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WIFI Config(English)

Please update your demo, the version shown in the following picture is only for demonstration.

- 1) 1, connect the pc and reader for the serial port, and use the “RFIDDemo.exe” to connect;

The screenshot displays the RFIDDemo - [Ver:3.2.0.5] application window. The top menu bar includes CONNECT(C), LANGUAGE, and HELP(H). The main configuration area has three radio buttons: Serial Interface (selected), Net Interface, and USB Interface. Below these, the Serial Interface section shows PortName set to COM1 and BaudRate set to 9600. A large text area contains [ATTENTIONS] and detailed instructions for connecting the reader, including factory settings restoration, baud rate selection, and card number adjustments. The bottom status bar shows DISCONNECTED, COM1, 9600, and Status..

The second screenshot shows the same application with the READ DEMO tab selected. The top menu bar now includes DISCONNECT(C), LANGUAGE, RCP LOGGING(L), and HELP(H). The main area features a table with columns: No., Ant, Address, Hex / Dec / WG, Length, Hex Card, Last Time, and Repeat Count. The table is currently empty. Below the table are buttons for Clear, Export, and Start Read. The bottom status bar shows CONNECTED, COM1, 9600, Type:PW - Version:V3.64 - Address: 65535, and Action BASE Parameters Success.

- 2) Choose the “WIFI SETTINGS”

RFID Demo - [Ver:3.2.0.5]

DISCONNECT(C) LANGUAGE RCP LOGGING(L) HELP(H) [Have New Version...](#)

READ DEMO BASE SETTINGS SENIOR SETTINGS ISO18000-6B READ&WRITE EPC(GEN 2) READ&WRITE **WIFI SETTINGS**

Wifi Pub Parameters Control

Type: Wifi Mode: Hide SSID:
 Net Mode: Protocol: Protocol Port:
 Host IP: Count(<32): Delay(<255):
 Mac:

Wifi STA Parameters Control

Mode: Channel: SSID:
 Auth: Encry: Key:
 WAN IP: WAN Mask: WAN Gateway: Allocation:

Downloads after change parameters

| Time | Type | RCP Packet (HEX) | Time | Current Status |
|--------------|---------|--|--------------|--|
| 16:06:25 183 | RCP CMD | 7C FF FF 82 32 00 D2 | 16:06:25 160 | CONNECT: not connect reader, connecti... |
| 16:06:25 297 | RCP RSP | CC FF FF 82 00 22 0A 20 77 77 77 2E 41 6F 73 69 64 2E 63 6F 6D 20 0A 57 50 56... | 16:06:25 607 | CONNECT: Connected. |
| 16:06:25 698 | RCP CMD | 7C FF FF 81 32 00 D3 | | |
| 16:06:25 808 | RCP RSP | CC FF FF 81 00 1C 1E 01 6E 54 5D 66 6F 78 82 02 0A 00 01 00 1E 0A 0F 01 01 01... | | |

CONNECTED COM1 9600 Type:PW - Version:V3.64 - Address: 65535 Action BASE Parameters Success

- 3) Click "Upload" to get the parameters for WIFI model, and wait few minutes ,if the parameters be upload ,can pop the windows ,as follow; if wait long times and not pop windows, please reset power for reader , and click "Upload" again;

CAT+WMAC

Control

BGN: Channel: SSID:
 EN: Encry: Key:
 10.100.254 LAN Mask: DHCP:

change parameters

Upload Data Succeed!

确定

RCP Packet (HEX) Time Current Status

- 4) Set the parameters;

- 5) If the parameters change OK , click “Set” for set the parameters to reader, and click “Download” for set the parameters to WIFI model;

WIFI Mode: AP and STA,

AP: the reader is wireless router; the user can connect the reader by AP_SSID and AP Password.

STA: the reader is wireless terminal; the reader can connect to user's wireless router by STA_SSID and STA_Password.

Net Mode: Client and Server

Client: the reader is a client, active to connect remote ip and port.

