新模块配置参考文档：

1. 串口设备，客户端配置：

每个串口设备都需要设置配置文件，按照下面格式。

格式不可写错，会导致设备出错。

config

<style:uartc>

<startup:AA20DBFB0000000000020201FFFFFFFFFFFFFFFFFFFFFF00FFFF00FFFFFFFFFF17>

<sdorder:AA20DBFB0000000000020200FFFFFFFFFFFFFFFFFFFFFF00FFFF00FFFFFFFFFF18>

<1:AA20DBFB00000000000202FF01FF09052001030303000000FFFF00FFFFFFFFFFD6>

<2:AA20DBFB00000000000202FF01FF02052001030100010100FFFF00FFFFFFFFFFE0>

<3:AA20DBFB00000000000202FF01FF03052001030003010100FFFF00FFFFFFFFFFDD>

<4:AA20DBFB00000000000202FF01FF03052001030103010100FFFF00FFFFFFFFFFDC>

<5:AA20DBFB00000000000202FF01FF03052003030103010100FFFF00FFFFFFFFFFDA>

<6:AA20DBFB00000000000202FF01FF16000100040000000000FFFF0000FFFFFFFFF2>

<7:AA20DBFB00000000000202FF01FF03052101030000010100FFFF0000FFFFFFFFDE>

参数详解：

config：固定格式,不用管，代表为配置文件。

style:设置是串口扫码还是串口扫码加投币。

例子:<style:uartc>设置串口扫码投币

<style:uart>设置串口扫码

time：延时时间，单位毫秒

<time:800>

startup：开机指令

<startup:AA20DBFB0000000000020201FFFFFFFFFFFFFFFFFFFFFF00FFFF00FFFFFFFFFF17>

boot：代表设备进入工作状态

length：判断启动指令的长度，code：判断启动指令代码，start\_dest：开始位置，end\_dest：结束位置

<boot:length=26,code=0102,start\_dest=22,end\_dest=26>

shutdown：代表设备工作完成状态，参数同上

<shutdown:length=26,code=040000,start\_dest=20,end\_dest=26>

价格：十六进制指令1、2、3代表1元2元3元以此类推。

<1:AA20DBFB00000000000202FF01FF09052001030303000000FFFF00FFFFFFFFFFD6>

<2:AA20DBFB00000000000202FF01FF02052001030100010100FFFF00FFFFFFFFFFE0>

<3:AA20DBFB00000000000202FF01FF03052001030003010100FFFF00FFFFFFFFFFDD>

<4:AA20DBFB00000000000202FF01FF03052001030103010100FFFF00FFFFFFFFFFDC>

<5:AA20DBFB00000000000202FF01FF03052003030103010100FFFF00FFFFFFFFFFDA>

<6:AA20DBFB00000000000202FF01FF16000100040000000000FFFF0000FFFFFFFFF2>

<7:AA20DBFB00000000000202FF01FF03052101030000010100FFFF0000FFFFFFFFDE>

2．串口设备，服务端设置

http://aliyun-iot.oss-cn-hangzhou.aliyuncs.com/iot-sdk-c/RELEASED\_V2\_10\_20180331.7z?spm=a2c4g.11186623.2.11.E3G9Ev&file=RELEASED\_V2\_10\_20180331.7z

设置传输MQTT：Qos = 0

1. 有延时时间的格式：

格式如下:

<time:1000,hex1:AA20DBFB0000000000020201FFFFFFFFFFFFFFFFFFFFFF00FFFF00FFFFFFFFFF17,hex2:AA20DBFB00000000000202FF01FF09052001030303000000FFFF00FFFFFFFFFFD6,wtime:0>

<time:1000,hex1:AA20DBFB0000000000020201FFFFFFFFFFFFFFFFFFFFFF00FFFF00FFFFFFFFFF17,hex2:AA20DBFB00000000000202FF01FF02052001030100010100FFFF00FFFFFFFFFFE0,wtime:0>

AA20DBFB0000000000020200FFFFFFFFFFFFFFFFFFFFFF00FFFF00FFFFFFFFFF18

<time:1000,hex1:AA20DBFB0000000000020201FFFFFFFFFFFFFFFFFFFFFF00FFFF00FFFFFFFFFF17,hex2:AA20DBFB00000000000202FF01FF02052001030100010100FFFF00FFFFFFFFFFE0,wtime:100>

time:延时时间，单位毫秒

hex1:开机指令

hex2:让设备执行的十六进制

1. 无延时时间的格式：

直接填写设备执行的十六进制

如：AA20DBFB00000000000202FF01FF09052001030303000000FFFF00FFFFFFFFFFD6

MQTT QOS=0，一些参数如下

reboot,让远程设备重启

get\_uart\_status, 获取串口设备是否在工作，GET请求为true代表不在工作，false代表正在工作中，或者为离线状态

myhttp.httpclient:request("GET","/index.php/api/getdata/getcommand?".."id="..misc.getimei().."&working="..tostring(myuart.uart\_working),{},"",getuartstatuscb)

