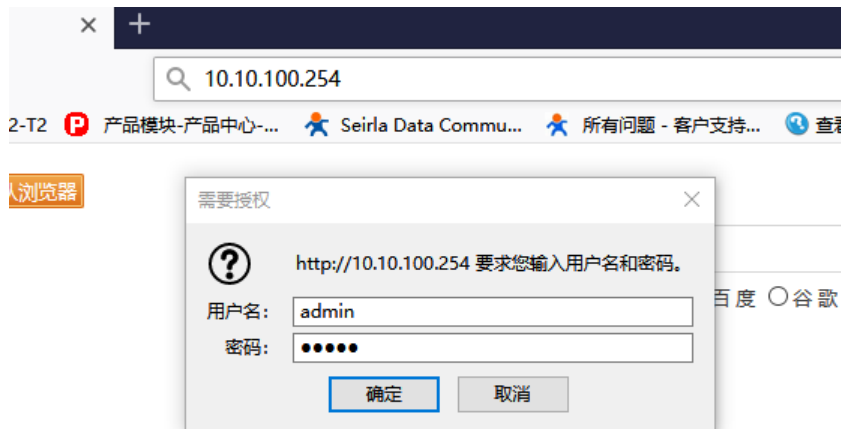


## USR-W610 Configuration by Web-page

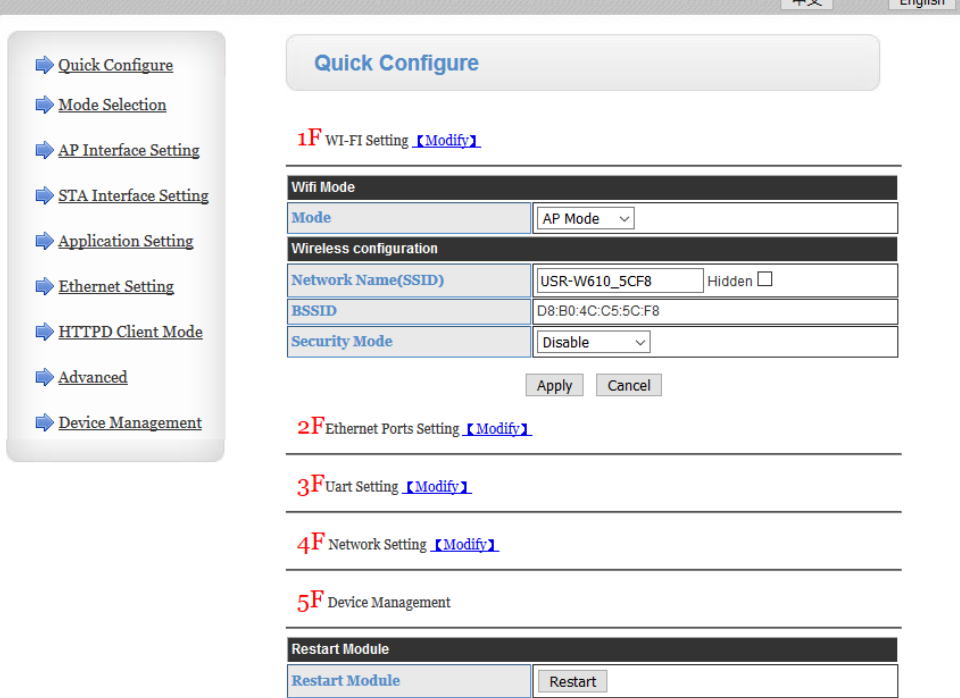
1. PC joins into the wifi of USR-W610, SSID of USR-W610 is USR-W610\_XXXX



