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# **4G Wireless Routing DTU User Manual**

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V1.02



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## Update records

<b>Version</b>	<b>Date</b>	<b>Author</b>	<b>Description</b>
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## Chapter 1. Overview

The 920\_DTU is a DTU device based on the Qualcomm MDM9x07 platform. Support 4G full Netcom (depending on the configuration, some versions may not support CDMA or some frequency bands), support Wi-Fi AP function, support Ethernet interface, support RS232 and RS485 interface.

The device provides a 10M/100M/1000M adaptive Ethernet interface. The IP address is automatically assigned by default. After the network cable is plugged in, the PC can use this device to bring 4G network functions.

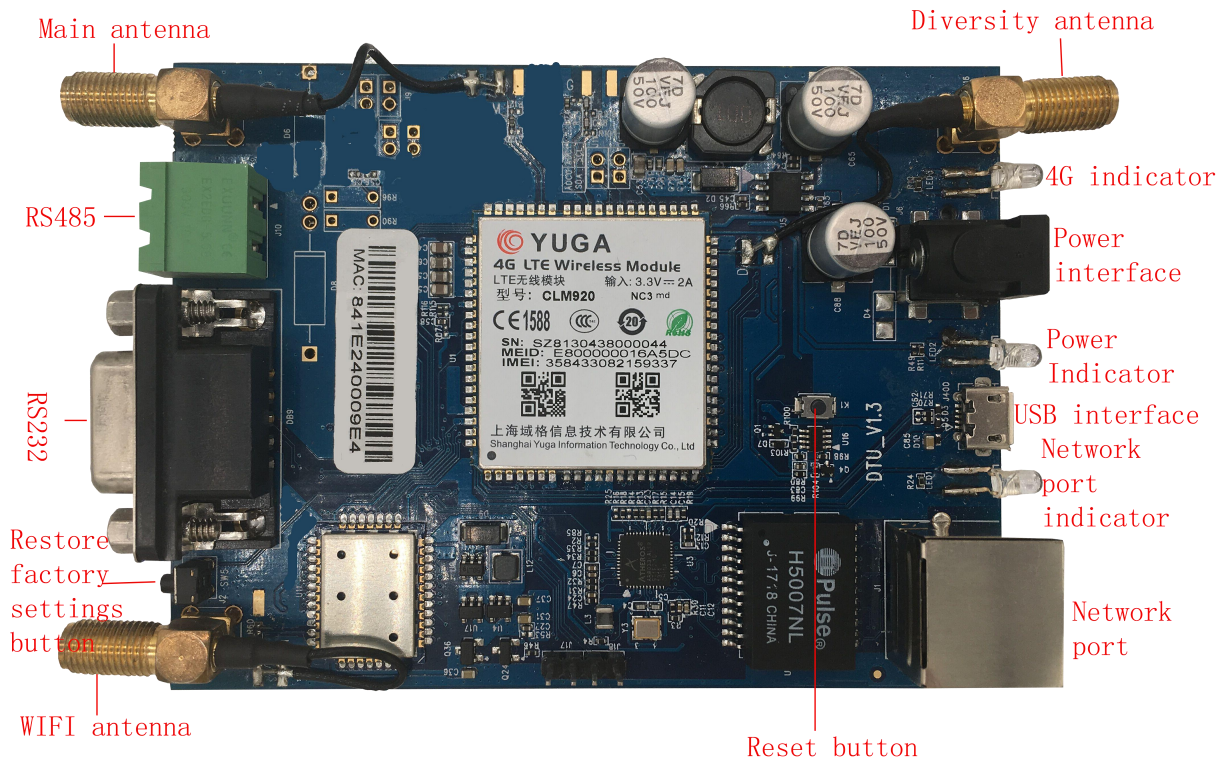
The device provides Wi-Fi AP functionality and supports 802.11b/g/n. The default name of Wi-Fi SSID is DTU\_AP\_xxxx, and the default password is 12345678.

