

Cube 接口文档

	固定头: PHONE_CUBE_PROTOCOL	加密算法(1 Bytes) (0:不加密, 1:chacha 加密)	Body length(4 Bytes)
body	Json protocol		

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协议 BODY 定义

1) 字段名

Json 格式

Name	Value	备注
msgid		
action		
sub action		
cubeid	最大 20 个字符	Cube ID 号
cubepwd	6~20 字符	Cube 密码
cubeoldpwd	6~20 字符	修改 cube 密码时用于传输 cube 的旧密码
cloudid	11 位手机号码或者是最大 64 个字符的邮箱	cloud ID 号
cloudpwd	6~20 字符	cloud 密码
moduletype		
modulemacaddr	**.**.**.**.**.**	要控制的小模块的 mac 地址

moduleipaddr		
moduleserialnum		string
machinetype		
devicetype	sensor,maia2 airconditon;thermostat;ventilation;	
looptype	light;curtain;sensor; relay; 5804EU,5816EU,5800-PIR- AP;airconditon;thermostat;ventilatio n;	
brandname	dakin;mit; dakin_dta116A621, dakin_r4r5, toshiba_tcb-ifmb640tle, york_yvoh- a_bas htc961d3200, ecc_dt300, simens_rdf302	
aliasname		别名
subdevtype		
roomname		房间名
errorcode	0~65535 0:ok ;other:error	应答错误码
moduleloopmap		用于传输多个模块时标识数组
deviceloopmap		用于同时配置多路设备时标识数组
sparklightloopmap		
bacnetloopmap		
irloopmap		
485loopmap		
relayloopmap		

alarmzoneloopmap		
maialoopmap		
deviceid		
slaveaddr	1~15	
loopnum		回路数
loopid	0~255	回路 ID
maskid	1~255	Sparklighting 系统的子网 id
portid	1,2	485 串口 id
portrate		串口波特率
cubebacnetid	1~255	cube 作为 bacnet 设备时的 ID 号
bacnetdeviceid	1~255	所连接 bacnet 网关的 ID 号
settemp	0~100	设定温度
currenttmp	0~100	当前温度
mode	空调: cooling; heating; ventilation; dehumidifying; auto 温控器: comfort; economy; protection	空调运行模式
fanspeed	low,middle,high	风速
status	on;off;opening ;closing;stopped open;normal;close	开关状态
openpercent	0~100	灯光窗帘调节百分比
zonetype	24hours;instant;delay	防区类型
alarmtimer	0~255	防区延时时间，当 zonetype 设定为 delay 时， 这个字段有效，

alarmenable	on;off	
armtype	outdoor;indoor;sleep	
isarm	arm,disarm	
securitypwd		场景切换时的密码验证
alarmtype	fire,help, gas, thief	
alarmmsgid		
time		
rtspurl		
airtype	main;sub	
currenttime	**.**	当前时间
currentco2		二氧化碳值
currentpm2_5		PM2.5 值
currenthumid		湿度
hnsserveraddr		HNS ip address
callmsg	incomingcall,takecall,terminatecall,o pendoor,elevator	通话消息
calltype	lobby,guard,doorcamera,neighbour	通话类型
callsessionid		
videoport		视频端口
audioport		音频端口
videocodectype	pcmu,pcma	视频 codec 类型
audiocodectype	h.264	音频 codec 类型
videoratio		分辨率
takecallipaddr		
dooropentype	key,password,finger,id card,gateway	
dooropenway	front,back	

dooropenrole	man,woman,child,nurse,friend,relation,old	
dooropenid		
uuid		
ipctype	Hdc,phoneix	
ipcsrc	community,home	
ipcurl		
ipcusername		
ipcpassword		
ipcloopmap		
disturbtype	disturb,undisturb	
keytype	power,volume,pitch,source,switchsong,mute;status;singlecycle,songname,songinfo,playtime,allplaytime,songdir	
keyvalue	on, off, high, low, up,down,treble, bass	
keytypeloop		
version	2.1.0	版本号
upgradetype	cloud,sdcard,harddisk	升级包来源
controltype		
configdata		
configtype	add,delete,modify	
scenarioid		
primaryid	手机请求的唯一的代表 module 或者 loop 的 id	
responseprimaryid	cube 存储后返回给手机的唯一的	

