Model: UT-6311C-EU

(Product Name: 10/100M to 1-Port RS-232 Serial device Server)

User Manual



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1 .Serial Device Server Overview

1.1 Product Description

UT-6311C serial communication server, also called terminal server or serial server, is a converter between asynchronous serial port RS232and Ethernet. It is a standalone intelligent device with CPU and embedded OS and complete TCP/IP protocol stack. It completes transparent data transmission between RS232 and Ethernet in both directions, and allows RS232 serial devices to connect to the network immediately.

Product features: Support dynamic IP (DHCP) and static IP, support gateway and proxy server, can transfer data through Internet. Provide two-way transparent data transmission, realize serial port to TCP/IP function, users do not need to make any modification to the original system. Internal integration of ARP, IP, TCP, HTTP, ICMP, SOCKET, UDP, MODBUS and other protocols. And the device supports secondary development, providing interfaces for custom protocol access. All procedures, there is a setup wizard, as long as you can use the computer can be used.



UT-6311C-EU Serial Device Server

1.2 Main Features

1.2.1 Hardware Feature

- Support virtual COM driver software for Windows
- With serial port, it can be connected to various serial devices such as terminal, Modem, barcode machine, cash register,
 - ISDN, terminal adapter, serial printer and PC to realize remote control function.
- With Reset key to force reset when the machine is dead.
- With 10/100M adaptive Ethernet port.
- Each serial port provides 5 signals, including RXD, TXD, RTS, CTS, GND.
- > 32-bit embedded 120MHz CPU with powerful overall performance.
- Independent indicator lights for network port and power supply, convenient to indicate working status

1.2.2 Software Feature

- Support ARP, IP, ICMP, UDP, TCP, HTTP, DHCP, MODBUS
- Support Windows extended serial mode

A complete set of extended serial port (com) drivers for Windows-based platforms and a simple and easy-to-use Windows-based hypervisor that can drive up to 1024 serial ports under Windows. In this mode, each serial port of the serial port server can be mapped to the local COM port of the Windows host. This means that using these serial ports is just like using the local COM ports on the host computer, and it also means that all existing software or communication modules applied to the existing serial devices can be used directly without modification.

- Terminal server parameters configuration
 Web connection to the terminal server for configuration makes it extremely easy to put the serial server to work.
- Support software upgrade
 Supports software upgrades, protecting the user's investment.
- Support for status monitoring On the device, not only indicators are provided to analyze the working status of the server, but also statistics on the input/output data of the network port and each port, which can be analyzed by the system administrator.

1.2.3 Security Feature

UT-6311C serial device server adopts the following kinds of security mechanisms to ensure that users can use this product safely enough.

- > The server management password can be set to prevent unauthorized persons from making arbitrary changes to the serial server to ensure the security of the serial server configuration.
- The host name to which the port is to be logged in can be qualified, and users of hosts that have not been backed up through the qualified port will not be able to access the server to ensure secure access to the server.
- The possibility to restrict the hosts or network segments allowed to access the server, unauthorized users who are not backed up in the host list and the network segment list will not be able to access the server through the network.
- Serial server Factory IP address 192.168.1.125 Subnet code 255.255.255.0

1.3 Product Application Mode

1.Virtual serial port mode





2. P2P Mode



4. Multi-host mode (up to six hosts)

2. serial device server installation instructions

2.1 Software installation instructions

- 2.1.1 IP address finder and change software
 - Attachment for detail
- 2.1.2 Virtual serial software

Attachment for detail

2.2 LED indicator description

Definition Name	Light color	Function	Status
PWR	Red	Power indicator	Always bright
DUN	Crean	Custom encustion indicator	0.5S light, 0.5S off
RON	Green	System operation indicator	alternating flash
DATA	Crean	Serial data sending and	Blinking with data,
	Green	receiving indicator	off without data



2.3 pin definition description

1. Ethernet RJ45 Interface Definition:

The 100Base-T pinout is defined in the following table.