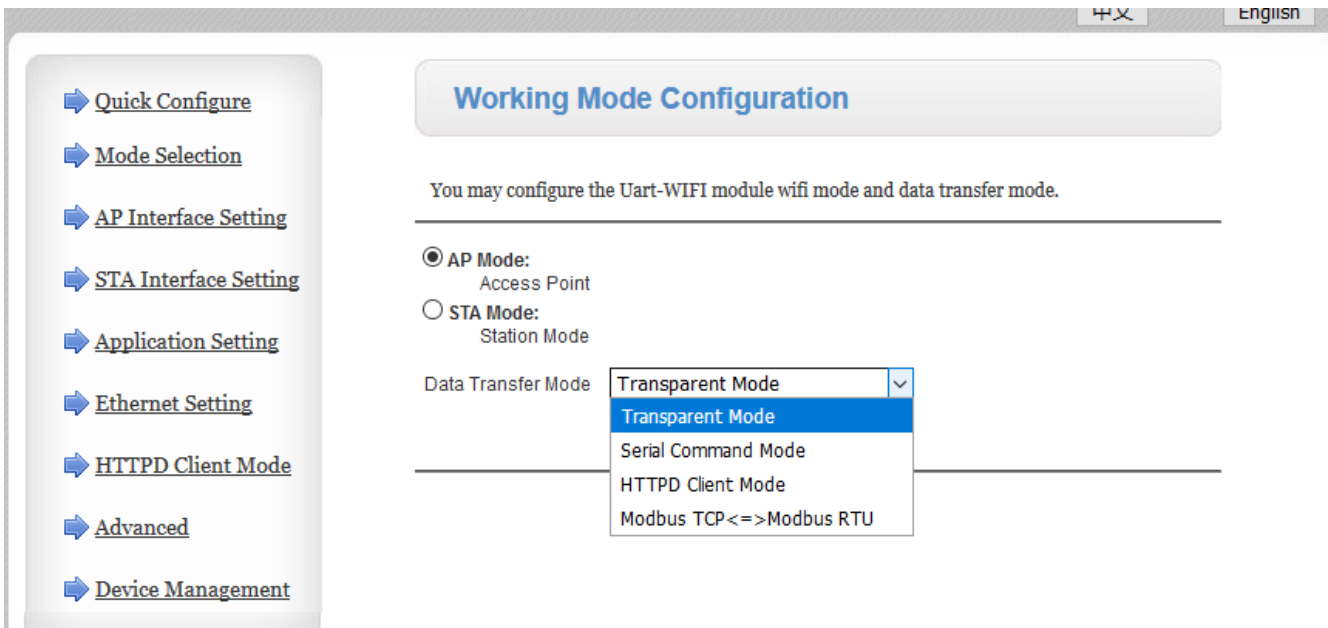
2. Enter 10.10.100.254, the account and password are both admin



3. Quick configure, can show you the main functions of USR-W610



4. Mode Selection, USR-W610 can work at AP or STA mode. The data transfer mode can be configured as Transparent mode, Serial command (AT command), HTTPD client, Modbus TCP to Modbus RTU.



5. AP Interface Setting: USR-W610 works at AP mode. Here refers to the parameters of USR-W610. Both supports user defined.
- ① Wireless Network: WIFI parameters of USR-W610.
  - ② LAN Setup: The default IP address of USR-W610. Login webpage by this IP address.

中文 English

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### AP Interface Setting

AP Interface Setting such as SSID, Security...

Wireless Network	
Network Mode	11b/g/n mixed mode ▾
Network Name(SSID)	USR-W610_5CF8 <input type="checkbox"/> Hidden
BSSID	D8:B0:4C:C5:5C:F8
Frequency (Channel)	AutoSelect ▾

USR-W610_5CF8	
Security Mode	Disable ▾

LAN Setup	
IP Address(Default DHCP Gateway)	10.10.100.254
Subnet Mask	255.255.255.0
DHCP Type	Server ▾

③ Security Mode: You can select security mode as you required.