	module 或者 loop 的 id	
Keytype	报警类型,如 fire, help, emergency	
keyvalue	报警事件, 如 normal, trigger	
securityscenarioid	安防场景号	
callsessionid	Sessionid	
controltype	新风控制的模块类型, 如 relay	
cycletype	新风循环类型, 内循环, 外循环	
humidity	新风加湿	
dehumidity	新风除湿	
inner	内循环	
outside	外循环	

action:

value	value	备注
request	0x01	请求
response	0x02	应答
event	0x03	事件

Sub action:

value	备注
setdevice	控制信息
readdevice	读取信息
configmodule	配置模块信息

configdevice	配置子设备信息
getdeviceconfigconfig	获取配置信息
getnewmodulelist	获取新发现模块信息
deletedevice	删除信息
alarminfo	报警
arm	撤布防
ipcmonitor	摄像头监控
call	通话
upgrade	升级
disturb	防打扰
scenariocontrol	场景控制
hdmicontrol	HDMI 控制
register	APP 登陆 cube
heartbeat	心跳包
configbackup	备份
configrecovery	恢复
configvoicerecognize	备注语音助手
scenariocontrol	场景控制
discovermodule	发现
playipc	播放 ipc
getsecuritystatus	获取安防状态
ipvdpggetDisplayinfo	Ipvdg 获取参数
replacedevice	替换设备
getarmzoneconfig	获取防区信息
getscenarioconfig	获取场景信息

gettriggerruleconfig	获取规则信息
getscheduleruleconfig	获取计划信息
subphoneinfo	获取分机信息
getweather	获取天气

2) 模块类型

Module type:

value	备注
485	485 设备
bacnet	Bacnet 空调
sparklighting	Sparklighting 系统
wiredzone	有线防区
315M433M	315M/433M
ipc	Ip camera
ir	红外设备
relay	继电器模块
air	无线空气探测
ipvdp	ipvdp
nfc	
backaudio	
Cube	
digitallock	门锁
elevator	电梯
alarmzone	防区
scenario	场景
scenariotrigger	规则

schedulerule	计划
room	房间
ipvdplck	门锁
ventilation	新风

1. APP 登陆 cube&心跳

1) APP 用 cubeid 登陆 cube

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "request" "subaction": "register" "cubeid": "1324545" "cubepwd": "29u4rji" }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "response" "subaction": "register" "errorcode": 0 }

2) 心跳包

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"request" "subaction":" heartbeat" }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"response" "subaction":" heartbeat" "errorcode":0 }

3) 修改 cube 登陆密码

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"request" "subaction":" configmodule" "moduletype":"cube" "cubeid":"1324545" "cubeoldpwd":"29u4rji" }

	<pre>"cubepwd": "jowjeoiu2o0" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": " configmodule" "moduletype": "cube" "errorcode": 0 }</pre>

4) 配置 cube 别名

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" "subaction": " configmodule" "moduletype": "cube" "cubeid": "1324545" "aliasname": "我的家" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "response" "subaction": "configmodule" "moduletype": "cube" "errorcode": 0 }

5) APP 获取 cube 所有配置信息

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "request" "subaction": "getdeviceconfig" "moduletype": "cube" "version": "0" }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "response" "subaction": "getdeviceconfig"