Pin No.	MDI signal	MDI-X signal
1	BI_DA+/TX+	BI_DB+/RX+
2	BI_DA-/TX-	BI_DB-/RX-
3	BI_DB+/RX+	BI_DA+/TX+
4	-	-
5	-	-
6	BI_DB-/RX-	BI_DA-/TX-
7	-	-
8	_	-

Note: "TX±" is sending data±, "RX±" is receiving data±, "-" is not used

2. Power interface terminal definition:



5.08 Terminal block	Description		
1	Negative power supply V-		
2	Positive power supply V+		

3. RS-232 pin definition:



DB9 male	RS-232
1	N/C
2	RXD
3	TXD
4	N/C
5	GND
6	N/C
7	RTS
8	CTS

3 Serial Device Server Technical Parameter

3.1 Product Technical Parameter

CPU		32bit 120MHZ				
RAM		256K				
Ethernet interface		10/100M (embedded 1.5KV electromagnetic isolation) adaptive MDI/MDI-X Etherne interface, RJ45 interface method				
	Serial	RS-232				
	Serial port form	DB9 Male(Pin)				
	Baud rate	300-921600bps				
Carial	Check bit	Nove, Odd, Even				
Serial	Data bit	5, 6, 7, 8				
	Stop bit	1, 1.5, 2				
	Flow control	RTS/CTS, XON/XOFF				
	Serial Signal	RS232: RxD/TxD/GND/RTS/CTS				
Inc	licator light	Power indicator light PWR, Running indicator light RUN				
		DC-005 DC socket or 2Pin 5.08 terminal for power supply, with built-in protection agains				
Pow	er connector	reverse connection, to avoid damage to the equipment by wrong positive and negative				
		connection				
Pc	ower range	DC 5V±5%				
Func	ction buttons	1 factory reset button RESET				
Max. op	perating current	≤ 80mA@5V				
H	Housing	Metal housing, protection class IP30				
Instal	lation method	Wall-mounted				
		Storage temperature: -40~85°C				
Operati	ng environment	Operating temperature: -40~85°C				
		Relative humidity: 5 ~95% (Non-condensing)				
	Altitude	0~4000m				
Dime	nsions L×W×H	100mm×80.8mm×30mm(Without mounting parts)				
Weight		270g				

3.2 Product configuration (based on a set of equipment)

Configuration	Serial Device	Power	Sorial tuno	Number of	Interface	Warranty
Model	Server Host	adapter	Serial type	Interface	Туре	Card
UT-6311C-EU	1	1 DC5V/1A	RS-232	1	DB9 male	1

4.serial device server Web operation instruction

4.1 System Login

Account User name input domain, default user name: admin	
Password	Password input domain, default password: admin
Login	Click to log in to the system



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Chinese/English

Select the interface display language as Chinese or English

Serial Device Server	x +								9
(i) 172.16.102.187		🦁 器 C Q. 百度 <ctrl+k></ctrl+k>	☆ (•	Â	•	•) -	13	-
V⊕TEK	深圳市宁泰科技有限公司 UTEK TECHNOLOGY (SHENZHEN) CO., LTD.						E	nglish •	
		2 admin							
		â ·····							
		Login							

4.2 System Setting

Model	Model: UT-6311C
IPaddress	System IP address
subnet mask	System IP Mask
Gateway	System gateway address
DNS server 1	Main DNS Address
DNS server 2	Sub-DNS address
DHCP	Whether to enable DHCP service, Disabled /Enabled
Setting	Click on Submit Setting
Cancel	Click to cancel the setting

Server Settings	Server Settin	gs
Serial Port Settings	Server Paramete	rs
Operation Mode Settings	Server Name:	UT-6311C
System Status	IP Address:	172.16.102.187
System Management	Subnet Mask:	255.255.255.0
Security Settings	Gateway:	172.16.102.254
Save Settings	DNS Server1:	0.0.0.0
	DNS Server2:	0.0.0.0
	DHCP:	Enabled
	Cancel	Setting

4.3 Serial port parameter setting

Serial Selection Serial Selection: serial 1or serial 2



Interface Type	Serial working interface type: RS232, RS485/422
Baud rate	Serial baud rate (the value should be the same as the baud rate of the device connected
	to the serial port)
Data bit	Data bit (default is 8, specific should be consistent with the device connected to the serial
	port)
Stop bit	Stop bit (default is 1, specific should be consistent with the device connected to the serial
	port)
Parity bit	Parity bit (including None, Even, Odd default to None, the specific should be consistent
	with the device connected to the serial port)
Flow Control	Flow control, optional Auto, CTS/RTS two kinds of ways
Interval time	Interval time, can be set from 0-5000ms, default is 0
Frame length	Frame length setting, can set 0-1024Byte, default is 0
Setting	Click on Submit Setting
Cancel	Click to cancel the setting