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### AP Interface Setting

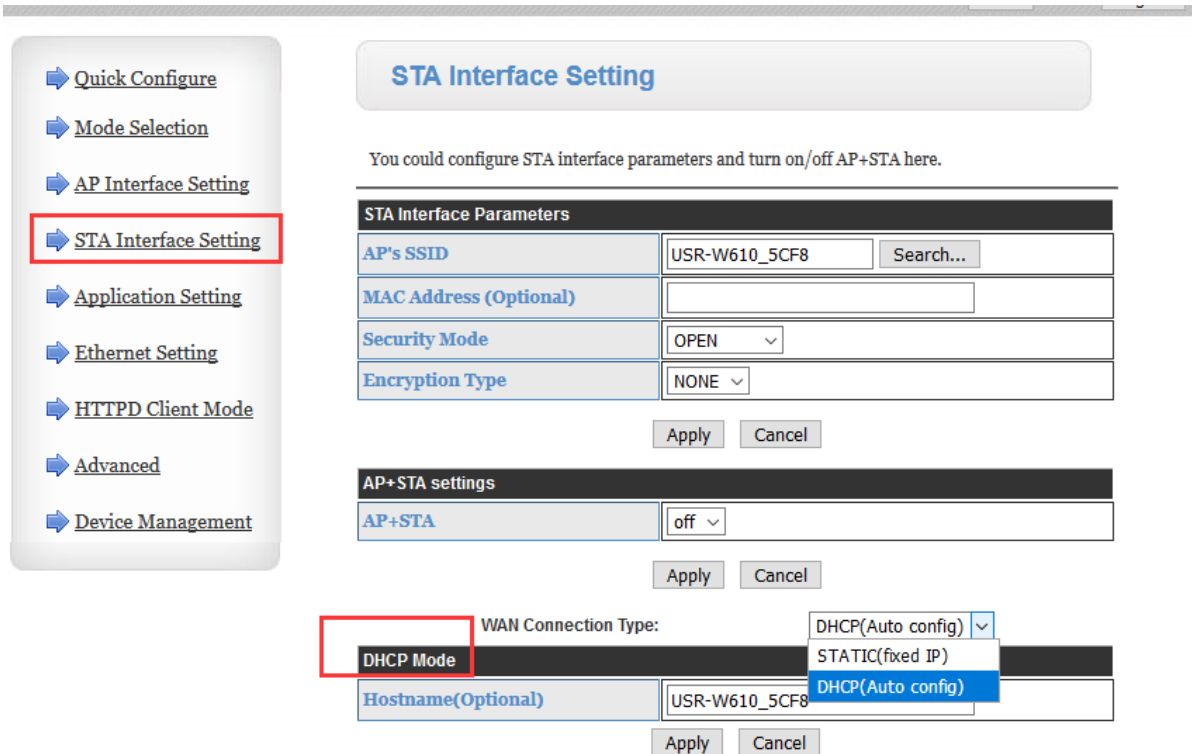
AP Interface Setting such as SSID, Security...

Wireless Network	
Network Mode	11b/g/n mixed mode ▾
Network Name(SSID)	USR-W610_5CF8 <input type="checkbox"/> Hidden
BSSID	D8:B0:4C:C5:5C:F8
Frequency (Channel)	AutoSelect ▾

USR-W610_5CF8	
Security Mode	Disable ▾ Disable OPENWEP SHAREDWEP WPA-PSK

## 6. STA Interface Setting: USR-W610 access to other AP.

- ① STA Interface Parameters: It refers to the parameters of the AP to which USR-W610 is connected
- ② AP+STA Settings: USR-W610 can act as both AP and STA.
- ③ DHCP Mode: How does USR-W610 get IP address under STA mode.  
 DHCP: Will get the IP from AP automatically  
 Static IP: User can setup the fixed IP on here.



**STA Interface Setting**

You could configure STA interface parameters and turn on/off AP+STA here.

STA Interface Parameters	
AP's SSID	USR-W610_5CF8 <input type="text" value="Search..."/>
MAC Address (Optional)	<input type="text"/>
Security Mode	OPEN <input type="button" value="v"/>
Encryption Type	NONE <input type="button" value="v"/>

AP+STA settings	
AP+STA	off <input type="button" value="v"/>

WAN Connection Type:	DHCP(Auto config) <input type="button" value="v"/>
<b>DHCP Mode</b>	DHCP(Auto config) <input type="button" value="v"/> STATIC(fixed IP) DHCP(Auto config)
Hostname(Optional)	USR-W610_5CF8 <input type="text"/>