The device provides RS232 serial port and RS485 serial port, which can be used for DTU transparent transmission data. After RS232 transparent transmission is configured in WEBUI, the data received by the RS232 serial port can be transmitted to the server.

The default address of the device is 192.168.100.1. You can log in to the <http://192.168.100.1> WEBUI management page to set various settings. The login account is admin:admin.

The following is the appearance of the device and the motherboard:





### Note:

- ✧ The DC power supply voltage range is 5V to 36V. It is recommended to use the power adapter.
- ✧ The 4G indicator is green, and the 4G will always be on when connected to the network.
- ✧ The power indicator is red and is constant after the power is connected.
- ✧ The Ethernet indicator is green. It is always on after the RJ45 interface is connected to the network cable, and blinks during communication.
- ✧ The RS232 jumper cap must be connected, and the AT serial jumper cap cannot be connected.
- ✧ The Restore Factory button is used to delete user data. The reset button only resets the system and reboots.



## Chapter 2. WEBUI Management System

The device default settings can work, or you can modify the default settings through the WEBUI management page. The WEBUI management page supports Internet Explorer 11 and higher, Firefox, Chrome, Safari and other major browsers.

### 2.1 Login

Open the browser, enter the address 192.168.100.1 and press Enter. The browser will display the login interface of the web management system, enter the username admin, password admin, and click Login to enter the management system.

User Name

Password

Login

[Forget Password?](#)

**Note:**

If you enter the wrong username/password three times in a while, the login function will be locked. You will not be able to log in to the web management system during the lockout period. You can try to enter the password again after the lockout time has elapsed.

The default username/password is simple. For security reasons, users should change to a more secure username/password after logging in to the system. For details on how to change the username/password, see the "Login Account" section.

User name or password error. Please wait 5 minutes.

User Name 123

Password ...

Login




[Forget Password?](#)



## 2.2 System Status

### 2.2.1 Network Status

This page displays the current 4G network status and related information, such as the connected network type (LTE, WCDMA, TD-SCDMA, etc.), signal strength value, MCC/MNC, etc.

 China Mobile LTE   English

<b>Status</b>	IMEI	123456789012347
<b>Network Status</b>	MEID	1234568901234E
<b>LAN Status</b>	SIM state	SIM PIN Disabled
<b>Device Status</b>	IMSI	460029214735336
<b>Traffic Statistics</b>	Mobile Number	
<b>Basic Setting</b>	Registration State	Registered
<b>Advanced Setting</b>	Operator Name	China Mobile
<b>Application Setting</b>	Network Type	LTE
<b>System Setting</b>	rsqi	-49
	rsrq	-5
	rsrp	-72
	snr	29.60
	Data Connection State	Connected
	IP Address	10.51.48.165
	DNS Address	211.136.112.50
	DNS Address	211.136.150.66
	Modem Version	CLM920_DTU-V1

Note:

If you cannot register the network or cannot access the Internet, you can check the status of this page to check whether the SIM card recognizes the normal, current network type and signal strength.

This page will be refreshed automatically, so it may not match the 4G network indicator or status bar. After the page is automatically refreshed, it can be refreshed manually.

If there is a problem with the network, you can modify the settings by referring to the Mobile Network Settings page.

### 2.2.2 LAN status

The device functions as a router, Wi-Fi AP and Ethernet are a local area network. This page displays information about the LAN related settings status and the LAN client list.





Status	
Network Status	
<b>LAN Status</b>	
Device Status	
Traffic Statistics	
<b>Basic Setting</b>	
<b>Advanced Setting</b>	
<b>Application Setting</b>	
<b>System Setting</b>	

Gateway Name	mydtu.com
Gateway IP Address	192.168.100.1
Network Mask	255.255.255.0
DHCP State	Enabled

**DHCP Client List**

No.	Host Name	MAC Address	IP Address
0	zff-PC	1c:1b:0d:40:0b:0d	192.168.100.195

**Wi-Fi Client List**

No.	MAC Address	Connected Time
-----	-------------	----------------

**ARP List**

No.	MAC Address	IP Address	Device
0	1c:1b:0d:40:0b:0d	192.168.100.195	br0

## 2.2.3 Device status

This page shows the status of the device, such as system time, boot time, device version number, etc.

