Mode:	DataSocket	~				
Security Settings	Connect Type:	TCP Client Mode	•				
User Settings	Connect Num:	1		(1-6)			
Save Settings	Keep Alive:	60		(30-600s)			
	Heartbeat Enable:	Heartbeat Disable	~				
	Register Type:	Register Package Disable	*				
		Remote IP		Remote Port		Local Port (If	0, the system automatically allocates)
	Remote IP1:	0.0.0.0		10000	(0-65534)	10000	(0-65534)
	Remote IP2:	0.0.0.0		10001	(0-65534)	10001	(0-65534)
	Remote IP3:	0.0.0.0		10002	(0-65534)	10002	(0-65534)
	Remote IP4:	0.0.0.0		10003	(0-65534)	10003	(0-65534)
	Remote IP5:	0.0.0.0		10004	(0-65534)	10004	(0-65534)
Heartbeat Pac	ks and Reg	jistration Packs:					
	Heartheat Faable:	Network Heartheat Packet	~				
	Heartbeat Enable.			(4.65555.)			
	Heartbeat Time:			(1-000005)			
	Heartbeat Encoding:	ASCII	*				
	Heartbeat Content:						
	Register Type:	Custom Register Package	•				
	Register Location:	Connect To Send	•				
	Registration Encoding:	ASCII	•				
	Register Content:						
		Remote IP		Remote Port		Local Port (If 0,	the system automatically allocates)
	Remote IP1:	0.0.0.0		10000	(0-65534)	10000	(0-65534)

2.Keyword description

Serial Port Select Serial Port 1 or Serial Port 2	Serial Port	Select Serial Port 1 or Serial Port 2
---------------------------------------------------	-------------	---------------------------------------



Selection	
Connection	Select the working mode as DataSocket
Mode	
Connection	Select TCP Client Mode
Туре	
Number of	Maximum number of client connections, 1-6
Connections	
Keep Alive Time	After the connection takes effect, the device will send out alive probe messages at this interval to detect whether the connection
	is in a valid state or not.
Heartbeat Packet Enable	Turn off heartbeat packets: Not enabled Network heartbeat packets: send heartbeat packets to the server at regular intervals.
Heartbeat	Heartbeat packet sending interval, 1-65535s
Packet Time	
Heartbeat	Encoding format: Ascii or Hex
Packet Code	
Heartbeat Pack	Customize heartbeat packet content
Contents	
Package Type	Registration packet off: not enable
	MAC registration packet: send MAC address to server side
	Customized Registration Packet: Send customized registration packet to server side
Package	Connection Send: Sent when a connection is established with the
Location	server
	Data Carrying Send: Access the registration packet data at the
	top of each packet.
	Full Registration: Includes the above two cases
Package Code	Encouring format: Ascil or Hex
Packet Content	Customize the content of the registration packet
Remote IP/Port	Set the IP address and port number of the target host for connection

4. Instructions for operating steps

Step 1	Click the "Mode Settings" interface in the navigation bar.
Step 2	The user selects the connection mode as DataSocket and the connection
	type as TCP Client Mode.
Step 3	Set the IP address and port number of the server and click "Settings".

4.3.4 UDP Client mode



1.Panel description

In UDP mode, the interface displays as shown below:

Server Settings	Operation Mo	Operation Mode Settings				
Serial Port Settings	Serial Port					
Operation Mode Settings	Serial Port:	● 1 ○ 2				
System Status	Operation mode	Parameters				
System Management	Connect Mode:	DataSocket 🗸				
Security Settings	Connect Type:	UDP Client Mode 🗸				
User Settings	Connect Num:	1	(1-6)			
Save Settings		Remote IP	Remote Port		Local Port (If 0), the system automatically allocates)
	Remote IP1:	0.0.0.0	10000	(0-65534)	10000	(0-65534)
	Remote IP2:	0.0.0.0	10001	(0-65534)	10001	(0-65534)
	Remote IP3:	0.0.0.0	10002	(0-65534)	10002	(0-65534)
	Remote IP4:	0.0.0.0	10003	(0-65534)	10003	(0-65534)
	Remote IP5:	0.0.0.0	10004	(0-65534)	10004	(0-65534)
	Remote IP6:	0.0.0.0	10005	(0-65534)	10005	(0-65534)
	Cancel	ubmit				

2. Keyword Description

Serial Port	Select Serial Port 1 or Serial Port 2			
Selection	election			
Connection Mode	Select the operating mode as DataSocket			
Connection Type	Select UDP Client Mode			
Number of	Maximum number of client connections, 1-6			
Connections				
Remote IP	Set the IP address and port number of the target host to			
	connect to			

3. Instructions for operating steps

Step 1	Click the "Mode Settings" interface in the navigation bar.
Step 2	The user selects the connection mode as DataSocket and the connection
	type as UDP Client Mode.
Step 3	Set the IP address and port number of the server and click "Settings".