get\_gpio\_status, 获取脉冲设备是否在工作，GET请求为true代表不在工作，false代表正在工作中，或者为离线状态

myhttp.httpclient:request("GET","/index.php/api/getdata/getcommand?".."id="..misc.getimei().."&working="..tostring(pincfg.gpio\_working),{},"",getgpiostatuscb)

get\_iccid,获取设备iccid，此参数为调试使用，发布可忽略。

3.脉冲客户端配置

脉冲客户端无需任何配置（脉冲投币加扫码，脉冲扫码），直接装模块即可

4.脉冲服务端配置

<time:1000,hex1: AA0102010A0400BC,hex2:AA0202010A0A00C3,wtime:0>

格式详解：

time:（值）可随便写，此处为了兼容uart格式。

hex1:此处填写所发多少个脉冲

hex2:（值）可随便写，也是为了兼容uart格式。

下面的介绍可忽略。

脉冲投币格式：无

脉冲扫码格式：AA0102010A0400BC（直接发指令）

第一条指令：AA0102010A0400BC，拆解如下

|  |  |  |
| --- | --- | --- |
| AA：帧头 | 0 | 0xAA |
| 01：脉冲信号通道选择 | 1 | 0x00 待机中 0x01: 第一通道脉冲信号输出 0x02: 第二通道脉冲信号输出 |
| 02：脉冲信号默认的电平状态 | 2 | 0x00 待机中 0x01: 默认高电平 0x02: 默认低电平 |
| 01：脉冲信号输出次数 | 3 | 0x00 待机中 0-250次，脉冲输出的次数 0x0a 10次脉冲 |
| 0A：脉冲信号默认电平的时间 | 4 | 0x00 待机中 0-250，XXx10ms 0x0a=100ms |
| 04：脉冲信号默认电平相反的时间 | 5 | 0x00 待机中 0-250，信号的时间x10ms 0x0a=100ms |
| 00：预留 | 6 |  |
| BC：校验 | 7 | 校验和 |

--[[

GPIO：

AA01020F0A0400CA|AA0202010A0A00C3 15

AA01020E0A0400C9|AA0202010A0A00C3 14

AA01020D0A0400C8|AA0202010A0A00C3 13

AA01020C0A0400C7|AA0202010A0A00C3 12

AA01020B0A0400C6|AA0202010A0A00C3 11

AA01020A0A0400C5|AA0202010A0A00C3 10

AA0102090A0400C4|AA0202010A0A00C3 9

AA0102080A0400C3|AA0202010A0A00C3 8

AA0102070A0400C2|AA0202010A0A00C3 7

AA0102060A0400C1|AA0202010A0A00C3 6

AA0102050A0400C0|AA0202010A0A00C3 5

AA0102040A0400BF|AA0202010A0A00C3 4

AA0102030A0400BE|AA0202010A0A00C3 3

AA0102020A0400BD|AA0202010A0A00C3 2

AA0102010A0400BC

<time:1000,hex1:AA0102010A0400BC,hex2:AA0202010A0A00C3,wtime:0> 1

]]

config

<style:haierc>

<1:FFFF1A0000000000006000011C000000000000FE0064FE0000000000F7>

<2:FFFF1A0000000000006000010F000000000000FE0064FE0000000000EA>

<3:FFFF1A00000000000060000105000000000000FE0064FE0000000000E0>

<4:FFFF1A0000000000006000010B000000000000FE0064FE0000000000E6>

<5:FFFF1A0000000000006000010500000000001EFE0064FE0000000000FE>

取消工作: FFFF0A000000000000014D136B

关机: FFFF0A000000000000014D035B

Pulsator\_uart

config

<style:pul\_uartc>

<1:AA1EDAC400000000000202FF01FF1BFFFF00FFFFFFFFFFFFFFFFFFFFFFFF34>

<2:AA1EDAC400000000000202FF01FF01FFFF00FFFFFFFFFFFFFFFFFFFFFFFF4E>

<3:AA1EDAC400000000000202FF01FF00FFFF00FFFFFFFFFFFFFFFFFFFFFFFF4F>

<4:AA1EDAC400000000000202FF01FF12FFFF00FFFFFFFFFFFFFFFFFFFFFFFF3D>

设备开机

AA1EDAC40000000000020201FFFFFFFFFF00FFFFFFFFFFFFFFFFFFFFFFFF50

设备关机

AA1EDAC40000000000020200FFFFFFFFFF00FFFFFFFFFFFFFFFFFFFFFFFF51

桶自洁

AA1EDAC400000000000202FF01FF1EFFFF00FFFFFFFFFFFFFFFFFFFFFFFF31

单脱水10分钟

AA1EDAC400000000000202FF01FF1BFFFF00FFFFFFFFFFFFFFFFFFFFFFFF34

小件洗25分钟

AA1EDAC400000000000202FF01FF01FFFF00FFFFFFFFFFFFFFFFFFFFFFFF4E

普通洗35分钟

AA1EDAC400000000000202FF01FF00FFFF00FFFFFFFFFFFFFFFFFFFFFFFF4F

超强洗45分钟

AA1EDAC400000000000202FF01FF12FFFF00FFFFFFFFFFFFFFFFFFFFFFFF3D