Status	
Network Status	
LAN Status	
<b>Device Status</b>	
Traffic Statistics	
<b>Basic Setting</b>	
<b>Advanced Setting</b>	
<b>Application Setting</b>	
<b>System Setting</b>	

Current Time	2019-2-19 15:54:02
Device Boot Time	00:01:26
Memory Free	68.42 MB
Wi-Fi Hardware	rtl8189es
Wi-Fi MAC Address	00:57:08:00:19:1A
CPU	MDM9607
Network Mode	Mobile Net Mode
WAN Connection Status	Connected
WEBUI Version	3.42 DTU
Kernel Version	3.18.20
Modem Version	CLM920_DTU-V1

Note:

The current time displayed is the time the device is synchronized from the network. If there is a problem with the network connection, the time may be incorrect. The functions of data flow statistics of this system need to be strictly in accordance with time.

This page can view the version number of WEBUI. You can view this page by general device information.

## 2.2.4 Traffic Statistics

This page shows 4G traffic statistics



<b>Status</b>
Network Status
LAN Status
Device Status
<b>Traffic Statistics</b>
<b>Basic Setting</b>
Advanced Setting
Application Setting
System Setting

	Received Data	Transmitted Data	Connected Time
Current Monthly Data			
Current Connection Data	69.58 KB	55.99 KB	00:01:27

	Total/Monthly	Available/Monthly	Start Date
Data Traffic			

Note:

The data traffic on the device side may be inconsistent with the carrier.

The traffic statistics function depends on the system time. Traffic statistics are not available until the device time is synchronized to the network time.

In addition, if the device is often interrupted during use, it may cause inaccurate traffic data.

## 2.3 Basic settings

### 2.3.1 LAN Setting

This page can set the LAN gateway address, gateway name, and enable the DHCP service in the LAN. It is recommended to keep the default settings. Modify this setting only if it conflicts with other network segments.

After setting the gateway name, you can log in to the WEBUI management page directly using the gateway name. For example, you can use <http://mydtu.com> to log in to the WEBUI management page without entering an IP address. The gateway name must be a valid domain name

<b>Status</b>
<b>Basic Setting</b>
<b>LAN Setting</b>
Wi-Fi Setting
Mobile Network Setting
PIN Management
<b>Advanced Setting</b>
Application Setting
System Setting

**Note:** Gateway Name is a domain To access WEB.  
Gateway IP address and network segment are a subnet in router. It is recommend to keep it if it is not conflict with you local network.  
It is recommend to keep DHCP service enabled, or you have to set IP address and DNS manually.

Gateway Name	<input type="text" value="mydtu.com"/>
Gateway IP Address	<input type="text" value="192.168.100.1"/>
Network Mask	<input type="text" value="255.255.255.0"/>
DHCP State	<input type="text" value="Enable"/>
DHCP Start	<input type="text" value="192.168.100.100"/>
DHCP End	<input type="text" value="192.168.100.200"/>
DHCP Lease	<input type="text" value="120"/> Minutes



### 2.3.2 WI-FI Setting

This setting modifies the Wi-Fi AP SSID name, transport channel, security mode and password. After the broadcast network name is set to deactivate, other devices will not be able to search for this Wi-Fi AP.