## 7. Application Setting

- ① WiFi-Uart Setting, the parameters should be setup the same value as your serial port device. (Picture 1)
- ② Network A Setting: 4 modes can be set on the network side as TCP Server, TCP client, UDP Server and UDP client. User can select one of them in the project. (Picture 2 as below)  
 UDP Server: USR-W610 will remember the last communication between the UDP client and will communicate with the last UDP client.  
 UDP Client: Under this mode, USR-W610 only communicates with the target IP and Port  
 TCP Server: USR-W610 does not need to set IP address. Work at this mode, W610 can't automatically connect to the Client. It accepts max 24 Clients.  
 TCP Client: Need to fill in the server IP/port to make sure the device connect to TCP server actively.
- ③ SocketB Setting: This part only takes effect when USR-W610 at TCP Client or UDP Client mode.
- ④ TCP Connection Password authentication: It only works under TCP server mode. Will verify the password of TCP client which will be connected to W610.
- ⑤ More functions: Registered package Setting, Custom heartbeat packet settings, socket distribution settings, modbus polling. (Picture 3 as below)

Picture 1 WiFi-Uart Setting

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### Wifi-Uart Setting

You could configure the Uart parameters and network parameters of the wifi-uart application.

Uart Setting	
Baudrate	57600 ▾
Data Bits	8 ▾
Parity	None ▾
Stop	1 ▾
Flow control	Disable ▾
485 mode	Enable ▾
Baudrate adaptive (RFC2117)	Enable ▾

Apply Cancel

UART AutoFrame Setting	
UART AutoFrame	Disable ▾

Apply Cancel

Registered Package Setting	
Registered Package Type	off ▾

Upload Manner: first: Module send registration packet when connection established; every: Send registration packet every time when module send data

Apply Cancel

Picture 2 Network A Setting

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- ➔ [Mode Selection](#)
- ➔ [AP Interface Setting](#)
- ➔ [STA Interface Setting](#)
- ➔ [Application Setting](#)
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Httpdclient Mode settings	
Httpdclient Mode	long ▾