	<pre>securitypwd":"123456" "scenarioid":1 "armstaus":1 "aliasname":"cube" "errorcode":0 "moduletype":"cube" "version":"220" "securityscenarioid":1, "voicerecognizestatus":1, "moduleipaddr":"192.168.31.107", "modulemacaddr":"00:1f:55:2a:00:08", "moduleversion":" 0.0.9" "configdata":[{"cubebase":[{"_id":1,"conf_value":"001F552A0008","conf_name":"CUBE_ID"}, ], {"peripheraldevice":[{"port":9000,"isonline":1,"isconfig":1,"mac_addr":"C8:93:46:8 0:07:6B","ip_addr":"192.168.32.119","_id":1,"name":"HEJ-RELAY- 4_80076B","type":6,"version":"0.0.8.2418"},.....]}, {"ipvdinfo":[{"_id":1,"dev_id":10,"hnsserveraddr":"192.168.32.192","deviceid":8}]},{backaudiodevice":[]}, {"sparklightingloopmap":[{"loop_type":1,"sub_dev_id":1,"roomid":1,"loop_id":1,"s ub_dev_type":"HBL5-D0206","_id":1,"dev_id":12,"room_name":"主臥 ","loop_name":"light 1","is_enable":1},...], '''] }</pre>

6) 发现新模块通知

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "action": "event" "subaction": "configmodule" "configtype": "add" }

7) APP 获取新发现小模块信息

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "request" "subaction": "getnewmodulelist" }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "response" "subaction": "getnewmodulelist" "errorcode": 0 moduleloopmap [{

	<pre>"moduletype": "485" "modulemacaddr": "12.23.45.65.67.86" "moduleipaddr": "192.168.1.50" }, { "moduletype": "backaudio", "moduleserialnum": "12e45f65w67dd86", "aliasname": "BackAudioName", "machinetype": 102, "isonline": 0, "loopnum": 6 }, { "moduletype": "relay" "modulemacaddr": "12.23.45.65.67.86" "moduleipaddr": "192.168.1.50" },] }</pre>

8) IPVDP 获取 cube 配置信息

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" "subaction": "getdeviceconfigpvdp" "moduletype": "cube" "version": "0"</pre>

	}

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"response" "subaction":" getdeviceconfigpvdv" "errorcode":0 "moduletype":"cube" "version":"220" "Configdata":""(与手机获取配置类似) }

9) 设置 CubeBase 社区网络

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894", "action":"request", "subaction":" configmodule", "moduletype":"cube", "configtype":"ethernet", "ethmode":"manual/dhcp", "ethname":"eth0/eth1" , // currently only support eth1 "ethip":"10.2.2.5", "ethmask":"255.0.0.0", "ethgw":"10.0.0.1", }

	<pre>"ethdns1": "10.0.0.1", "ethdns2": "10.0.0.2", }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894", "action": "response", "subaction": "configmodule", "moduletype": "cube", "configtype": "ethernet", "errorcode": 0, }</pre>

10) 修改 cube 安防密码

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" "subaction": "configsecurity" "moduletype": "cube" "oldpwd": "123456" "newpwd": "111222" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"response" "subaction":"configsecurity" "moduletype":"cube" "securityoldpwd":"123456" "securitynewpwd":"111222" "errorcode":0 }

2.空调温控器控制

1) 配置 485 模块

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"request" "subaction":" configmodule" "configtype":"add" "moduletype":"485" "modulemacaddr":"12.23.45.65.67.86" }

	<pre>"moduleipaddr": "192.168.1.50" "aliasname": "485 设备" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": "configmodule" "errorcode": 0 "moduletype": "485" "modulemacaddr": "12.23.45.65.67.86" "moduleipaddr": "192.168.1.50" "aliasname": "485 设备" "responseprimaryid": 199 }</pre>

2) 修改 485 模块

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" "subaction": "configmodule" "configtype": "modify" "moduletype": "485" "primaryid": 100 }</pre>

	<pre>"aliasname": "485 设备 modify" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": "configmodule" "configtype": "modify" "moduletype": "485" "errorcode": 0 "primaryid": 100 "aliasname": "485 设备 modify" }</pre>

3) 删除 485 模块

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" "subaction": "configmodule" "configtype": "delete" "moduletype": "485" }</pre>

	<code>"primaryid":100</code> <code>}</code>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"request" "subaction":"configmodule" "configtype":"delete" "errorcode":0 "moduletype":"485" "primaryid":100 }

4) 配置 485 空调

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"request" "subaction":" configdevice" "moduletype":"485" "configtype":"add" "primaryid":100 (外围设备表的 id) "looptype":"aircondition" "brandname":"dakin"