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<b>Status</b>	SSID	DTU_AP_191A
<b>Basic Setting</b>	Broadcast SSID	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
LAN Setting	Channel	Auto
<b>Wi-Fi Setting</b>	Band Width	20MHz
Mobile Network Setting	Security Mode	WPA2-PSK-AES
PIN Management	Password	12345678
<b>Advanced Setting</b>	<input type="button" value="Save"/> <input type="button" value="Refresh"/>	
<b>Application Setting</b>		
<b>System Setting</b>		

### 2.3.4 Mobile network settings

This setting modifies the 4G related parameters. For example, the preferred network type (LTE, GSM, etc.) can be modified. After being set to the AUTO mode, the device will automatically find the optimal network according to the SIM card, for example, look up the LTE network first. If there is no LTE, look for the WCDMA or EVDO network, and then look for the GSM or CDMA 1x network. It is recommended to keep this setting.

APN setting function, the device presets most of the operator APN related settings, and the APN is set to the automatic selection mode to automatically match. If the SIM card is special, it may not be automatically matched. In this case, you can set the APN manually.

If you can't access the network after setting the APN according to the SIM card operator's requirements, you can try to modify the authentication type. The three authentication types are different. You can try it.

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<b>Status</b>	<b>Note:</b> It is recommend to set preferred network mode to auto mode. If changing it, please set preferred network mode according to the SIM and network operator. It may not work if wrong network mode have been set.	
<b>Basic Setting</b>	It is recommend to set APN mode to auto mode, it will search APN in a list according to SIM. If set to NV mode, it will not search APN. If these mode dont work, you may set it manually. If you dont know some parameter such as IP address, leave it empty.	
LAN Setting	Preferred Network Mode	LTE
Wi-Fi Setting	APN Mode	Auto
<b>Mobile Network Setting</b>	APN Name	
PIN Management	User Name	
<b>Advanced Setting</b>	Password	
<b>Application Setting</b>	IP Address	
<b>System Setting</b>	Auth Type	
<input type="button" value="Save"/> <input type="button" value="Refresh"/>		



## 2.3.5 PIN management

This page can display the SIM PIN status, activate, disable the SIM PIN function, modify the SIM PIN, and unlock the SIM PIN. In addition, if the function of automatically inputting SIM PIN is enabled, and the PIN code verification is enabled on the SIM card, and the PIN code attempts are 3, the device will automatically input the set PIN code to verify.

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<b>Status</b>	<b>Note:</b> If SIM has PIN enabled, you can auto verify PIN when power on. If you enable this function and SIM require verification and SIM PIN left retries is 3, then it will try that PIN.
<b>Basic Setting</b>	
LAN Setting	
Wi-Fi Setting	
Mobile Network Setting	
<b>PIN Management</b>	
<b>Advanced Setting</b>	
<b>Application Setting</b>	
<b>System Setting</b>	

SIM Card Status: SIM PIN Disabled

PIN Management:  Remaining Attempts: 3

PIN:

Auto-unlock PIN upon Power-on:

## 2.4 Advanced settings

### 2.4.1 Data usage setting

The traffic restriction feature limits how much traffic the device can use. If the traffic restriction feature is enabled, the mobile data network will be automatically disconnected when the traffic arrives, and then reconnected automatically after the next month. Frequent power-off restarts may result in data loss and inaccurate statistics. If you need to restart the device, use the restart function of the WEB management page.

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<b>Status</b>	<b>Note:</b> You may send SMS to your service provider to require accurate data usage, then correct device data usage if they are not same.
<b>Basic Setting</b>	Monthly Used: 1.22 GB <input type="button" value="Correct"/>
<b>Advanced Setting</b>	
<b>Data Usage Setting</b>	
MAC Filter	
Port forward	
Port Map	
DMZ	
VPN	
APN	
Network Mode	
Wi-Fi Enabler	
Ethernet Enabler	
USB Debug	
<b>Application Setting</b>	
<b>System Setting</b>	

**Note:** If enabled traffic limit function, mobile data connection will automatically disconnect when data usage reaches the limit. It will reconnect when next month cycle.