Server Settings	Serial Port Se	ttings	
Serial Port Settings	Serial Port		
Operation Mode Settings	Serial Port:	0 1	
System Status	Serial Port Paran	neters	
System Management	Interface		
Security Settings	intenace.	N3232	
User Settings	Baud Rate:	115200	
Save Settings	Data Bits:	8	•
Sare Settings	Stop Bits:	1	•
	Parity:	None	•
	Flow Control:	None	
	Interval Time:	0	(0-5000ms)
	Frame Length:	0	(0-1024Byte)
	Cancel	Setting	

4.4 Serial port work mode settingSerial port work mode setting

4.4.1 Datasocket--TCP Server Mode

Connection Mode	Datasocket
Connection Type	TCP Server Mode: The device creates TCP server-side services for client connections
No. of connection	Set the number of connectable clients
Local Port	Local port for the device to create TCP Server service bindings
Warranty time	TCP keep alive time, no data communication in this time interval will automatically
	disconnect TCP connection
Setting	Click on Submit Setting
Cancel	Click to cancel the setting



Server Settings	Operation Mo	de Settings		
Serial Port Settings	Serial Port			
Operation Mode Settings	Serial Port:	@ 1		
System Status	Operation mode	Parameters		
System Management	Connect Mode:	DataSocket	×	
Security Settings	Connect Type:	TCP Server Mode	T	
User Settings	Connect Num:	6	(1-6)	
Save Settings	Local Port:	10000	(0-65534)	
	Keep Alive:	0	(5)	
	Cancel	Setting		
		J		

4.4.2 Datasocket--TCP Client Mode

Connection Mode	Datasocket
Connection Type	TCP Clinet Mode: The device creates a TCP client service to connect to the remote server
No. of connection	Number of connectable servers
Remote IP	Server IP address
Remote Port	Server port number
Setting	Click on Submit Setting
Cancel	Click to cancel the setting

Server Settings	Operation M	ode Settings		
Serial Port Settings	Serial Port			
Operation Mode Settings	Serial Port:	• 1		
System Status	Operation mode	Parameters		
System Management	Connect Mode:	DataSocket		
Security Settings	Connect Type:	TCP Client Mode	•	
User Settings	Connect Num:	6	(1-6)	
Save Settings		Remote IP	Remote Port	Local Port (If 0, the system automatically allocates)
	Remote IP1:	0.0.0.0	10000	4) 10000 (*) (0-65534)
	Remote IP2:	0.0.0.0	10001 🛓 (0-6553	4) 10001 (0-65534)
	Remote IP3:	0.0.0.0	10002	4) 10002 (0-65534)
	Remote IP4:	0.0.0.0	10003 💌 (0-6553	4) 10003 (0-65534)
	Remote IP5:	0.0.0.0	10004 🛓 (0-6553	4) 10004 (0-65534)
	Remote IP6:	0.0.0.0	10005	4) 10005 (0-65534)
	Cancel	Setting		



Connection Mode	Datasocket
Connection Type	UDP Clinet Mode: The device creates a UDP service to communicate with the remote
	UDP
No. of connection	Number of connections to the server
Remote IP	Remote UDP IP address
Remote Port	Remote UDP port number
Setting	Click on Submit Setting
Cancel	Click to cancel the setting

4.4.3 Datasocket--UDP Client Mode

erver Settings	Operation M	ode Settings				
erial Port Settings	Serial Port					
Operation Mode Settings	Serial Port:	@ 1				
ystem Status	Operation mode	Parameters				
stem Management	Connect Mode:	DataSocket	·			
ecurity Settings	Connect Type:	UDP Client Mode	•			
er Settings	Connect Num:	6	(1-6)			
ave Settings		Remote IP	Remote Po	rt	Local Port (If 0	, the system automatically allocates)
	Remote IP1:	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	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)

4.4.4 VCOM virtual serial mode

TCP/IP virtual serial port mode works in the windows system environment, through the driver to map the port on the serial server into a virtual COM port of the local host, so that the original COM port-based operation of the upper software without any modification as if the application of the local real COM port, the driver can support up to extend to COM1024, making the monitoring of serial devices More flexible and convenient, multiple connection resources can also do connection backup.

