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| Xiaojun He | 2018-3-15 | 1. 添加修改登录信息规则 2. 添加APN授权方式数字和字符的对应关系 3. 添加网络模式数字说明 |
| Random | 2018-3-16 | 1. Add close Data in page of Connect Customer 2. Add ico show |
| Random | 2018-3-20 | 1. Add language |
| Xiaojun He | 2018-3-21 | 1. 修改设置优先网络模式的函数名称为SetNetworkType 2. 添加获取优先网络模式方法 3. 添加流量限制单位说明 4. Limit data为-1代表没有设置限制 |
| Random | 2018-3-24 | 1. Modify Custom Connect return 2. Add Service to Client 3. Modify Common 4. Add Sms 5. Modify device info 6. Add return |

# 关于WIFI项目文档说明

目前功能分为如下：

1. 登陆账号密码

2. 连接用户列表

3. 设备信息

4. 流量限制

5. 流量统计

6. 网络制式设置

7. APN设置（包括APN的显示和设置）

8. WIFI 设置 (包括WIFI显示和设置)

9. 重启设置

10. 恢复出厂设置

11. 断开数据业务

12. 图标显示（Battery，NetworkType，SPN, RSRP）

13. 语言设置

14. 短信界面

以上所有的功能在Client和Service之间交互， Service都会返回数据。

由于Service不会主动上报任何消息，全部都Client请求获得

由于Service使用| 符号进行分割，请Client限制user不得输入 |

Client 在发送数据到Service在末尾加上\n

Service在发生数据到Client在末尾加上\r\n\r\n

对于Client:

Request请求数据

对于Service都是需要返回结果的：

Confirm

所有功能遵守以下格式

Client:

Request|Function|Parameter

Service:

Confirm|Function|Parameter

以下针对所有功能进行数据规定：

1. 登陆账号密码

Client 发送账号格式如下：Request |Login

Service 返回格式如下：Confirm|Login|user name|Password

例如：

Client:

Request|Login

Service:

Confirm|Login|zhangsan|123456

修改密码和账户：

Client:

Request|SetAccountInfo|username|password

Service:

Confirm|SetAccountInfo|result

Note: result is 0 or 1, 0 means fail ,1 means success

名称和密码的有效性需要Client端检查，如内容为空，特殊符号等

1. 连接用户列表

Client:

Request|Connect\_Customer

Service:

Confirm|Connect\_Customer|Total|id|DeviceName|MAC |IP|DeviceName| MAC |IP …

3. 设备信息

Client:

Request|DeviceInfo

Service:

Confirm|DeviceInfo|SimcardNumber|IMEI|IMSI|SSID|max connect customer number| IP address|MAC address |firmware version|HW version

Note : WAN IP , software from Client

4 流量限制

Client

Request|DataLimit|parameter

Parameter的单位为Byte,如果要设置为5M: Request|DataLimit|5000000

Service:

Confirm|DataLimit|result

Note: result is 0 or 1, 0 means fail ,1 means success

5. 流量统计

Client

Request|DataStatic

Service

Confirm|DataStatic|used data|limit data

Limit data为-1表示没有设置限制

6.网络制式设置

Client

Request|SetNetworkType|parameter

Service:

Confirm|SetNetworkType|result

Note: result is 0 or 1, 0 means fail ,1 means success

获取网络制式

Client

Request | GetNetworkType

Service

Confirm| GetNetworkType|networkType

备注：网络模式在传输过程中采用数字，对应关系如下，

NETWORK\_MODE\_WCDMA\_PREF = 0; /\* GSM/WCDMA (WCDMA preferred) \*/

NETWORK\_MODE\_GSM\_ONLY = 1; /\* GSM only \*/

NETWORK\_MODE\_WCDMA\_ONLY = 2; /\* WCDMA only \*/

NETWORK\_MODE\_GSM\_UMTS = 3; /\* GSM/WCDMA (auto mode, according to PRL)

AVAILABLE Application Settings menu\*/

NETWORK\_MODE\_CDMA = 4; /\* CDMA and EvDo (auto mode, according to PRL) AVAILABLE Application Settings menu\*/

NETWORK\_MODE\_CDMA\_NO\_EVDO = 5; /\* CDMA only \*/

NETWORK\_MODE\_EVDO\_NO\_CDMA = 6; /\* EvDo only \*/

NETWORK\_MODE\_GLOBAL = 7; /\* GSM/WCDMA, CDMA, and EvDo (auto mode, according to PRL) AVAILABLE Application Settings menu\*/