Data Usage Limit:

Start Date:



## 2.4.2 MAC filter

This setting is used to filter the client connected to the WIFI to prevent the illegal client from connecting to the device through WIFI. The default setting is blacklist mode. Under this setting, hosts in the blacklist cannot connect to the device, and other hosts can connect to the device. In whitelist mode, only hosts in the whitelist can connect to the device, and other hosts cannot connect to it.

Note:

Before setting to whitelist mode, you must first add yourself to the whitelist, otherwise you may not be able to connect to the device. When this happens, you can try to restore the factory value.。

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<b>Status</b>	<p><b>Note:</b> Please add yourself to accept list before set to accept mode, or you will disconnect from the device. Add all list then press save to save it into device.</p> <p>MAC Filter Mode: <span style="border: 1px solid #ccc; padding: 2px;">Disable</span> <input type="button" value="Save"/> <input type="button" value="Refresh"/></p> <p><b>Deny List</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30px; text-align: center;"><input type="checkbox"/></td> <td style="text-align: right;">MAC Address</td> </tr> <tr> <td></td> <td style="text-align: center;"><input type="button" value="Add"/> <input type="button" value="Del"/></td> </tr> </table> <p><b>Accept List</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30px; text-align: center;"><input type="checkbox"/></td> <td style="text-align: right;">MAC Address</td> </tr> <tr> <td></td> <td style="text-align: center;"><input type="button" value="Add"/> <input type="button" value="Del"/></td> </tr> </table>	<input type="checkbox"/>	MAC Address		<input type="button" value="Add"/> <input type="button" value="Del"/>	<input type="checkbox"/>	MAC Address		<input type="button" value="Add"/> <input type="button" value="Del"/>
<input type="checkbox"/>		MAC Address							
		<input type="button" value="Add"/> <input type="button" value="Del"/>							
<input type="checkbox"/>		MAC Address							
		<input type="button" value="Add"/> <input type="button" value="Del"/>							
<b>Basic Setting</b>									
<b>Advanced Setting</b>									
Data Usage Setting									
<b>MAC Filter</b>									
Port forward									
Port Map									
DMZ									
VPN									
APN									
Network Mode									
Wi-Fi Enabler									
Ethernet Enabler									
USB Debug									
<b>Application Setting</b>									
<b>System Setting</b>									

## 2.4.3 Port forward

Port forwarding is a function of forwarding a port or a range of port packets on a network to a set IP address.



Status
Basic Setting
Advanced Setting
Data Usage Setting
MAC Filter
<b>Port forward</b>
Port Map
DMZ
VPN
APN
Network Mode
Wi-Fi Enabler
Ethernet Enabler
USB Debug
Application Setting
System Setting

**Note:** Port forward function  
Because of restrict from SIM operator, port forward doesnt work for most SIM.  
If you have edit the list, save button should be pressed to save it to device.

**Port Forward List**

<input type="checkbox"/>	Protocol	Port	Destination Address
<input type="button" value="Add"/> <input type="button" value="Del"/> <input type="button" value="Save"/>			

## 2.4.4 Port Map

Port mapping is to modify the data packet of one port of the network network to another port and send it to the set IP address.

Status
Basic Setting
Advanced Setting
Data Usage Setting
MAC Filter
Port forward
<b>Port Map</b>
DMZ
VPN
APN
Network Mode
Wi-Fi Enabler
Ethernet Enabler
USB Debug
Application Setting
System Setting

**Note:** Port map function  
Because of restrict from SIM operator, port map doesnt work for most SIM.  
If you have edit the list, save button should be pressed to save it to device.

**Port Map List**

<input type="checkbox"/>	Protocol	Port	Destination Address	Destination Port
<input type="button" value="Add"/> <input type="button" value="Del"/> <input type="button" value="Save"/>				

## 2.4.5 DMZ

This setting can modify the DMZ host settings. If you need a host on the LAN to use the server, you can set the host IP address as the DMZ host. After being set as a DMZ host, packets sent to the router on the network are automatically forwarded to the DMZ host, and the host is also directly exposed to the Internet. May cause network security issues.