Connection Mode	VCOM
Warranty time	TCP warranty time
Data Port	Data communication port
Command Port	Command port for maintaining virtual serial port connections after mapping
Setting	Click on Submit Setting
Cancel	Click to cancel the setting



rial Port				
rial Port: (• 1			
peration mode Para	ameters			
nnect Mode:	VCOM	•		
ep Alive:	0	(5)		
ta Port	966			
	ial Port: eration mode Para nnect Mode: ap Alive: ta Port:	Ial Port I terration mode Parameters Innect Mode: VCOM Sep Alive: 0 Ia Port 966 Is Port 966 Is Port 966	al Port I I I I I I I I I I I I I I I I I I I	eration mode Parameters nnect Mode: VCOM VCOM

4.4.5 MCP Virtual Serial Mode

Similar to VCOM, this mode works in the windows system environment, through the driver to map the port on the serial server into a virtual COM port of the local host, so that the original COM port-based operation of the upper end of the software without any modification as if the application of the local really COM port, and the difference with VCOM mode is the use of different Windows driver software, to be compatible with The difference between VCOM mode and VCOM mode is the different driver software used under Windows, in order to be compatible with many port mapping software.

Connection Mode	MCP
Warranty time	TCP warranty time
Data Port	Data communication port
Command Port	Command port for maintaining virtual serial port connections after mapping
Setting	Click on Submit Setting
Cancel	Click to cancel the setting

Server Settings	Operation Mo	ode Settings	
Serial Port Settings	Serial Port		
Operation Mode Settings	Serial Port:	9 1	
System Status	Operation mode	Parameters	
System Management	Connect Mode:	МСР	•
Security Settings	Keep Alive:	0	(5)
User Settings	Data Port.	950	
Save Settings	Command Port	966	
	Cancel	Setting	

4.4.6 Modbus--TCP Server Mode

The device supports standard Modbus-TCP and Modbus-RTU frame protocol.

Connection Mode	Modbus
Connection Type	TCP Server Mode
No. of connections	Number of connected clients
Local Port	Local port for the device to create TCP Server service bindings



Warranty time	TCP warranty time
Setting	Click on Submit Setting
Cancel	Click to cancel the setting

Server Settings	Operation Mo	de Settings	
Serial Port Settings	Serial Port		
Operation Mode Settings	Serial Port:	• 1	
System Status	Operation mode I	Parameters	
System Management	Connect Mode:	Modbus	•
Security Settings	Connect Type:	TCP Server Mode	•
User Settings	Connect Num:	6	(1-6)
Save Settings	Local Port:	10000	(0-65534)
	Keep Alive:	0	(S)
	Cancel	Setting	

4.4.7 Modbus--TCP Client Mode

Connection Mode	Modbus
Connection Type	TCP Clinet Mode: The device creates a TCP client service to connect to the remote server
No. of connection	Number of connectable servers
Remote IP	Server IP address
Remote Port	Server port number
Setting	Click on Submit Setting
Cancel	Click to cancel the setting

Server Settings	Operation M	ode Settings					
Serial Port Settings	Serial Port						
Operation Mode Settings	Serial Port	• 1					
System Status	Operation mode	Parameters					
System Management	Connect Mode:	Modbus	•				
Security Settings	Connect Type:	TCP Client Mode	-				
User Settings	Connect Num:	6	(1-6)				
Save Settings		Remote IP	Re	mote Por	t	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		10002	(0-65534)	10002	(0-65534)
	Remote IP4:	0.0.0.0		10003	(0-65534)	10003	(0-65534)
	Remote IP5:	0.0.0		10004	(0-65534)	10004	(0-65534)
	Remote IP6:	0.0.0.0		10005	(0-65534)	10005	(0-65534)
	Cancel	Setting					



4.5 System Status Inquiry

4.5.1 TCP Status

Display the current system TCP connection status

Server Settings	System Status							
Serial Port Settings	Device Status Display							
Operation Mode Settings	Status: TCP Status							
System Status	Turne	Local IP	Remote IP	Local Port	Remote Port	Cod out	Revent	Status
System Management	type	LOCALIF	Kentote IP	No	Data	SILUTAL	KU IXI	Status
User Settings								
Save Settings								