Server: the reader be a Server, wait the user connect it;

Example 1,,the reader be a Server

Wifi Pub Parameters Control

| | | | | | |
|----------|---------------|------------|-----|---------------|-------|
| Type | WIFI | Wifi Mode | STA | Hide SSID | Show |
| Net Mode | Server | Protocol | TCP | Protocol Port | 49152 |
| Host IP | 192.168.2.100 | Count(<32) | 32 | Delay(<255) | 150 |
| Mac | 000000000000 | | | | |

Wifi STA Parameters Control

| | | | | | |
|--------|---------------|----------|---------------|-------------|-------------|
| Mode | 11BGN | Channel | Auto | SSID | input_ssid |
| Auth | WPA2PSK | Encry | AES | Key | input_key |
| WAN IP | 192.168.2.115 | WAN Mask | 255.255.255.0 | WAN Gateway | 192.168.2.1 |
| | | | | Allocation | Static |

Downloads after change parameters

Upload Download Get Set Default Quick Set

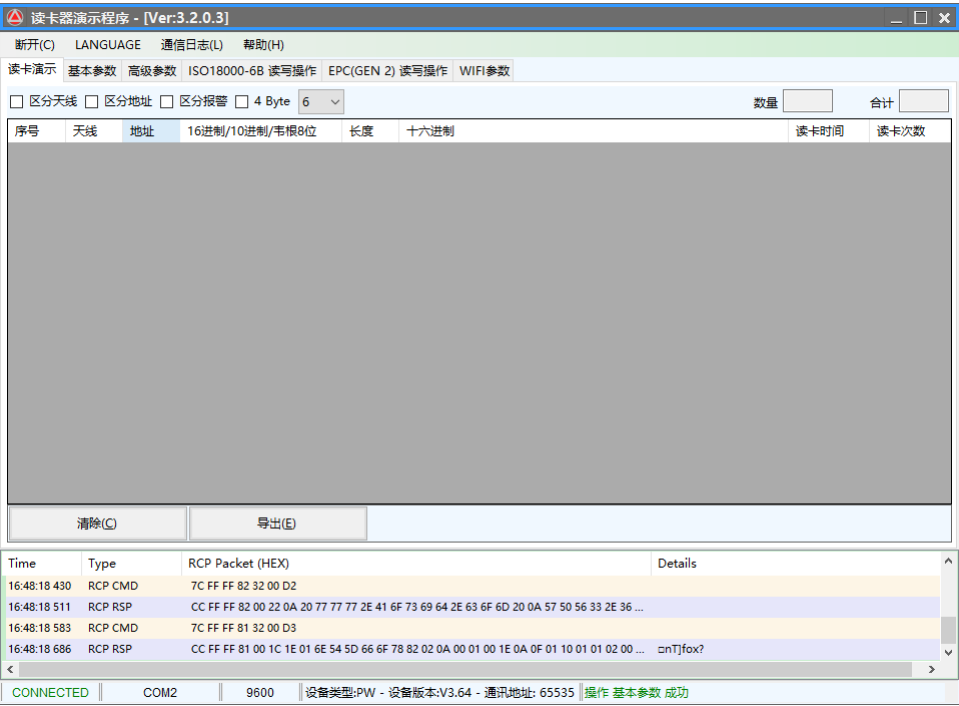
- 1, Choose STA,

- 2, Choose Server
- 3, Set "49152";
- 4, Set your router ssid and key;
- 5, Change the auth and encry, (strongly advise to use AES)
- 6, Set the reader Static IP etc. and the IP must in your router network segment;
- 7, Set the Static;
- 8, Click "SET";
- 9, Click "Download";
- 10, Wait the "SUCCEED " pop windows, if long times not pop, Repeat steps 8~10;
- 11, At now, the config is over;