In general, IoT NICs may use this feature.

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<b>Status</b>	<p><b>Note:</b> DMZ is used to expose internal client to external network. It enable internal client to provide network service. All internal access to router will forward to the DMZ host. Because of restrict from SIM operator, DMZ doesnt work for most SIM.</p> <p>DMZ Status <input style="width: 100px;" type="text" value="Disable"/></p> <p style="text-align: center;"><input type="button" value="Save"/> <input type="button" value="Refresh"/></p>
<b>Basic Setting</b>	
<b>Advanced Setting</b>	
Data Usage Setting	
MAC Filter	
Port forward	
Port Map	
<b>DMZ</b>	
VPN	
APN	
Network Mode	
Wi-Fi Enabler	
Ethernet Enabler	
USB Debug	
<b>Application Setting</b>	
<b>System Setting</b>	

## 2.4.6 VPN

The VPN function is used to access the virtual private network. Can be used to remotely access corporate LANs, etc. Note that the LAN segment of the router cannot conflict with the remote network segment.

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<b>Status</b>	<p><b>Note:</b> VPN is used to access remote virtual private network.</p> <p>VPN Mode <input style="width: 100px;" type="text" value="None"/></p> <p style="text-align: center;"><input type="button" value="Save"/> <input type="button" value="Refresh"/></p>
<b>Basic Setting</b>	
<b>Advanced Setting</b>	
Data Usage Setting	
MAC Filter	
Port forward	
Port Map	
DMZ	
<b>VPN</b>	
APN	
Network Mode	
Wi-Fi Enabler	
Ethernet Enabler	
USB Debug	
<b>Application Setting</b>	
<b>System Setting</b>	

## 2.4.7 APN

This page sets the APN used to register the network. .



<b>Status</b>
<b>Basic Setting</b>
<b>Advanced Setting</b>
Data Usage Setting
MAC Filter
Port forward
Port Map
DMZ
VPN
<b>APN</b>
Network Mode
Wi-Fi Enabler
Ethernet Enabler
USB Debug
<b>Application Setting</b>
<b>System Setting</b>

**Note:** Registration APN is a special APN used to register network.  
Do not set this option if you dont know this, error setting make it dont register to network.

Registration APN Status:

## 2.4.8 Network Mode

This page is whether the network used by the DTU is a mobile network or an Ethernet network.

<b>Status</b>
<b>Basic Setting</b>
<b>Advanced Setting</b>
Data Usage Setting
MAC Filter
Port forward
Port Map
DMZ
VPN
APN
<b>Network Mode</b>
Wi-Fi Enabler
Ethernet Enabler
USB Debug
<b>Application Setting</b>
<b>System Setting</b>

**Note:** Mobile network mode is used to make data connection on SIM mobile network. All data are forward on SIM operator network.  
Ethernet network mode is used to make data connection on ethernet network by RJ45 connector, so you dont need to SIM. You must connect ethernet to a network a router, or device can not forward LAN data to internet.

Network Mode:

## 2.4.9 WIFI Enable

This page is used to turn off or turn on the wifi function.





Status
Basic Setting
Advanced Setting
Data Usage Setting
MAC Filter
Port forward
Port Map
DMZ
VPN
APN
Network Mode
<b>Wi-Fi Enabler</b>
Ethernet Enabler
USB Debug
Application Setting
System Setting

**Note:** If Wi-Fi is not needed, it can be shutdown here. You may can not access this WEB if Wi-Fi have been shutdown. Then you can enable it by factory reset button.

Wi-Fi State

## 2.4.10 Ethernet Enable

If you do not need the Ethernet function, you can turn off the Ethernet here. After turning off the Ethernet, you may not be able to access this page to open the Ethernet function. You can only restore this function by restoring the factory settings button.