	<pre>"portid":1 "deviceLoopmap": [{ "slaveaddr":2 "loopid":1 "roomid":1 "aliasname": "主卧空调" }, { "slaveaddr":2 "loopid":2 "roomid":2 "aliasname": "客卧空调" },] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": "configdevice" "moduletype": "485" "primaryid": 100 "looptype": "aircondition" "brandname": "dakin" }</pre>

	<pre>"portid":1 "deviceLoopmap": [{ "slaveaddr":2 "loopid":1 "responseprimaryid":199 (loop 的唯一 id, 64 位 long 类型) "roomid":1 "aliasname": "主卧空调" "errorCode":0 }, { "slaveaddr":2 "loopid":2 roomid:2 "aliasname": "客卧空调" "errorCode":0 "responseprimaryid":200 (loop 的唯一 id, 64 位 long 类型) },] }</pre>

5) 修改 485 空调

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request"</pre>

	<pre>"subaction": "configdevice" "moduletype": "485" "configtype": "modify" "deviceLoopmap": [{ "primaryid": 199 (loop 的唯一 id, 64 位 long 类型) "roomId": 1 "aliasname": "主卧空调 modify" },] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": "configdevice" "moduletype": "485" "configtype": "modify" "deviceLoopmap": [{ "primaryid": 199 (loop 的唯一 id, 64 位 long 类型) "roomId": 1 "aliasname": "主卧空调 modify" },], }</pre>

] }

6) 删除 485 空调

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "request" "subaction": "configdevice" "moduletype": "485" "configtype": "delete" "deviceloopmap": [{ "primaryid": 199 (loop 的唯一 id, 64 位 long 类型) },] }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "request" "subaction": "configdevice" "moduletype": "485"

	<pre>"configtype": "delete" "modulemacaddr": "12.23.45.65.67.86" "portid": 1 "deviceloopmap": [{ "primaryid": 199 (loop 的唯一 id, 64 位 long 类型) "errorcode": 0 },]</pre>

7) 查询 485 空调状态

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{"action": "request", "subaction": "readdevice", "deviceloopmap": [{"loopid": 1, "brandname": "ecc_o1", "looptype": "aircondition", "modulemacaddr": "00:1F:55:2A:00:74", "slaveaddr": 1, "portid": 1}], "msgid": "28" , "moduletype": "485" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{"action": "response",</pre>

	<pre>"subaction":"readdevice", "deviceloopmap": [{"loopid":1,"brandname":"ecc_o1","looptype":"aircondition","modulemacaddr":" 00:1F:55:2A:00:74","slaveaddr":1,"portid":1, "errorcode":0 "settemp":23 "currenttemp":25 "mode":"cooling" "fanspeed":"middle" "status":"on" }], "msgid":"28" ,"moduletype":"485" }</pre>

8) 设置 485 空调状态

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{"action":"request", "subaction":"setdevice", "deviceloopmap":[{ "fanspeed":"low","loopid":1,"brandname":"ecc_o1","looptype":"aircondition", "modulemacaddr":"00:1F:55:2A:00:74","slaveaddr":1,"status":"on","portid":1,"se ttemp":12,"mode":"cooling" }]</pre>

	<pre>], "msgid":"29", "moduletype":"485" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{"action":"response", "subaction":"setdevice", "deviceloopmap":[{ "fanspeed":"low","loopid":1,"brandname":"ecc_o1","looptype":"aircondition", "modulemacaddr":"00:1F:55:2A:00:74","slaveaddr":1,"status":"on","portid":1,"settemp":12,"mode":"cooling", "errorcode":0 }], "msgid":"29", "moduletype":"485" }</pre>

9) 配置 485 温控器

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"request" "subaction":" configdevice"</pre>

	<pre>"moduletype": "485" "configtype": "add" "primaryid": 100 (外围设备表的 id) "looptype": "thermostat" "brandname": "DT" "portid": 1 "deviceloopmap": [{ "slaveaddr": 1 "roomid": 3 "aliasname": "温控器" }, { "slaveaddr": 2 "roomid": 4 "aliasname": "温控器" }]</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": "configdevice" "moduletype": "485"</pre>