4.3.5 Modbus Server mode

1.Panel description

The device is set as a Modbus server and acts as a slave station to respond to transaction requests. The interface displays as shown below:



Server Settings	Operation Mode Settings		
Serial Port Settings	Serial Port		
Operation Mode Settings	Serial Port:	● 1 ○ 2	
Surtem Status	Operation mode P	arameters	
System Status	Connect Mode:	Modbus	
System Management	Connect Type:	TCP Server Mode	
Security Settings	connect type.		
User Settings	Connect Num:	2	(1-6)
Save Settings	Local Port:	10000	(0-65534)
	Keep Alive:	60	(30-600s)
	Cancel	ıbmit	

2. KEYWORD DESCRIPTION

Serial Port	Select serial port 1 or serial port 2
Selection	
Connection Mode	Select the operating mode as Modbus
Connection Type	Select TCP Server Mode
Number of	Maximum number of client connections, 1-6
Connections	
Local Port	Listening port number, default 10000
Keep Alive Time	After the connection takes effect, the device will send out alive
	detection messages at the interval of this setting to detect
	whether the connection is in a valid state.

3. Instructions for operating steps

Step 1	Click the "Mode Settings" interface in the navigation bar.
Ste 2	The user selects the connection mode as Modbus, the connection
	type as TCP Server Mode, sets the listening port, and clicks "Set".

4.3.6 Modbus Client Mode

1. Panel Description

The device is set as a Modbus client, which is acting as a master and initiating the transaction request on its own initiative. The interface is displayed as below:



allocates)
У

2. Keyword Description

Serial Port	Select serial port 1 or serial port 2
Selection	
Connection Mode	Select the operating mode as Modbus
Connection Type	Select TCP Client Mode
Number of	Maximum number of client connections, 1-6
Connections	
Remote IP	Set the IP address and port number of the target host to be
	connected.

3. Instructions for operating steps

Step 1	Click on the "Mode Setting" screen in the navigation bar.
Step 2	User selects Modbus as the connection mode and TCP Client Mode as the
	connection type.
Step 3	Set the IP address and port number of the server and click "Set".

4.3.7 MCP Mode

1. Panel Description

TCP/IP virtual serial port mode works in windows system environment, through the driver to the serial port server port mapping into the local host of the virtual COM port, so that the original COM port based on the operation of the upper end of the software without any modification, like applying the local real COM port, the driver can support the expansion of up to COM256, and each independent port can support multiple sessions, making the monitoring of the



serial port device more flexible and convenient. And each independent port can support multiple sessions, making the monitoring of serial devices more flexible and convenient, and multiple connection resources can also be connected to backup. The interface is shown as below:

Server Settings	Operation Mode Settings						
Serial Port Settings	Serial Port	Serial Port					
Operation Mode Settings	Serial Port:	Serial Port: 1 2 					
System Status	Operation mode F	Parameters					
System Management	Connect Mode:	МСР	•				
System Management	Keep Alive:	60	(30-600s)				
Security Settings	Data Porti	950					
User Settings	Data Fort.	000					
Save Settings	Command Port:	966					
	Cancel	ıbmit					

2. KEYWORD DESCRIPTION

Serial I	Port	Select serial port 1 or serial port 2
Selection		
Connection		Select the operating mode: MCP
Mode		
Keep Alive T	ïme	After the connection takes effect, the device will send alive
		detection messages at the set time interval to detect whether the
		connection is in a valid state.
Data Port		No modification, just press default
Command P	ort	No modification, just press default

3. Instructions for operating steps

Step 1	Click the "Mode Setting" screen in the navigation bar.
Step 2	The user can set the working mode as MCP mode and click "Set".

4. Mode operation instructions

1,.Using the Nport Administrator tool, select the "COM-Mapping" option, click the "Add" button to create a virtual serial port, and then click "Apply". After creating the virtual serial port, click "Apply".

<u>F</u> ile <u>C</u>	OM Mapping C	onfiguration ⊻iew <u>H</u> elp		
<u>I</u> . E xit	dik Add Re	enove Apply Undo Setting		
١o	COM Port 🗠	Address 1	Address 2	
	COM2	192.168.1.123 950:966 (Port1)		

2. Use the serial port debugging assistant to open the virtual serial port and the real

serial port respectively to communicate.

	串口连接	数据显示		串口连接	数据显示
串口:	C0112 -	2023-09-07 16:51:12.038 SEND	串口:	COM5 -	2023-09-07 16:51:12.051 RECV
波特率:	115200 -	0123406709306::: 2023-09-07 16:51:13.490 RECV	波特率:	115200 -	0123406/09a00::: 2023-09-07 16:51:13.486 SEND
棱验位:	无校验	012349670980c: ::	校验位:	无枝验	0123400/09400:::
数据位:	8 👻		数据位:	8 👻	
停止位:	1 -		停止位:	1 -	
流控制:	无		流控制:	无	
🔽 DTR	MTS		🗾 DTR	🗹 RTS	
DSR	CTS	*	🔲 DSR	CTS	«
🔲 DCD	EI RI		🔲 DCD	🔲 RI	
	关闭			关闭	
	标识	🔲 HEX 🔽 时间戳 🔽 显示数据 📃 以文件保存 清除数据	•		🔲 HEX 🔽 时间戳 🔽 显示数据 🔲 以文件保存 清除数据
	<u>^</u>	发送区		<u>^</u>	发送区
		0123456789abe!!!			0123456789abe!!!
	~	□ HEX 时间戳 □ 定时 1000 (ms/次)		~	HEX ✓ 时间戳 定时 1000 ÷ (ms/次) 发祥教报
)				
TX: 16	RX: 16	帧数比:1\1 计数清零 版本号: V1.0.6 1	TX: 16	RX: 16	帧数比: 1 \ 1 计数清零 版本号: ∀1.0.6