Status
Basic Setting
Advanced Setting
Data Usage Setting
MAC Filter
Port forward
Port Map
DMZ
VPN
APN
Network Mode
Wi-Fi Enabler
<b>Ethernet Enabler</b>
USB Debug
Application Setting
System Setting

**Note:** If ethernet is not needed, it can be shutdown here. You may can not access this WEB if ethernet have been shutdown. Then you can enable it by factory reset button.

Ethernet State

## 2.4.11 USB debug

This function switches the USB configuration to debug mode. In debug mode, you can use the adb tool to debug. You can use the DIAG to capture the log of the modem. However, there is no RNDIS configuration in the debug mode, so you cannot provide network functions through USB.



<b>Status</b>	<p><b>Note:</b> Switch USB configuration to debug mode.</p> <p style="text-align: center;">USB Debug</p>
<b>Basic Setting</b>	
<b>Advanced Setting</b>	
Data Usage Setting	
MAC Filter	
Port forward	
Port Map	
DMZ	
VPN	
APN	
Network Mode	
Wi-Fi Enabler	
Ethernet Enabler	
<b>USB Debug</b>	
<b>Application Setting</b>	
<b>System Setting</b>	

## 2.5 Application setting

### 2.5.1 RS232

The main function of DTU is to use TCP to transparently transmit serial data and server data. This function receives the RS232 serial port data, transmits it to the set server, and can receive the data on the server and transfer it to the device on the RS232 serial port.

<b>Status</b>	<p><b>Note:</b> RS232 transport is used to transfer data received from UART to server, and transfer data received from server to UART.</p>	
<b>Basic Setting</b>		
<b>Advanced Setting</b>		
<b>Application Setting</b>		
<b>RS232</b>		
RS485		
PING		
Reboot When Disconnect		
Auto Reboot Setting		
<b>System Setting</b>		
Serial Transport Status		Enable
Baud Rate		115200
Data Bit		8
Parity Bit		None Parity
Stop Bit		1
Frame Time	50	
Frame Length	1024	
Server Address		
Server Port	0	
Transfer protocol	TCP	
Registration package status	Disable	
Heart beat status	Disable	
	Save Refresh	

### 2.5.2 RS485

The RS485 transparent transmission setting function is basically the same as RS232. Since RS485 is half-duplex, it is not possible to transparently pass server data to the serial port. If you need to modify this feature, please contact your supplier.



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<b>Status</b>	<p><b>Note:</b> RS485 transport is used to transfer data received from UART to server.</p> <p>Serial Transport Status <input type="text" value="Disable"/></p> <p style="text-align: right;"><input type="button" value="Save"/> <input type="button" value="Refresh"/></p>
<b>Basic Setting</b>	
<b>Advanced Setting</b>	
<b>Application Setting</b>	
RS232	
<b>RS485</b>	
PING	
Reboot When Disconnect	
Auto Reboot Setting	
<b>System Setting</b>	

### 2.5.3 PING check

This function is used to detect whether the device is connected to the Internet. If the device is abnormal and cannot access the Internet, you can restart the device for recovery.

Note: This feature consumes 4G mobile data traffic

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<b>Status</b>	<p><b>Note:</b> This function is used to make data connection stable. Ping a server periodically, if it does not response, then reboot device. If device does not received any data for a IDLE time, then it will ping a server. If it response in the setting time, then the data connection is OK. If it timeout for the setting count, device will reboot.</p> <p>PING Check Status <input type="text" value="Enable"/></p> <p>Server Address <input type="text" value="114.114.114.114"/></p> <p>PING if Idle Time <input type="text" value="240"/> Seconds</p> <p>PING Timeout Time <input type="text" value="30"/> Seconds</p> <p>PING Timeout Count <input type="text" value="4"/></p> <p style="text-align: right;"><input type="button" value="Save"/> <input type="button" value="Refresh"/></p>
<b>Basic Setting</b>	
<b>Advanced Setting</b>	
<b>Application Setting</b>	
RS232	
RS485	
<b>PING</b>	
Reboot When Disconnect	
Auto Reboot Setting	
<b>System Setting</b>	

### 2.5.4 Reboot when disconnect

The disconnection detection function is a function to increase the connection stability of the mobile data network. After detecting that the mobile data connection is disconnected and cannot be reconnected within the set time, the device is restarted to restore the data connection.