	<pre>"configtype": "add" "primaryid": 100 "looptype": "thermostat" "brandname": "DT" "portid": 1 "deviceLoopmap": [{ "slaveaddr": 1 "roomid": 3 "aliasname": "温控器" "responseprimaryid": 199 (loop 的唯一 id, 64 位 long 类型) "errorCode": 0 }, { "slaveaddr": 2 "roomid": 4 "aliasname": "温控器" "responseprimaryid": 200 (loop 的唯一 id, 64 位 long 类型) "errorCode": 0 }] }</pre>

10) 修改 485 温控器

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{

	<pre>"msgid": "2387r958273894" "action": "request" "subaction": "configdevice" "moduletype": "485" "configtype": "modify" "device loopmap": [{ "primaryid": 100 "roomid": 1 "aliasname": "温控器 modify" }, { "primaryid": 100 "roomid": 1 "aliasname": "温控器 modify" }] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": "configdevice" "moduletype": "485" "configtype": "modify" }</pre>

	<pre>“deviceloopmap”: [{ “primaryid”:100 “roomid”:1 “aliasname”:”温控器 modify” “errorcode”:0 }, { “primaryid”:101 “roomid”:1 “aliasname”:”温控器 modify” “errorcode”:0 }] }</pre>

11) 删除 485 温控器

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ “msgid”:”2387r958273894” “action”:”request” “subaction”:” configdevice” “moduletype”:”485” “configtype”:”delete” “deviceloopmap”: [{</pre>

	<pre>“primaryid”:199（loop 的唯一 id，64 位 long 类型） },] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ “msgid”:“2387r958273894” “action”:“response” “subaction”:“ configdevice” “moduletype”:“485” “configtype”:“ delete” “deviceloopmap”: [{ “primaryid”:199（loop 的唯一 id，64 位 long 类型） “errorcode”:0 },] }</pre>

12）查询温控器状态

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{"action":"request","subaction":"readdevice","deviceloopmap":[{"loopid":3,"brandname":"ecc_o1","looptype":"thermostat", "modulemacaddr":"00:1F:55:2A:00:74","slaveaddr":2,"portid":1}],</pre>

	"msgid":"36","moduletype":"485"}

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "action":"response","subaction":"readdevice","deviceloopmap":[{"loopid":3,"brandname":"ecc_o1","looptype":"thermostat", "modulemacaddr":"00:1F:55:2A:00:74","slaveaddr":2,"portid":1, "errorcode":0 "settemp":23 "currenttemp":25 "fanspeed":"low" "status":"on" "mode":"comfort" }], "msgid":"36","moduletype":"485"}

13) 设置温控器状态

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "action":"request","subaction":"setdevice","deviceloopmap": [{"fanspeed":"low","loopid":3,"brandname":"ecc_o1","looptype":"thermostat", "modulemacaddr":"00:1F:55:2A:00:74","slaveaddr":2,"status":"on","portid":1,"settemp":12,"mode":"cooling"}], "msgid":"37","moduletype":"485"}

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{"action":"request","subaction":"setdevice","deviceloopmap": [{"fanspeed":"low","loopid":3,"brandname":"ecc_o1","looptype":"thermostat", "modulemacaddr":"00:1F:55:2A:00:74","slaveaddr":2,"status":"on","portid":1,"se ttemp":12,"mode":"cooling", "errorcode":0 }], "msgid":"37","moduletype":"485"}</pre>

14) 配置 485 新风

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"request" "subaction":" configdevice" "moduletype":"485" "configtype":"add" "primaryid":100（外围设备表的 id） "deviceloopmap": [{ "slaveaddr":1 "looptype":"ventilation" "brandname":"4in1" "portid":1</pre>

	<pre>"roomid":3 "aliasname":"新风 1" }, { "slaveaddr":2 "looptype":"ventilation" "brandname":"4in1" "portid":1 "roomid":4 "aliasname":"新风 2" }] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"response" "subaction":" configdevice" "moduletype":"485" "configtype":"add" "primaryid":100 "deviceloopmap": [{ "slaveaddr":1</pre>