4.5.2 UDP Status

Display the current system UDP connection status

Server Settings	System Status			
Serial Port Settings	Device Status Display			
Operation Mode Settings	Status: UDP Status			
System Status	Local IP	Remote IP	Local Port	Remote Port
System Management		No D.	ata	
User Settings				
Save Settings				

4.5.3 Serial Port status

Display the current system serial port configuration status and data sending and receiving statistics

Server Settings	System Status						
Serial Port Settings	Device Status Display						
Operation Mode Settings	Status: Serial Port Status						
System Status	Ser	Total RX	Total Tx	RTS	стя	DTR	DSR
System Management	1	0	0	OFF	OFF	OFF	OFF
Security Settings							
User Settings							
Save Settings							

4.6 System Management

Firmware Ve	rsion	Display the current device firmware version number
Hardware Ve	ersion	Display the hardware version number of the current device
Restore	factory	Click the button to restore factory setting



setting	
Firmware Upgrade	Click to select the upgrade file to upgrade the current device firmware version

Server Settings	System management
Serial Port Settings	System Information
Operation Mode Settings	Firmware Version: SF-v111
System Status	Hardware Version: HD-038-20010990
System Management	Land Extensi Default
Security Settings	Load Factory Default
User Settings	Load Factory Default settings: Load Factory Default
Save Settings	Upgrade Firmware
	Select The Firmware And Upgrade: Select File Upgrade

4.7 Security Setting

IP address filtering settings, IP segments in the filter range will not be able to access the server through WEB.

rial Port Settings	IP Filter Settings						
peration Mode Settings		Start IP Address	End IP Address	Status			
ystem Status	Rule 1:	0.0.0.0	0.0.0.0	Disabled	•		
ystem Management	Rule 2:	0.0.0.0	0.0.0.0	Disabled	•		
curity Settings	Rule 3:	0.0.0.0	0.0.0.0	Disabled	•		
ser Settings	Rule 4:	0.0.0.0	0.0.0.0	Disabled	•		

4.8 User Setting

Logout	Clicking on Logout will exit the WEB login
Modify password	Modify the login password: enter the old password, the new password, and confirm by
	entering the new password again
Setting	Click on Submit Setting
Cancel	Click to cancel the setting

Server Settings	User Settings
Serial Port Settings	Logout
Operation Mode Settings	Log out of current login:
System Status	
System Management	Change Password
Security Settings	Original Password:
User Settings	New Password:
Save Settings	Confirm Password:
	Cancel Setting



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4.9 Save Settings and Take Effect

Click the Reboot button system to make the configuration take effect.

Server Settings	Save Setting
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 Server Troubleshooting Instruction

5.1 Virtual serial software can not search the IP address of the serial server

- First of all, check the physical connection is or normal, network cable (distinguish between cross-line and direct line) and power supply is connected, observe the power indicator, LAN light, ACT (connected to the 10M network, this light does not light, 100M light)
- The host network card is or available, can not communicate with other local hosts
- Close all the tools and software that can block broadcast packets (do not open the firewall that comes with the system)
- In the browser to enter the configuration, set the IP when the sudden abnormal disconnection, such as: power failure, after the device can not be searched, by long press the device "reset" button 5s to restore the factory settings, the factory IP address is static: 192.168.1.125

5.2 Cannot open serial port

- Make sure the network is working properly and can ping through the server
- Check whether the virtual serial port is established successfully
- Check the working status to see if the port is occupied
- Delete the corresponding COM port in the registry and remap it.

5.3 Cannot transmit or receive data

- Ensure that the serial port can be opened normally
- Observe whether the IP and port number under [connected to 0 from 1] of [serial to Ethernet tool] prompt "connected", if it does not grow, check the connection between the serial port and the upper network.
- Observe whether the value of "Transmit" and "Received" under [connected to 0 from 1] of [serial to Ethernet tool] has grown, if not, check the connection between the serial port and the upper network, if the value of "Transmit" has grown, check the connection between the serial port and the upper network. If "transmit" has grown, "received" has not grown to detect the connection between the serial port
- Check whether the created Ethernet service matches with the corresponding serial port

5.4 Forget the password you set before

• By pressing and holding the device "reset" button for 5 seconds and then release, the device restores the factory settings, at this time, the factory initial account password admin: admin to log into the system.