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<b>Status</b>	<p><b>Note:</b> This function is used to make data connection stable. If it can not connect always, device will reboot periodically.</p> <p>Reboot When Data Disconnect <input type="text" value="Enable"/></p> <p>Disconnect Time <input type="text" value="450"/> Seconds</p> <p style="text-align: center;"><input type="button" value="Save"/> <input type="button" value="Refresh"/></p>
<b>Basic Setting</b>	
<b>Advanced Setting</b>	
<b>Application Setting</b>	
RS232	
RS485	
PING	
<b>Reboot When Disconnect</b>	
Auto Reboot Setting	
<b>System Setting</b>	

### 2.5.5 Auto reboot setting

To maintain device stability, you can set the device to automatically restart. It can be set to restart every few hours, for example, every 72 hours. It can also be set to restart at a fixed time every day, such as restarting at 00:00 every day, or restarting at 21:00 every day.

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<b>Status</b>	<p><b>Note:</b> Device will reboot in periodically.</p> <p>Auto Reboot Status <input type="text" value="Disable"/></p> <p style="text-align: center;"><input type="button" value="Save"/> <input type="button" value="Refresh"/></p>
<b>Basic Setting</b>	
<b>Advanced Setting</b>	
<b>Application Setting</b>	
RS232	
RS485	
PING	
Reboot When Disconnect	
<b>Auto Reboot Setting</b>	
<b>System Setting</b>	

## 2.6 System setting

### 2.6.1 Update Firmware

If there is a bug fix or feature update, you can update the system version with this setting. Only use certified upgrade packages, otherwise it may not boot.

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<b>Status</b>	<p><b>Note:</b> Please use authorized update package, or device may not boot. Please do not unplug power source when updating.</p> <p style="text-align: center;"><input type="button" value="Select firmware"/></p>
<b>Basic Setting</b>	
<b>Advanced Setting</b>	
<b>Application Setting</b>	
<b>System Setting</b>	
<b>Update Firmware</b>	
User Management	
Telnet Service	
Reboot	



## 2.6.2 User management

Modify login and password.

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<b>Status</b>	<b>Note:</b> Modify WEB login user name and password.
<b>Basic Setting</b>	New User Name <input style="width: 100%;" type="text"/>
<b>Advanced Setting</b>	New Password <input style="width: 100%;" type="password"/>
<b>Application Setting</b>	<input type="button" value="Save"/>
<b>System Setting</b>	
Update Firmware	
<b>User Management</b>	
Telnet Service	
Reboot	

## 2.6.3 Telnet service

Remote access to devices when enabled.

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<b>Status</b>	<b>Note:</b> Telnet service, when enabled, you are able to access device remotely.
<b>Basic Setting</b>	Telnet Service <input style="width: 100%;" type="text" value="Disable"/>
<b>Advanced Setting</b>	<input type="button" value="Save"/>
<b>Application Setting</b>	
<b>System Setting</b>	
Update Firmware	
User Management	
<b>Telnet Service</b>	
Reboot	

## 2.6.4 Reboot

Reboot the device and restart the device with this setting to ensure that the data has been saved to the system without losing unsaved data.

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<b>Status</b>	<b>Note:</b> When device settings have been changed, you can manually reboot device here.
<b>Basic Setting</b>	<input type="button" value="Reboot Device"/>
<b>Advanced Setting</b>	
<b>Application Setting</b>	
<b>System Setting</b>	
Update Firmware	
User Management	
Telnet Service	
<b>Reboot</b>	