	<pre>"looptype": "ventilation" "brandname": "4in1" "portid": 1 "roomid": 3 "aliasname": "新风 1" "responseprimaryid": 199 (loop 的唯一 id, 64 位 long 类型) "errorcode": 0 }, { "slaveaddr": 2 "roomid": 4 "looptype": "ventilation" "brandname": "4in1" "portid": 1 "aliasname": "新风 2" "responseprimaryid": 200 (loop 的唯一 id, 64 位 long 类型) "errorcode": 0 }] }}</pre>

15) 查询新风状态(暂不支持)

使用协议 27 进行控制和查询。

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" }</pre>

	<pre>"subaction": "readdevice" "moduletype": "485" "Modulemacaddr": "12.23.45.65.67.86" "looptype": "ventilation" "deviceloopmap": [{ "portid": 1 "loopid": 1 }, { "portid": 1 "loopid": 2 },]]</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": "readdevice" "moduletype": "485" "Modulemacaddr": "12.23.45.65.67.86" "looptype": "ventilation" "deviceloopmap": [</pre>

	<pre>{ "portid":1 "loopid":1 "errorcode":0 "status": "on" }, { "portid":1 "loopid":2 "errorcode":0 "status": "on" },]</pre>

16) 设置新风状态(暂不支持)

使用协议 27 进行控制和查询。

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" "subaction": "setdevice" "moduletype": "485" "Moduledmacaddr": "12.23.45.65.67.86" "looptype": "ventilation" "deviceloopmap": [{</pre>

	<pre>"portid":1 "loopid":1 "status": "on" }, { "portid":1 "loopid":2 "status": "on" },] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": " readdevice" "moduletype": "485" "Modulemacaddr": "12.23.45.65.67.86" "looptype": "ventilation" "deviceloopmap": [{ "portid":1 "loopid":1 "status": "on" "errorcode":0 }</pre>

	<pre>}, { "portid":1 "loopid":2 "status":"on" "errorcode":0 },] }</pre>

17) 配置 485 窗帘(黄浦湾)

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"request" "subaction":" configdevice" "moduletype":"485" "configtype":"add" "primaryid":100（外围设备表的 id） "deviceloopmap": [{ "slaveaddr":1 "looptype":"curtain" "brandname":"huangpuwan" "portid":1 "roomid":3</pre>

	<pre>“aliasname”:”客厅窗帘” }, { “slaveaddr”:2 “looptype”:”curtain” “brandname”:”huangpuwan” “portid”:1 “roomid”:4 “aliasname”:”次卧窗帘” }] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ “msgid”:”2387r958273894” “action”:”response” “subaction”:”configdevice” “moduletype”:”485” “configtype”:”add” “primaryid”:100 “deviceLoopmap”: [{ “slaveaddr”:1 “looptype”:”curtain”</pre>

	<pre>"brandname": "huangpuwan" "portid": 1 "roomid": 3 "aliasname": "客厅窗帘" "responseprimaryid": 199 (loop 的唯一 id, 64 位 long 类型) "errorcode": 0 }, { "slaveaddr": 2 "roomid": 4 "looptype": "curtain" "brandname": " huangpuwan" "portid": 1 "aliasname": "次卧窗帘" "responseprimaryid": 200 (loop 的唯一 id, 64 位 long 类型) "errorcode": 0 }] }}</pre>

18) 485 窗帘控制(黄浦湾)

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{"action": "request", "subaction": "setdevice", "deviceloopmap": [{"macaddr": "12.23.45.65.67.86", "portid": 1, "slaveaddr": 1, "loopid": 1, "looptype": "c urtain" ,status: "opening " } //opening, closing, stopped], "msgid": "10", "moduletype": "485" }</pre>

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head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "action": "request", "subaction": "setdevice", "deviceloopmap": [{"macaddr": "12.23.45.65.67.86", "portid": 1, "slaveaddr": 1, "loopid": 1, "looptype": "curtain", "openclosepercent": 45, "status": " opening "}, "opening, closing, stopped"], "msgid": "10", "moduletype": "485" }