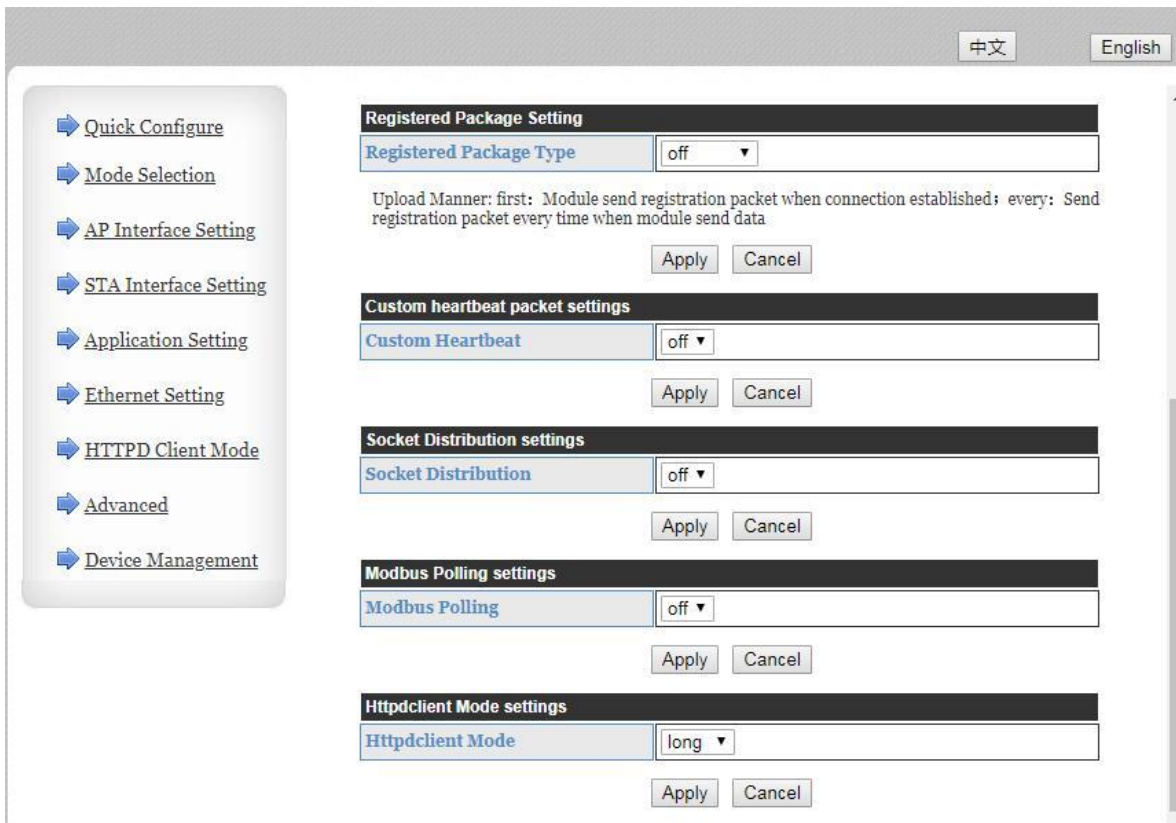
Apply Cancel

Network A Setting	
Mode	Server ▾
Protocol	TCP ▾
Port	8899
Server Address	10.10.100.100
MAX TCP Num. (1~24)	24
TCP Time out (MAX 600 s)	0
TCP connection password authentication	Disable ▾

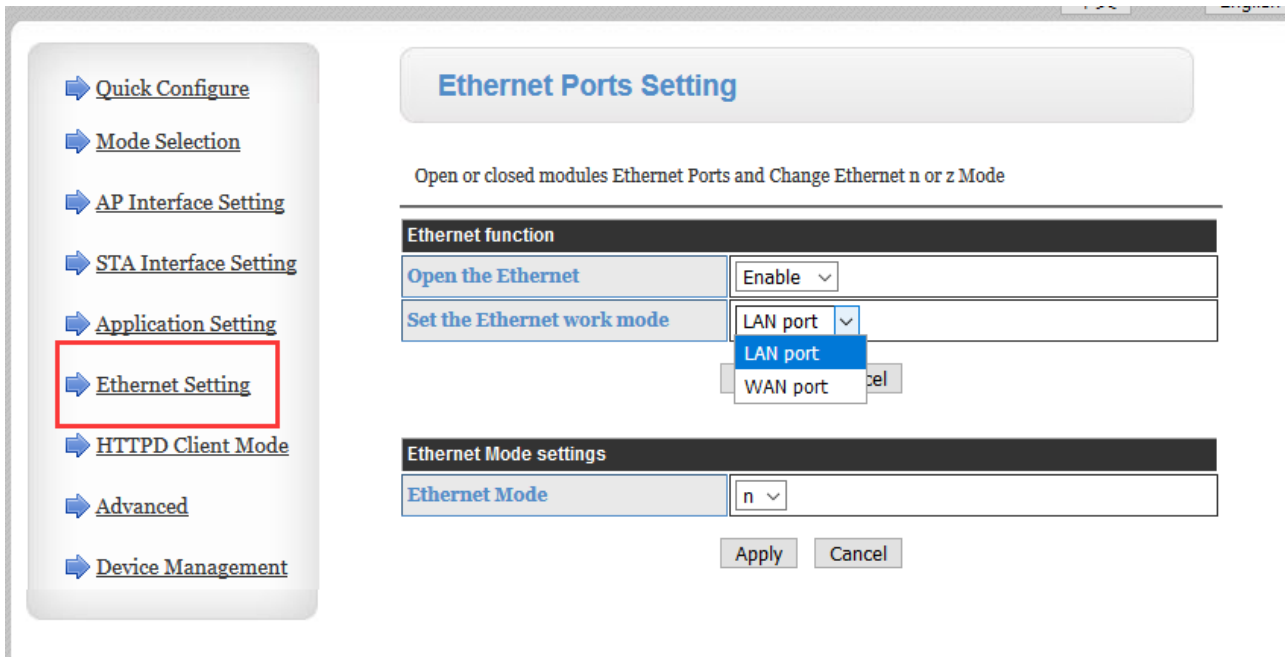
Socket B Setting	
Open the SocketB function	on ▾
Protocol	TCP ▾
Port	18899
Server Address	10.10.100.100
TCPB Time out (MAX 600 s)	0

Apply Cancel

Picture 3



8. Ethernet Setting, W610 has one ethernet port. This port can be worked as LAN port or WAN port.  
 LAN Port: It supports the data transmission between ethernet to serial or wifi.  
 WAN Port: W610 can be used as secondary router which is convenient for users to network



9. HTTPD Client Mode

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### HTTPD-Client Mode

In HTTPD\_Client mode, set the relevant parameters of HTTP

Note: HTTPD Client mode is used to communicate with HTTP Server. It encapsulate the serial data to be HTTP protocol data, then send to HTTP Server.

