# 设备rpc协议

## 数据帧格式定义

|  |  |  |
| --- | --- | --- |
| 字节序号 | 说明 | 取值 |
| [0:1] | 帧头 | 0xE11E |
| [2:4] | 帧长度 | max 16MB |
| [5] | 帧序列号 | 0~255 |
| [6] | 帧类型 | 0: ping  1: pong  2: ack  3: req  4: res  5: simple-req  6: simple-res  7: notify  8: notify-ack |

Ping/Pong/ACK 没有数据内容 只有8个字节

## req/simple-req/notify/notify-ack定义

|  |  |  |
| --- | --- | --- |
| 字节序号 | 说明 | 取值 |
| [0] | cmd | / |

## res/simple-res 定义

|  |  |  |
| --- | --- | --- |
| 字节序号 | 说明 | 取值 |
| [0] | cmd | / |
| [1] | ec | 0: 成功  1: 失败 |

## 设备登陆

客户端开机启动/断线重连后 连接服务器

cmd = 1

参数

|  |  |
| --- | --- |
| 参数 | 类型 |
| mac\_addr | string |
| app\_version | string |
| mcu\_version | string? |
| coin\_info | object? |
| bill\_info | object? |

coin\_info/bill\_info

|  |  |
| --- | --- |
| 参数 | 类型 |
| mac\_addr | string |
| app\_version | string |
| mcu\_version | string? |
| coin\_info | object? |
| bill\_info | object? |