4.4 System Status

1. Panel Description

TCP Status

Displays the current system TCP connection status

Server Settings	System S	itatus							
Serial Port Settings	Device Sta	tus Display							
Operation Mode Settings	Status:	Status: TCP Status							
System Status	Туре	Local IP	Remote IP	Local Port	Remote Port	Snd_nxt	Rcv_nxt	Status	
System Management				No	Data				
Security Settings									
User Settings									
Save Settings									

UDP Status

Displays the current system UDP connection status

Server Settings	System Status							
Serial Port Settings	Device Status Display							
Operation Mode Settings	Status: UDP Status	Status: UDP Status						
System Status	Local IP	Remote IP	Local Port	Remote Port				
System Management		No	Data					
Security Settings								
User Settings								
Save Settings								

Serial Port Status

Displays the current system serial port configuration status and send/receive data statistics.



System Status							
Device Status Display							
Status: Serial	Port Status	~					
Ser	Total RX	Total Tx	RTS	CTS	DTR	DSR	
1	0	0	OFF	OFF	OFF	OFF	
2	0	0	OFF	OFF	OFF	OFF	
	System Statu Device Status D Status: Serial 2	System Status Device Status Display Status: Serial Port Status Ser Total RX 1 0 2 0	System Status Pevice Status Display Status: Serial Port Status Ser Total RX Total Tx 1 0 0 2 0 0	System Status Device Status Display Status: Serial Port Status Ser Total RX Total Tx RTS 1 0 0 OFF 2 0 0 OFF	System Status Device Status Display Status: Serial Port Status Ser Total RX Total Tx RTS CTS Ser Total RX Total Tx RTS OFF CF OFF C C C C C C C C C C C C	System Status Device Status Display Status: Serial Port Status Ser	

4.5 System Management

1. Panel Description

Server Settings	System management				
Serial Port Settings	System Information				
Operation Mode Settings	Firmware Version: V1.27.6 Build20240506				
System Status	Hardware Version: 40021254				
System Management	Load Factory Default				
Security Settings					
User Settings	Load Factory Default settings: Load Factory Default				
Save Settings	Upgrade Firmware				
	Select The Firmware And Upgrade: Select File Upgrade				

2.Keyword Description

Firmware Version	Display the firmware version number of the current device
Hardware Version	Display the hardware version number of the current device
Restore Factory	Restore factory settings
Firmware Upgrade	Software upgrade

4.6 Security Setting

1. Panel description

IP filtering settings, IP segments within the filtering range will not be able to access the server via WEB, the interface is displayed as below:

Security Settings						
IP Filter Settings						
	Start IP Address	End IP Address	Status			
Rule 1:	0.0.0.0	0.0.0.0	Disabled			
Rule 2:	0.0.0.0	0.0.0.0	Disabled			
Rule 3:	0.0.0.0	0.0.0.0	Disabled			
Rule 4:	0.0.0.0	0.0.0.0	Disabled			
Cancel	Submit					
	Security IP Filter : Rule 1: Rule 2: Rule 3: Rule 4: Cancel	Security Settings IP Filter Settings Start IP Address Rule 1: 0.0.0 Rule 2: 0.0.0 Rule 3: 0.0.0 Rule 4: 0.0.0 Cancel Submit	Security Settings IP Filter Settings Start IP Address Rule 1: 0.0.0 0.0.0 Rule 2: 0.0.0 0.0.0 Rule 3: 0.0.0 0.0.0 Rule 4: 0.0.0 0.0.0 Cancel Submit			

4.7 User Setting

1. Panel Description

Server Settings	User Settings
Serial Port Settings	Logout
Operation Mode Settings	Logout
System Status	Change Password
System Management	
Security Settings	Original Password:
User Settings	New Password:
Save Settings	Confirm Password:
	Cancel Submit

2.Keyword Description

Logging Out	Click to exit web login
Change Password	Enter your original and new passwords to change your user password



4.8 Save Setting

1. Panel description

Click restart to make the configuration take effect

Server Settings	Save Settings
Serial Port Settings	Save And Restart
Operation Mode Settings	Please check all Settings and press the restart button to take effect Restart
System Status	
System Management	
Security Settings	
User Settings	
Save Settings	

5. Troubleshooting instruction

a) Unable to find the IP address of the serial server by running search

1. Firstly, check whether the physical connection is normal, the network cable (distinguishing between cross-wire and direct line) and the power supply is connected, observe the power indicator, LAN light, ACT (connected to the 10M network, the light is not lit, 100M when it is lit).