NETWORK\_MODE\_LTE\_CDMA\_EVDO = 8; /\* LTE, CDMA and EvDo \*/

NETWORK\_MODE\_LTE\_GSM\_WCDMA = 9; /\* LTE, GSM/WCDMA \*/

NETWORK\_MODE\_LTE\_CDMA\_EVDO\_GSM\_WCDMA = 10; /\* LTE, CDMA, EvDo, GSM/WCDMA \*/

NETWORK\_MODE\_LTE\_ONLY = 11; /\* LTE Only mode. \*/

NETWORK\_MODE\_LTE\_WCDMA = 12; /\* LTE/WCDMA \*/

NETWORK\_MODE\_TDSCDMA\_ONLY = 13; /\* TD-SCDMA only \*/

NETWORK\_MODE\_TDSCDMA\_WCDMA = 14; /\* TD-SCDMA and WCDMA \*/

NETWORK\_MODE\_LTE\_TDSCDMA = 15; /\* TD-SCDMA and LTE \*/

NETWORK\_MODE\_TDSCDMA\_GSM = 16; /\* TD-SCDMA and GSM \*/

NETWORK\_MODE\_LTE\_TDSCDMA\_GSM = 17; /\* TD-SCDMA,GSM and LTE \*/

NETWORK\_MODE\_TDSCDMA\_GSM\_WCDMA = 18; /\* TD-SCDMA, GSM/WCDMA \*/

NETWORK\_MODE\_LTE\_TDSCDMA\_WCDMA = 19; /\* TD-SCDMA, WCDMA and LTE \*/

NETWORK\_MODE\_LTE\_TDSCDMA\_GSM\_WCDMA = 20; /\* TD-SCDMA, GSM/WCDMA and LTE \*/

NETWORK\_MODE\_TDSCDMA\_CDMA\_EVDO\_GSM\_WCDMA = 21; /\*TD-SCDMA,EvDo,CDMA,GSM/WCDMA\*/

NETWORK\_MODE\_LTE\_TDSCDMA\_CDMA\_EVDO\_GSM\_WCDMA = 22; /\* TD-SCDMA/LTE/GSM/WCDMA, CDMA, and EvDo \*/

7. APN设置（包括APN的显示和设置）

对于 APN显示：

Client：

Request|ApnShow

Service：

Confirm|ApnShow|apn name|apn|mcc|mnc|Security type|admin|password|apn name|apn|mcc|mnc|Auth type|username|password

备注：第一个apn为当前选择的apn

修改当前使用的apn

Client:

Request|ApnChange|apn

Service:

Confirm|ApnChange|result

Note: result is 0 or 1, 0 means fail ,1 means success

新增APN

Client:

Request|ApnAdd|apn name|apn|mcc|mnc|Auth type|username|password

Service:

Confirm|ApnAdd|result

Note: result is 0 or 1, 0 means fail ,1 means success

备注：授权方式在传输过程中采用数字，对应关系如下，如果没有设置，其值为空

0：None 1: PAP 2: CHAP 3:PAP or CHAP

8. WIFI 设置：

WIFI 显示：

Client：

Request|WIFIShow

Service:

Confirm|WIFIShow|SSID|SSID show or hide|security mode|password|max customer number

WIFI 设置：

Client：

Request|WIFISetting|SSID|SSID show or hide|security mode|password|max customer number

Service:

Confirm|WIFISetting|result Note: result is 0 or 1, 0 means fail ,1 means success

Note：”SSID show or hide” is false or true , false means hide , true means show

“Security mode” is 0,1,2 ，0 means open ， 1 means WPA\_PSK，2 means WPA\_PSK2

Max customer is number，the number is from 1 to 10

9. 重启设置

Client:

Request|ReBoot

Service:

Confirm|ReBoot|result

Note: result is 0 or 1, 0 means fail ,1 means success

10. 恢复出厂设置

Client：

Request|ReFactory

Service:

Confirm|ReFactory|result

Note: result is 0 or 1, 0 means fail ,1 means success

11. 断开数据业务

Client:

Request|CloseData

Service|ColseData|result

Note: result is 0 or 1, 0 means fail ,1 means success

12. 图标显示

Client:

Request|Common

Service: Confirm|Common|MaxconnectedCustomer|unreadsms|Battery|networkType|SPN|RSRP

13. 语言设置：

获取语言设置

Client：

Request|GetLanguage

Service：

Confirm| |GetLanguage|Language

Note：Language: 1 means Chinese , 0 means English

设置语言：

Client:

Request|SetLanguage|language

Service|SetLanguage|result

Note： Language : 1 means Chinese , 0 means English

result is 0 or 1, 0 means fail ,1 means success

14. 短信界面

1. 获取短信

Request|Getsms|page number

Confirm|GetSms|total|id|addr|body|time|flag

Note : every page show ten Sms

2.设置短信已读

Request|CleanFlag|id

Confirm|CleanFlag|result

Note: the id means database id

3.删除短信

Request|Delete|id1|id2

Confirm|Delete|result

4.发送短信

Request|SendSms|addre|body

Confirm|SendSms|result