5.5 Transmiting and receiving data is garbled

- Check whether the wiring is correct, 485 devices should pay attention to the parallel problem.
- Check whether the line distance exceeds the standard distance and the quality of the line (also by lengthening the line transceiver or optical partition)
- Check whether the set serial port parameters (baud rate, data bits, stop bits, parity bits, etc.) match the bottom device
- Detached from the client's top software, with the network or serial debugging assistant can receive normal data, if you can receive normal data, the problem may be related to the packaging mechanism, you can set the length of the packaging and packaging waiting time in the "serial port settings".

5.6 Cannot be connected when acting as a TCP server

- Confirm whether the current network environment is normal
- Confirm that the IP address and port number of the client connection are correct
- Confirm that there is no other PC connected to the corresponding port of the serial communication server

If the above methods can not solve your problem, please contact the manufacturer

6 VCOM software operating instruction

6.1 Device Remote Management

6.1.1 Equipment Inquiry

After connecting the device, start the attached software "VCOM" (Figure 1 below), select Remote Device Management - "Add Device" to bring up the search interface to find all the UT-6312 series IP addresses in your network; as shown in Figure 2, select the "Search" button to find all the UT-6312 series IP addresses and basic information in your network; as shown in Figure 3, click the "OK" button in Figure 3 to display the search information in the VCOM interface. "button to find all the UT-6312 series IP addresses and basic information of the network you are in; as shown in Figure 3, click the "OK" button in Figure 3 to display the search device information in the VCOM interface, as shown in Figure 4.

🗒 VCOM			17 H			-	tr.		
Remote Device Mar	agement CC	OM Mapping	Options	About	Exit	Language			
Add Device S	earch IP	nove Device]	Login	Setting	s Assig	an IP 🛛 Logou	Import Se	ettings Export Se	ettings] [Firmware Update] Open in B
# Type	MAC	(IP			Devi	e Description	Info.	COM Number

Figure 1



🛞 усом	1												23
Remote De	evice Management	COM Mappi	ing Op	otions	About	Exit	Langua	ge					
Add Devi	ce Search IP	Remove Dev	/ice	Login	Setting	s Assign	n IP Lo	ogout	Import Setti	ings Exp	ort Settings	Firmware Update Open in Browser	
#	Туре	MAC		IP			[Device D	escription	Info.		COM Number	
			Add Dev	vice							×		
			🔽 Select	/ Clear /	All								
			#	Т	ype	MAC			IP				
			1	1	ports	90:7E	:BA:26:78	8:25	192, 168, 1, 125	5			
			-										
17		3											
2.													
			Sear	ch [IPv6				ОК		Cancel		

Figure 2



Figure 3



Figure 4

6.1.2 Delete serial device information

In the software "VCOM", first select the device information, then select the remote device management interface, click "Delete Device" to delete the device information, as shown in Figure 5 below

Remote Devi	ce Management	COM Mapping	Options	About	Exit	Language					
Add Device	Search IP	Remove Device	Login	Settings	Assign I	P Logout	Import Set	tings	Export Settings	Firmware Update	Open in Browser
#	Туре	MAC	IP			Device D	escription	Info	o.	COM Number	
1	1 ports	90: 7E:BA: 26: 78: 25	192.1	58. 1. 125		Server		Lat	ched		

6.1.3 Jump to web login

In the software "VCOM", select the remote device management interface, click "Open in browser", and then you can enter the web login interface through IE browser. As shown in Figure 6

び他TEK 深圳市字泰科技有限公司 UTEK TECHNOLOGY (SHENZHEN: CO., LTD		En glist 💌
	L user	
	password	
	Login	

Figure 6



6.2 Communication port mapping

6.2.1 Create virtual serial port

 In the software "VCOM", select Communication Port Mapping - Add Communication Port to bring up the "Add Device" window, Figure 7 below



Figure 7

The "Add Device" window appears, select the device and click "OK" as shown in Figure 8 below

wcol mote [M Device Managemen	t COM Mapp	oing Options	About	Exit Langu	iage		
Add	COM Input	COM Rem	ove COM	Modify COM	Enable COM	Disable COM	ort COM List Export COM List	
ŧ ^	Туре	IP		Port	COM Port	Connection Status		
	.)	1		1+ 				
		1	Add Device			7		
			Select / Cle	ar All				
			#	Туре	MAC	IP		
			1	1 ports	90:7E:BA:26:	78:25 192.168.1.125		
			Search	J IPv6		OK	Cancel	