2. Is the host network card available and can it communicate with other local hosts

3. Close all the tools and software that can block broadcast packets (do not open the firewall that comes with the system)

4. Sudden abnormal disconnection while entering the configuration through the browser and setting the IP. For example: power failure, after which the device is not searched for and the IP is reset by entering the configuration through the console port.



b) Cannot open serial port

- 1. Ensure the normal operation of the network and whether it can ping the server.
- 2. Check the working status to see if the port is occupied.
- 3. If using VCOM mode to check if the configuration of the VCOM Utility is correct.
- 4. Delete the corresponding COM port from the registry and remap it.

c) Cannot transmit or receive data

1. Ensure that the serial port can be opened normally.

2. Check the frequency of the system light flashing, as fast flashing indicates data transmission and reception. If the light is not flashing fast, check the connection between the serial port and the top network, and the bottom serial device for wiring.

d) Forgot the set password

1. Press and hold the "reset" button for 5 seconds to restore the factory settings.

e) Transmiting and receiving data is garbled

1. Check if the wiring is correct. Our 485 wiring is 1A+, 2B -

2. Check if the line distance exceeds the standard distance and the quality of the line (which can also be achieved through extended line transceivers or optical isolation).

3. Check if the set baud rate matches the bottom device.

4. Detach from the client's top software and use the network or serial port to debug whether the assistant can receive normal data. If you can receive normal data, the problem may be related to the packing mechanism, you can go to the "Port Configure" to set the length of the packing and the waiting time of the packing.

f) The serial communication server acts as a dial-up server, and the connection has been established normally, but the client PC cannot open the web page when it enters the domain name in the address bar with IE browser; it can open the web



page when it enters the IP address.

1. Whether the DNS set in the serial communication server is real and valid.

g) The serial communication server acts as a dial-up server, and the connection has been established normally, but when the client PC opens a complex web page or downloads a large file using Internet Explorer, it often fails to open or download.

1. Check the [Serial Port] in the serial communication server settings to ensure that the [Flow Control] is consistent with the flow control of the MODEM. Usually MODEM flow control is RTS/CTS (Hardware Flow Control).

2. The negotiated DCE rate between MODEMs is too low, please dial again.

i) Cannot be connected as a TCP server

1. Confirm that there is no other PC connected to the corresponding port of the serial communication server: Enter the [Statistics] of the serial communication server to check the [Active TCP Information].

2. Whether [Authentication] in [Detailed Parameters] is [none].

If none of the above methods solves your problem, please contact the manufacturer.

6 Vcom Software Operating Instruction

6.1 Remote Devices Management

6.1.1 Device Search

After connecting the device, start the software "VCOM".

As in Figure 1, select remote devices Management--Add Device to bring up the search interface to find the IP address of the devices in your network.

Figure 2, select the "Search" button, you can find the IP address and basic information of all the devices in your network.



Figure 3, and then select Figure 3 "cancel", and Figure 2 "ok" button, you can find the device information displayed in the VCOM interface, the results are shown in Figure

4:						
🛞 VCOM	-			A 8444		
Remote Dev Add Devie	rice Management	COM Mapping O Device Login	ptions <u>A</u> bout <u>E</u> xit Settings Assign IP Logo	ut Import Setting:	s Export Settings	Firmware Update Open in Browser
#	Туре	MAC	IP	Device Description	Info	COM Number



VCON	1				a subsci	Autor Auto	the suffer-th	
<u>R</u> emote D	levice Managem	ent <u>C</u> OM Ma	apping Options	<u>A</u> bout	<u>E</u> xit			
Add De	evice Remo	ve Device	Login Se	ttings A	ssign IP Logo	ut Import Setting	s Export Settings	Firmware Update Open in Browse
#	Туре	MAC	IP			Device Description	Info	COM Number
			Add Device				×	Δ
			Select/Clea	r All				
			#	Туре	MAC	IP		
			Search	IPv6		ОК	Cancel	



🚯 VCOM						44.17	
Remote De	evice Management		Mapping Options	<u>A</u> bout <u>E</u> xit			
Add Dev	vice Remove [Device	Login Settin	gs Assign IP L	ogout Import S	ettings Export Settings	Firmware Update Open in Browser
#	Туре	MAC	IP		Device Descriptio	n Info	COM Number
			Searching			X	<u> </u>
			# Type	MAC	IPv4	IPv6	
			1 1 Port	90:7E:BA:84:93:E2	192.168.1.125		
							-
							-
						Cancel	



🗎 VCOM		_	_							
Remote De	Remote Device Management COM Mapping Options About Exit									
Add Dev	rice Remove [Device	Login Se	ttings Ass	ign IP Logout	Import Settings Ex	port Settings	Firmware Update Open in Browse		
#	Туре	MAC	IP		Device	Description Info		COM Number		
			Add Device				×			
			Select/Clea	r All						
			#	Туре	MAC	IP				
			☑ 1	1 Port	90:7E:BA:84:93:E2	192, 168, 1, 125				
			Search	IPv6		OK	Cancel			





6.1.2 Deleting Serial Device Information

In the software "VCOM", first select the device information, and then in the Remote Device Management interface, click "Remove Devive" to delete the device information, as shown in the following figure:

(🚯 VCOM		_	_	-	44.5	
Γ	<u>R</u> emote Dev	vice Management	COM Mapping O	ptions <u>A</u> bout <u>E</u> xit			
Add Device Remove Device Login Settings Assign IP Logout Import Settings Export Settings Firmware Update Open in							
	#	Туре	MAC	IP	Device Description	Info	COM Number
l	1	1 Port	90:7E:BA:84:93:E2	192.168.1.125	Server	Latched	3,4,5,6

6.1.3 Login Device

In the software "VCOM", select remote devices Management interface, click the "Login" button to pop up, as shown in Figure 1 below, enter the password to complete the login, after the success of the following Figure 2 shows.