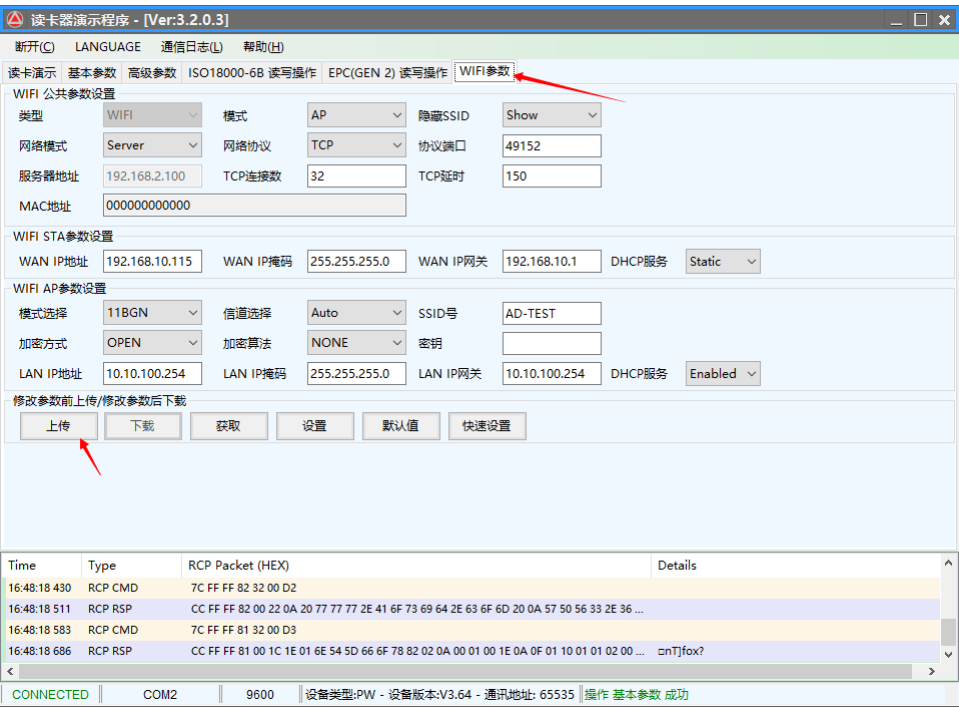
WIFI 参数设置(中文)

请更新你的演示软件,下面图片显示的版本号仅演示用.

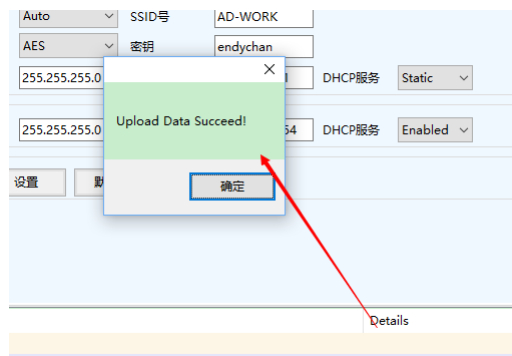
1) 将读卡器串口连接电脑 ,使用 DEMO 联机,如下图:



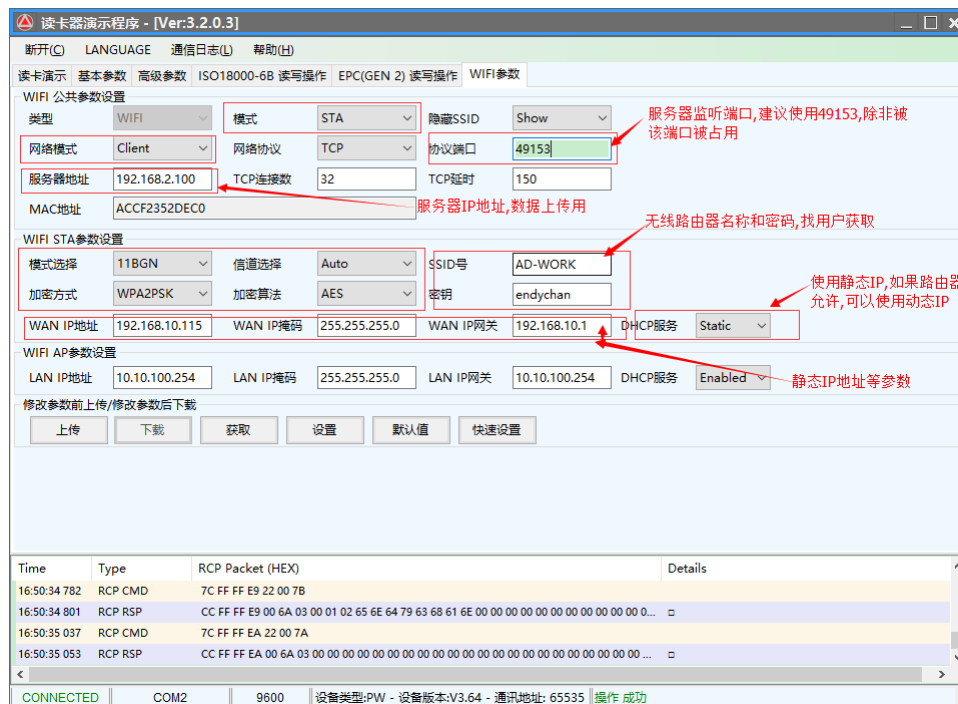
2) 选择 WIFI 参数页面



3) 上传参数,,点击后需要等待弹出菜单(如下图),如果长时间没有弹出页面,请给读卡器重新上电,并从步骤 1 开始;



4) 设置参数,未备注的红色线框部分必须设置为红框里面的值;



5) 点击“设置”后,再点击“下载”,将设置参数设置到 WIFI 模块。

模式: AP 和 STA,

AP:读卡器做无线路由器,,通过 AP_SSID,和密码,用户可以连接到读卡器.

STA:读卡器做无线终端,,,通过 SSID,和密码,用户可以将读卡器连接到用户无线路由器

网络模式: client 和 server

Client: 读卡器主动发起连接到指定 IP 地址及端口

Server: 用户发起连接到读卡器设定的 IP 地址及端口

例 1,,读卡器做服务器端 PC 做客户端

WIFI 公共参数设置

| | | | | | |
|-------|---------------|--------|-------|--------|---------|
| 类型 | WIFI | 模式 | 1 STA | 隐藏SSID | Show |
| 网络模式 | 2 Server | 网络协议 | TCP | 协议端口 | 3 49152 |
| 服务器地址 | 192.168.2.100 | TCP连接数 | 32 | TCP延时 | 150 |
| MAC地址 | 000000000000 | | | | |

WIFI STA参数设置

| | | | | | |
|----------|-----------------|----------|---------------|----------|-------------|
| 模式选择 | 11BGN | 信道选择 | Auto | SSID号 | 4 inputSSID |
| 加密方式 | WPA2PSK | 5 加密算法 | AES | 密钥 | input_key |
| WAN IP地址 | 6 192.168.2.115 | WAN IP掩码 | 255.255.255.0 | WAN IP网关 | 192.168.2.1 |
| | | | | 地址分配方式 | 7 Static |

Downloads after change parameters

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Upload Download9 Get Set Default Quick Set

- 1,选择 STA,
- 2,选择 Server
- 3,设置"49152", (当你懂这个得含义时候你可以设置其他);
- 4,设置你路由器的 SSID 和密钥,
- 5,将你路由器的加密方式设置成 WPA2PSK ,加密方式设置成 AES(强烈建议),(当你懂这个的含义的时候你可以设置其他)
- 6,设置静态 IP,,查看你的路由器的 IP 段,并将未被占用的 IP 填写到 6 的位置,包含掩码和网关;
- 7,设置静态模式,(当你懂这个得含义时候你可以设置动态模式)
- 8,设置完成,点击"SET"设置按钮,
- 9,设置完成,点击"Download"下载按钮;
- 10,等待弹出"SUCCEED "成功弹窗,长时间不弹出则重复 8~10;
- 11,至此设置完成;
- 12,备注连接读卡器的电脑必须可以 PING 通 6 步骤设置的 IP 才能和读卡器通讯;