Figure 8

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• After that, the following interface will pop up, that is, the corresponding virtual serial port is created, as shown in Figure 9

emote D	Device Managem	ent COM Mapping Optio	ons About	Exit Lan	guage			
Add (ut COM Remove COM	Modify COM	Enable CC	M Disable COM	Import COM List	Export COM List	
# ^	Туре	IP	Port	COM Port	Connection Status			
1	1 ports	192, 168, 1, 125	1	COM2	N/A			
				-0				

6.2.2 Delete the virtual serial port

• In the software "VCOM", first select the virtual serial port to be deleted, and then select the communication port mapping interface, click "Delete Communication Port" to delete the virtual serial port, as shown in Figure 10 below

🗒 vcom									
Remote Devic	e Management	COM Mapping	Options	About	Exit Langu	age			
Add COM	Input C	OM Remove	сом м	odify COM	Enable COM	Disable COM	Import COM Lis	Export COM List	
#	Гуре	IP		Port	COM Port	Connection Status			
1	1 ports	192.168.1.125		1	COM2	N/A			
		2	10						
					Figur	e 10			

6.2.3 Modify virtual serial port

In the software "VCOM", first select the virtual serial port you need to modify, then select the communication port mapping interface, click "modify communication port number" pop-up interface as shown in Figure 11 below, and then select "COM2 "You can modify Port1 corresponding to "COM2" to "COM4", as shown in Figure 12

Add C	COM	ut COM Remove COM	Modify COM	Enable CC	DM Disable COM Import	COM List Export COM List	
~	Туре	IP	Port	COM Port	Connection Status		
	1 ports	192, 168, 1, 125	1	COM2	N/A		
		6					
			COM Port Sett	ings		×	
			COM number (of the first select	ted port COM2 (in use)		
					COM2 (in use)		
					COM3		
					COME		



	Л								
Remote De	evice Manage	ement CO	M Mapping Opti	ons About	Exit Lang	uage			
Add C	I MO	nput COM	Remove COM	Modify COM	Enable CON	1 Disable COM	Import COM List	Export COM List	
# ^	Туре	IP		Port	COM Port	Connection Status			
1	1 ports	192.1	58, 1, 125	1	COM3	N/A			

Figure	12
inguic	

6.2.4 Enable virtual serial port

In the software "VCOM", first select the virtual serial port to be disabled, and then select the communication port mapping interface, click "Enable Communication Port" to enable the corresponding virtual serial port, as shown in Figure 13 below

emote De	vice Mana	agement	COM Mapping	Options	About	Exit	Languag	2				
Add CC	om	Input COM	Remove C	ом м	odify COM	Enab	ole COM	Disable COM	Import	COM List	Export COM List	
# ^	Туре	IP			Port	COM Po	rt C	onnection Status				
1	1 ports	19	2, 168, 1, 125		1	COMB	N	A				

6.2.5 Disable virtual serial port

In the software "VCOM", first select the virtual serial port to be disabled, and then select the communication port mapping interface, click "Disable communication port" to disable the corresponding virtual serial port, as shown in Figure 14 below

强 усом												
Remote De	vice Mana	agement	COM Mapping	Options	About	Exit	Language					
Add CC	OM	Input COM	Remove C	OM M	odify COM	Ena	ble COM	Disable COM	Import	COM List	Export COM List	
# ^	Туре	IP	8		Port	COM P	ort Co	nnection Status				
4	1 ports	+ 19	2.168.1.125		4	COM3	N /	4				
	8	1			8							

Figure 14

6.2.6 Importing virtual serial port list

In the software "VCOM", select the communication port mapping interface, click "Import communication port list" to bring up the interface as shown in Figure 15 below, click "Browse", select the saved virtual serial port configuration information as shown in Figure 16, click "OK" to import successfully. Click "Browse", select the saved virtual serial port configuration as shown in Figure 16, and click "OK" to import successfully.