Q	VCOM		_			11.1					
ſ	Remote Device Management COM Mapping Options About Exit										
Add Device Remove Device Login Settings Assign IP Logout Import Settings Export Settings Firmware Update Open in Browser											
	#	Туре	MAC	IP	Device Description	Info	COM Number				
	1	1 Port	90:7E:BA:84:93:E2	192.168.1.125	Server	Latched	3,4,5,6				
				Login	_	×					
				Enter Password admin							
				ОК	Cancel						



💮 vco	М						
Remote	Device Managen	nent <u>C</u> OM Mapping	Options <u>A</u> bout <u>E</u> xit				
Add D	evice Remo	ove Device	Settings Assign IP	Logout Import Set	tings Export Settings	Firmware Update	Open in Browser
# ^	Туре	MAC	IP	Device Description	Info	COM Number	
1	1 Port	90:7E:BA:84:93:E2	192, 168, 1, 125	Server	Logged in	3,4,5,6	
-			Information				
			Logged in.				
					ОК		



6.1.4 Configuration Information

After completing the device login, click the "Setting" button to pop up the interface as shown in the following figures:

6.1.4.1 Basic

Display basic device information, maintain the following default states



VCOM	
Remote Device Management COM M	lapping Options About Exit
Add Device Remove Device	Login Settings Assign IP Logout Import Settings Export Settings Firmware Update Open in Browser
* Type MAC 1 1 Port 90:7E:BA	Settings COM Number 3,4,5,6
	MAC: 90:7E:BA:84:93:E2 Firmware Version: v.4.180423_1008 Basic Network Serial SNMP Change Password
	Device Description Server Time Zone UTC+08:00
	Local Date 2000/ 1/ 1
	Image: State
	Enable Reset button protect
	OK Cancel

6.1.4.2 Network

Used for IP related configuration, consistent with serial server configuration

(VCOM	
Remote Device Management COM Mapping Options About Exit	
Add Device Remove Device Login Settings Assign IP Logo	ut Import Settings Export Settings Firmware Update Open in Browser
# Type MAC Continue	COM Number
1 1 Port 90:7E:BA	3,4,5,6
Iype: 1 Port MAC: 90:7E-BA:84:93:E2 Firm	ware Version: v 4 180423 1008
Basic Network Serial SNMP	Change Password
IP Configuration Static	
IP Address 192.168.1.125	
Netmask 255.255.2	
Gateway	
DNS Server	
IPv6 Configuration Static	
IPv6 Address	
Prefix Length 64	
Gateway (v6)	

6.1.4.3 Serial

The basic information configuration for ports is shown in Figure 1.



Double click on the corresponding item of "Settings" for the selected serial port, or select the corresponding serial port and click the "Configure" button to open the configuration interface as shown in Figure 2.

() VCOM	
Remote Device Management COM Ma	apping Options About Exit
Add Device Remove Device	Login Settings Assign IP Logout Import Settings Export Settings Firmware Update Open in Browser
# Type MAC 1 1 Port 90:7E:B3	Settings Type: 1 Port MAC: 90:7E:BA:84:93:E2 Firmware Version: v.4.180423_1008 Basic Network Serial SNMP Change Password Port Description Settings 1 921500,8,N,1,No flowcth Configure Configure
	OK Cancel
	图 1
🚯 VCOM	
Remote Device Management COM Ma	apping <u>O</u> ptions <u>A</u> bout <u>E</u> xit
Add Device Remove Device	Login Settings Assign IP Logout Import Settings Export Settings Firmware Update Open in Browser
# Type MAC 1 1 Port 90:7E:BA	Settings
	OK Cancel

图 2

6.1.4.4 SNMP

It is used to enable SNMP function, the configuration is the same as



serial device server.

🚯 VCOM	
Remote Device Management COM I	Mapping Options About Exit
Add Device Remove Device	Login Settings Assign IP Logout Import Settings Export Settings Firmware Update Open in Browser
# Type MAC 1 1 Port 90:7E:84	Settings COM Number 3,4,5,6
	Type: 1 Port MAC: 90:7E:BA:84:93:E2 Firmware Version: v.4.180423_1008
	Basic Network Serial SNMP Change Password
	Community public Constant SZ
	Contact SZUTEX
	OK Cancel

6.1.4.5 Change Password

It is used to change the password for the serial device server, the configuration is the same as serial device server.