HTTPD Header Set Mode	new
HTTPD Server address	10.10.100.200
HTTPD Server port	80
HTTPD Request Type	GET
HTTPD Header path	/abcd
Custom HTTP Header	Content-type:text/html;charset=utf-8

10. Advanced, USR-W610 supports port mapping. It only works at STA mode or ethernet port sets as WAN.

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### Advanced Setting

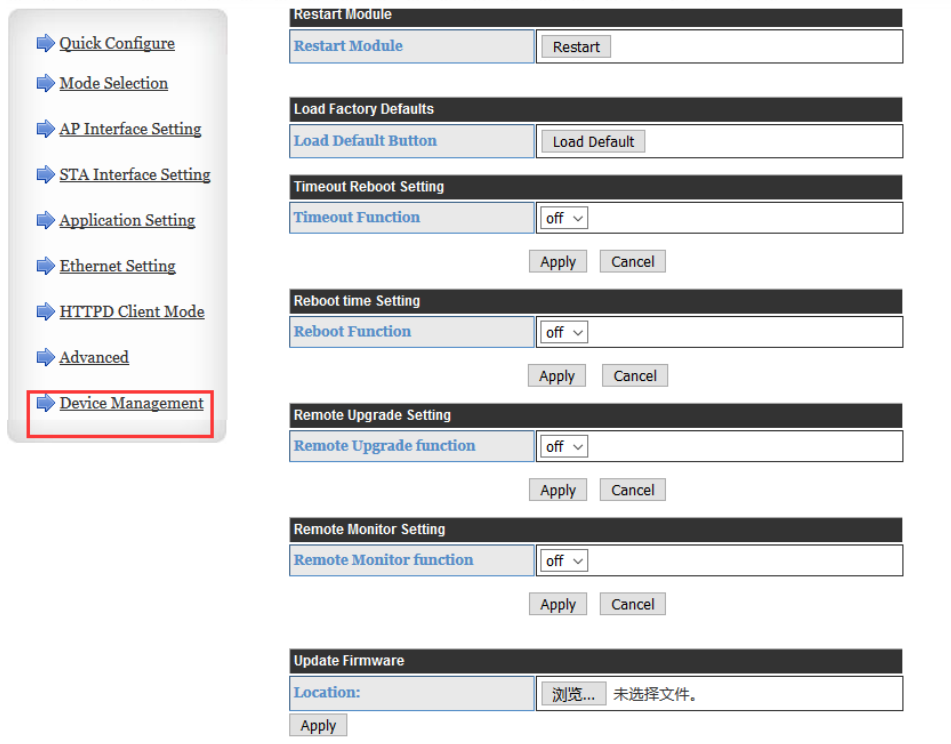
Set the module of some advanced features

Port mapping set	
Port mapping function	Enable
External port (0~65535)	51968
Internal port (0~65535)	80
Port mapping time interval (0 ~ 1000) seconds	300

Note: this is used to get port forwarding from router, then to mapping the port to module

11. Device Management, it includes Restart, Timeout Reboot Setting, Reboot time setting, update firmware.

Remote Monitor Setting, it used for monitor the flow of SIM card or update firmware by remote. Please contact sales if you wanna use this function of ‘ Remote Monitor Setting’.



Quick Configure  
Mode Selection  
AP Interface Setting  
STA Interface Setting  
Application Setting  
Ethernet Setting  
HTTPD Client Mode  
Advanced  
**Device Management**

**Restart Module**  
Restart Module Restart

**Load Factory Defaults**  
Load Default Button Load Default

**Timeout Reboot Setting**  
Timeout Function off ▾  
Apply Cancel

**Reboot time Setting**  
Reboot Function off ▾  
Apply Cancel

**Remote Upgrade Setting**  
Remote Upgrade function off ▾  
Apply Cancel

**Remote Monitor Setting**  
Remote Monitor function off ▾  
Apply Cancel

**Update Firmware**  
Location: 浏览... 未选择文件。  
Apply

Company: Jinan USR IOT Technology Limited

Email: [Sales@usriot.com](mailto:Sales@usriot.com)