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N					
evice Manageme	ent COM Mapping Options	About Nodify COM	Exit Lan	guage M Disable COM Import COM List Export COM List	
Туре	IP 3	Port	COM Port	Connection Status	
1 ports	192.168.1.125	1	COMS	N/A	
	Import CO	M List			
	File Name:				
		Browse		OK Cancel	
	/ evice Manageme OM Inpu Type I ports	A evice Management COM Mapping Options COM Input COM Remove COM M Type IP 1 ports 192, 168, 1, 125	A evice Management COM Mapping Options About COM Input COM Remove COM Modify COM Type IP Port 1 ports 192.168.1.125 1 1 ports 192.168.1.125 1	A evice Management COM Mapping Options About Exit Lang Input COM Remove COM Modify COM Enable CO Type IP Port COM Port 1 ports 192.168.1.125 1 COM3 COM	A evice Management COM Mapping Options About Exit Language IOM Input COM Remove COM Modify COM Enable COM Disable COM Import COM List Export COM List Type IP Port COM Port Connection Status 1 ports 192.168.1.125 1 COM 3 N/A I and intervention Intervention Intervention Intervention I and intervention Intervention Intervention Intervention I ports 192.168.1.125 1 COM 3 N/A I and intervention Intervention Intervention Intervention I and intervention Interventinterventintervention Interventinterven







6.2.7 Exporting virtual serial port list

In the software "VCOM", select the communication port mapping interface, click "Export communication port list" to bring up the interface as shown in Figure 17 below, click "Browse" and select the path of the virtual serial port configuration information to be saved as shown in Figure 18, click "OK" to export successfully as shown in Figure 19. After clicking "Browse", select the path of the virtual serial port configuration to be saved as shown in Figure 18, and click "OK" to export successfully as shown in Figure 19.



	1											
Remote De	evice Manageme	ent CO	M Mapping Opti	ions About	Exit Lang	uage						
Add Co	OM Inpu	ut COM	Remove COM	Modify COM	Enable CON	1 Disable COM Import	COM List Export COM List					
# ^	Туре	IP		Port	COM Port	Connection Status						
1	1 ports	192.16	i8. 1. 1 2 5	1	COM3	N/A						
				0-								
			Export	COM List								
			File Nan	ne:								
				Browse								
						1						

Figure 17

Figure 18

Remote [VI Device Managem	ent COM Mapping Options	a About	Exit Lang	uage		
Add		ut COM Remove COM	Modify COM	Enable CO	M Disable COM Import	COM List Export COM List	
# ^	Туре	IP	Port	COM Port	Connection Status		
1	1 ports	192.168.1.125	1	COM3	N/A		
		Info	rmation				
			Export	COM port set	ings ok.		
					ОК		

Figure 19

6.3 Options



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Select whether to open the VCOM software directly or minimize it on the taskbar when opening it; by default, the software is minimized on the taskbar, as shown in Figure 20 below

🗿 vcom											
Remote Dev	vice Management	COM Mapping	Options	About	Exit	Language	:				
Add CO	M Input C	OM Remove C	√ Sta	rt Minim	ized	ОМ	Disable COM	Import	COM List	Export COM List	
# ^	Туре	IP		Port	COM P	ort Co	nnection Status	8			
1	1 ports	192.168.1.125		1	COMS	N	A				
10.				8							

Figure 20

6.4 About

Click the "About" button to view the software version information as shown in Figure 21 below

	1						
Remote De	evice Managemer	t COM Mapping C	Options About	Exit Langu	age		
Add C	OM Input	COM Remove COM	1 Modify COM	Enable COM	Disable COM	t COM List Export COM List	
# ^	Туре	IP	Port	COM Port	Connection Status		
1	1 ports	192.168.1.125	1	COM3	N/A		
			About VCC	M	X		
				Serial device :	erver series	× •	
				Ver:3.9.1			



6.5 End

Click the "Exit" button to exit the software

6.6 Switch between Chinese and English

Click to select the Chinese and English interface, as shown in Figure 22

	1												
Remote D	evice Manageme	nt C	OM Mapping	Option	ns About	Exit	Lar	nguage					
Add C	OM Inpu	t COM	Remove (Modify COM	Enal	~	Eng	ish	Impo	rt COM List	Export COM List	
(not c		CONT			rioury corr			简体	中文(Z)	Impo	e contese		
#	Туре	IP			Port COM		M Port Connection 5		nection status				
1	1 ports	192.	168.1.125		1	COM3		N/A					

Figure 22