COM	
Remote Device Management COM N	Apping Options About Exit
Add Device Remove Device	Login Settings Assign IP Logout Import Settings Export Settings Firmware Update Open in Browser
# Type MAC	Settings COM Number
1 1Port 90:7E:BA	Type: 1 Port MAC: 90:7E:BA:84:93:E2 Firmware Version: v.4.180423_1008
	Basic Network Serial SNMP Change Password
	Current Password
	Confirm Password
	OK Cancel

6.1.5 Assign IP

In "VCOM", select "remote devices Management", and click the "Assign



IP" button, it is shown as below. User can reset the IP address of serial device server (login operation is required before changing the IP).

🛞 VCOM	-		-				C Books	
Remote Dev	/ice Management	COM Mapping O	otions <u>A</u> bout <u>E</u> xit					
Add Devi	ce Remove [Device Login	Settings Assign IP	Logout	Import Settings	Export Settings	Firmware Update	Open in Browser
#	Туре	MAC	IP	Devic	e Description	Info	COM Number	
1	1 Port	90:7E:BA:84:93:E2	192.168.1.125	Serve	r	Logged in	3,4,5,6	
		Assig	n IP Address			×		
		Ne	ew IP Address 192.168.0.	125		(For IPv4 Only)		
				ок	Cancel			

6.1.6 Logout

In "VCOM", select "remote devices Management", and click "Logout" button, it is shown as below.

🚯 VCOM			TAX TO A DEC	Audited Auditori	a suffer of	A 5	
Remote Dev	ice Management	COM Mapping	Options About Exit				
Add Devic	e Remove I	Device Login	n Settings Assign IP Logo	ut Import Settings	Export Settings	Firmware Update	Open in Browser
#	Туре	MAC	IP	Device Description	Info	COM Number	
1	1 Port	90:7E:BA:84:93:E	E2 192.168.1.125	Server	Latched		
		I	Information	Σ	3		
			Devices are logged out.				
				ОК			

6.1.7 Import setting

In "VCOM", after login successfully, select "remote devices Management", click "Import Settings" button, it is shown as figure 1; click "Browse" to choose the saved or exported file(shown as figure 2), then click "ok" and wait(shown as figure 3).

đ	VCOM				X-2/-8	Autor Auto	the subscrap		9 X
F	<u>R</u> emote Dev	vice Management	COM Mapping	Or	otions <u>A</u> bout <u>E</u> xit				
	Add Devi	ce Remove I	Device Logi	n	Settings Assign IP Lo	gout Import Setting	s Export Settings	Firmware Update Open i	in Browser
	#	Туре	MAC		IP	Device Description	Info	COM Number	
	1	1 Port	90:7E:BA:84:93:	E2	192.168.1.125	Server	Logged in	3,4,5,6	
				Impo	ort Settings		X		
-				File	Name:				
				Browse OK Cancel					

图 1



COMM-0252 WEB User Manual

💮 VCOM	1.1.1		X-L/-B aller	Autor Autor	ta salterat						
Remote De	Remote Device Management COM Mapping Options About Exit										
Add Dev	Add Device Remove Device Login Settings Assign IP Logout Import Settings Export Settings Firmware Update Open in Browser										
#	Туре	MAC	IP	Device Description	Info	COM Number					
1	1 Port	90:7E:BA:84:93:E2	192.168.1.125	Server	Logged in	3,4,5,6					
		Im	port Settings		×						
		Fi	File Name: Z:\zxj\JJT-6001.ini Browse OK Cancel								

图 2

mote De	vice Manageme	nt <u>C</u> OM N	1apping <u>O</u> pti	ions <u>A</u> bo	ut <u>E</u> xit					
Add Dev	vice Remov	e Device	Login	Settings	Assign IP	Logout	Import Settings	Export Settings	Firmware Update	Open in Browse
^	Туре	MAC	Settings	•			- 100-100-1	×	COM Number	
	1 Port	90:7E:BA	Type: MAC: Basic	1 Port 90: 7E:BA:8 Network	34:93:E2	Firmware \	/ersion: v.4.180423_ ge Password	_1008	3,4,5,6 	
			Dev	ice Descripti	on Server					
			- Loca	al Date	2000/ 1/ 1	L				
			Loca Time	al Time e Server	0:21:37					
			V E	Enable Web	Console					
				Enable Remo Enable Reset	ite Console t button protec	t				
							ОК	Cancel		

图 3

6.1.8 Export setting

In "VCOM", after login successfully, select "remote devices Management", and click "Export Settings" button, it is shown as Figure 1; click "Browse" to choose the saved or exported file(shown as figure 2), then click "ok", and wait(shown as figure 3).

Č.	VCOM		· ·				
ſ	<u>R</u> emote Dev	vice Management	t <u>C</u> OM Mapping <u>O</u>	ptions <u>A</u> bout <u>E</u> xit			
	Add Devi	ce Remove	Device	Settings Assign IP Logo	ut Import Settings	s Export Settings	Firmware Update Open in Browser
	#	Туре	MAC	IP	Device Description	Info	COM Number
			90:7E:BA:84:93:E2	192.168.1.125	Server Logged in		3,4,5,6
			Expo	rt Settings			
			File	Name: Browse	ОК	Cancel	

图 1



¢	VCOM	vice Management	<u>C</u> OM Mapping	Options About Exit		-			
	Add Devi	ce Remove [Device Logir	n Settings Assign IP	Logout	Import Settings	Export Settings	Firmware Update	Open in Browser
	#	Туре	MAC	IP	D	evice Description	Info	COM Number	
	1	1 Port	90:7E:BA:84:93:E	2 192.168.1.125	s	erver	Logged in	3,4,5,6	
			(Export Settings			X		
				File Name: Z:\zxj\UT-6001.ini Browse]	ОК	Cancel		
						2			
00	🗎 VCOM			A X /	-	Audited Auditor	in address	4 5	
ſ	Remote Dev	vice Management	COM Mapping	Options About Exit					

Add Dev	ice Remove	Device	Settings Assign IP Logo	ut Import Settings	s Export Settings	Firmware Update Open in Browser
#	Туре	MAC	IP	Device Description	Info	COM Number
1	1 Port	90:7E:BA:84:93:E2	192. 168. 1. 125	Server	Logged in	3,4,5,6
		In	formation			
			Export Configuration OK			
				ОК		

6.1.9 Firmware update

In "VCOM", after the device login successfully, select "remote devices Management", and click "Firmware Update" button, then click "Browse" to choose the updated file, click "ok"; After waiting 240s, the firmware update is completed.

3

🛞 VCOM						
Remote De	vice Managemen	t <u>C</u> OM Mapping <u>C</u>	ptions <u>A</u> bout <u>E</u> xit			
Add Dev	vice Remove	Device	Settings Logout	Import Settings	Export Settings	Firmware Update Open in Browser
#	Туре	MAC	IP	Device Description	Info	COM Number
1	2 Port	90:7E:BA:8C:35:02	192.168.3.18	Server	Logged in	
		(×	
		Firmw	are Opdate			
		File Na	ame:			
			Browse	OK	Cancel	

6.1.10 Open in Browser

In "VCOM", select "remote devices Management", and click "Open in Browser", it is shown as below.

	用户登录	
admin		
•••••		
	登录	

6.2 COM Mapping

6.2.1 Create COM

1. In the software "VCOM", select COM Mapping—Add COM, "Add Device" interface is shown as below:

📵 VCOM								
Remote De	vice Management	COM M	apping Option	s <u>A</u> bout	Exit			
Add CC	CM Remove	сом 🛛	Modify COM	Enable COM	Disable COM	Import COM List Export COI	M List	
#	Туре	IP		Port	COM Port Conn	ection Status		
		-	Add Device				×	
		-	Select/Clear	r All				
			#	Туре	MAC	IP		
			1	1 Port	90:7E:BA:84:93:E2	192.168.1.125		
			Search	IPv6		OK Cano	:el	

2. Select the device, and click "ok" in the "Add Device" interface:



🚯 VCOM			1	_			
Remote Dev	vice Management	COM M	apping Option	s <u>A</u> bout	Exit		
Add CO	M Remove	COM	Modify COM	Enable COM	Disable COM	Import COM List Export COM Lis	t
# ^	Туре	IP		Port	COM Port Conn	ection Status	
			Add Device			X	<u></u>
			Select/Clea	r All			
			#	Туре	MAC	IP]
			1	1 Port	90:7E:BA:84:93:E2	192.168.1.125	
							-
							-
							-
			Search	IPv6		OK Cancel	

3. Then it is shown as below figure, the corresponding COM port is created successfully.

() VCON	И	_					
<u>R</u> emote D	evice Managemen	t <u>C</u> OM Mapping <u>O</u> ptions	<u>A</u> bout	<u>E</u> xit			
Add COM Remove COM Modify COM Enable COM Disable COM Isable COM Export COM List Export COM List							
#	Туре	IP	Port	COM Port	Connection Status		
1	1 Port	192.168.1.125	1	COM3	N/A		

6.2.2 Remove COM

In the software "VCOM", first select the COM port to be removed, then select the COM $\,$

Mapping interface and click "Remove COM" to delete the COM port, it is as shown in the figure below:

🚯 VCOM											
Remote Dev	Remote Device Management COM Mapping Options About Exit										
Add CO	Add COM Remove COM Modify COM Enable COM Disable COM Import COM List Export COM List										
#	Туре	IP	Port	COM Port	Connection Status						
1	1 Port	192.168.1.125	1	COM3	N/A						

6.2.3 Modify COM

In the software "VCOM", first select the COM port that needs to be deleted, then select the COM Mapping interface, click "Modify COM", the interface is as shown in figure 1 below, and then select "COM6" to change the corresponding "COM2" of Port1 to "COM6", it is as shown in figure 2:



📵 vcom	-	-								
<u>R</u> emote Dev	Aemote Device Management COM Mapping Options About Exit									
Add CO	M Remove	COM Modify COM	1 Import COM List Export COM List							
#	Туре	IP	Port (COM Port	Connection Status					
1	1 Port	192. 168. 1. 125	1 (COM3	N/A					
	COM Port Settings									
		сом	number of the firs	t selected port	COM3 (in use)					
				COM4 COM5						
					COM7 (in use) COM8 COM9 COM10					

图 1

(
	Remote Device Management COM Mapping Options About Exit									
	Add COM	Add COM Remove COM Modify COM Enable COM Disable COM Isable COM Export COM List Export COM List								
	#	Туре	IP	Port	COM Port	Connection Status				
	1	1 Port	192.168.1.125	1	COM4	N/A				
I										

图 2

6.2.4 Enable COM

In the software "VCOM", first select the COM port that needs to be disabled, then select the

COM Mapping interface, click "Enable COM" to disable the corresponding COM port, it is as shown below:

(🗎 VCOM	1	-	-					
ſ	Remote Device Management ODM Mapping Options About Exit								
	Add COM	M Remove							
	#	Туре	IP	Port	COM Port	Connection Status			
	1	1 Port	192.168.1.125	1	COM4	N/A			

6.2.5 Disable COM list

In the software "VCOM", first select the COM port that needs to be disabled, then select the COM Mapping interface and click "Disable COM" to disable the corresponding COM port, it is as shown in the figure below:

()	сом								
Remo	Remote Device Management COM Mapping Options About Exit								
A	Add COM Remove COM Modify COM Enable COM Disable COM Import COM List Export COM List								
#	<u> </u>	Туре	IP	Port	COM Port	Connection Status			
±		1 Port	192.168.1.125	4	COM4	N/A			

6.2.6 Import COM list

In the software "VCOM", select the "COM Mapping" interface, click "Import COM List", the interface is as shown in figure 1 below, and click "Browse" to select the path of COM port configuration information to be saved as shown in figure 2. Click "OK", then it is exported successfully as



shown in figure 3:

🕲 VCOM	X
Remote Device Management COM Mapping Options About Exit	
Add COM Remove COM Modify COM Enable COM Disable COM Import COM List Export COM List	
# Type IP Port COM Port Connection Status	
Import COM List	
File Name:	
Browse OK Cancel	
图 1	
	23
Remote Device Management COM Mapping Options About Exit	
Add COM Remove COM Modify COM Enable COM Disable COM Import COM List Export COM List	
# Type IP Port COMPort Connection Status	
1 1Port 192.168.1.125 1 COM4 N/A	
Import COM List	
File Name: 2:/zx)/UT-6001-1.ini	
Browse OK Cancel	
图 2	
Ф VCOM	X
Remote Device Management COM Mapping Options About Exit	
Add COM Remove COM Modify COM Enable COM Disable COM Import COM List Export COM List	
# Type IP Port COM Port Connection Status	
1 1 Port 192.168.0.22 1 COM3 N/A	
图 3	

6.2.7 Export COM list

In the software "VCOM", select the COM Mapping interface, click "Export COM List", the interface is as shown in figure 1 below, and click "Browse" to select the path of COM port configuration information to be saved as shown in figure 2. Click "OK", then it is exported successfully as shown in figure 3:

đ	усом								
E	<u>R</u> emote Dev	ice Management	COM Mapping	Options	About	<u>E</u> xit			
	Add COM	M Remove	COM Modify	COM E	nable COM	Disable CON	M Import COM List Expo	rt COM List	
	# ^	Туре	IP		Port	COM Port	Connection Status		
	1	1 Port	192.168.1.125		1	COM4	N/A		
ŀ				Export CO	M List			X]
				File Name:					
					Browse		ОК	Cancel	

图 1



🚯 VCOM									
Remote Dev	vice Management	t COM Mappin	g Options	About	<u>E</u> xit				
Add CO	M Remove	COM Modifi	y COM Ena	able COM	Disable COM	Import COM List Exp	ort COM List	J	
#	Туре	IP		Port	COM Port	Connection Status			
			Import COM	List			×		
			File Name: Z:	/zxj/UT-600	1-1.ini				
				Browse]	ОК	Cancel		

2

🕲 vcc	м						
Remote	e Device Manageme	ent <u>C</u> OM Mapping <u>O</u> ptions	<u>A</u> bout	Exit			
Add	COM Remo	ove COM Modify COM	Enable COM	Disable COI	M Import COM List Expo	ort COM List	
^							
#	Type	IP	Port	COM Port	Connection Status		
#	1 Port	IP 192.168.1.125	Port 1	COM Port COM4	Connection Status N/A		
# 1	Type 1 Port	IP 192.168.1.125	Port 1	COM Port COM4	Connection Status N/A		

6.3 Options

Select whether to open VCOM software directly or to minimize opening it in the taskbar; the software is opened in the taskbar as a minimization by default. It is shown as below:

	1					
Remote D	evice Management	COM Mapping Options	<u>A</u> bout	<u>E</u> xit		
Add C	OM Remove	COM Modify CC Sta	nt Minimize	d OM	Import COM List Export	t COM List
#	Туре	IP	Port	COM Port Co	nnection Status	
1	1 Port	192.168.1.125	1	COM4 N/	A	

6.4 Exit

Click "Exit" button to exit the software.