. Bacnet 控制及配置

1) 配置 bacnet 网关

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "request" "subaction": " configmodule" "moduletype": "bacnet" "configtype": "add" "brandname": "dakin" "cubebacnetid": 1 "bacnetdeviceid": 2 "aliasname": "大金 bacnet 网关" }

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head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"response" "subaction":"configmodule" "errorcode":0 "configtype":"add" "looptype":"aircondtion" "brandname":"dakin" "cubebacnetid":1 "bacnetdeviceid":2 "aliasname":"大金 bacnet 网关" "responseprimaryid":199 (loop 的唯一 id, 64 位 long 类型) }

2) 修改 bacnet 网关

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"request" "subaction":" configmodule" "moduletype":"bacnet" "configtype":"modify" "primaryid":2 }

	<pre>"aliasname": "大金 bacnet 网关 modify" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": " configmodule" "errorcode": 0 "configtype": "modify" "primaryid": 2 "aliasname": "大金 bacnet 网关 modify" }</pre>

3) 删除 bacnet 网关

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" "subaction": " configmodule" "moduletype": "bacnet" "configtype": "delete" "primaryid": 2 }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"response" "subaction":" configmodule" "errorcode":0 "configtype":"delete" "primaryid":2 }

4) 添加 bacnet 空调

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"request" "subaction":" configdevice" "moduletype":"bacnet" "primaryid":100（外围设备表的 id） "configtype":"add" "deviceloopmap": [{ "looptype":"aircondtion" "deviceid":1 "loopid":1 "roomid":1 "aliasname":"主卧空调" }] }

	<pre>}, { "deviceid":1 "looptype":"aircondtion" "loopid":2 "roomid":2 "aliasname":"次卧空调" },] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"response" "subaction":" configdevice" "moduletype":" bacnet" "primaryid":100 "configtype":"add" "deviceloopmap": [{ "deviceid":1 "looptype":"aircondtion" "loopid":1 "errorcode":0 "roomid":1</pre>

	<pre>“aliasname”:”主卧空调” “responseprimaryid”:199（loop 的唯一 id，64 位 long 类型） }, { “deviceid”:1 “looptype”:”aircondtion” “loopid”:2 “errorcode”: 0 “roomid”:2 “aliasname”:”次卧空调” “responseprimaryid”:200（loop 的唯一 id，64 位 long 类型） },] }</pre>

5) 修改 bacnet 空调

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ “msgid”:”2387r958273894” “action”:”request” “subaction”:” configdevice” “moduletype”:”bacnet” “configtype”:”modify” “deviceloopmap”: [{ “primaryid”:2</pre>

	<pre>"roomid":3 "aliasname": "主卧空调 modify" }, { "primaryid":3 "roomid":4 "aliasname": "次卧空调 modify" },] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": "configdevice" "moduletype": "bacnet" "configtype": "modify" "deviceloopmap": [{ "primaryid":2 "errorcode":0 "roomid":3 "aliasname": "主卧空调 modify" }, {</pre>

	<pre>"primaryid":3 "errorcode": 0 "roomid":4 "aliasname":"次卧空调 modify" },] }</pre>

6) 删除 bacnet 空调

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"request" "subaction":" configdevice" "moduletype":"bacnet" "configtype":"delete" "deviceloopmap": [{ "primaryid":2 "loopid":1 }, { "primaryid":3 "loopid":2 },] }</pre>

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head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "response" "subaction": "configdevice" "moduletype": "bacnet" "bacnetdeviceid": 2 "configtype": "delete" "deviceloopmap": [{ "primaryid": 2 "errorcode": 0 }, { "primaryid": 3 "errorcode": 0 },] }

7) 查询 bacnet 空调状态

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894"

	<pre>"action": "request" "subaction": "readdevice" "moduletype": "bacnet" "bacnetdeviceid": 2 "deviceloopmap": [{ "deviceid": 1 "loopid": 1 }, { "deviceid": 1 "loopid": 2 },] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": "readdevice" "moduletype": "bacnet" "bacnetdeviceid": 2 "deviceloopmap": [</pre>

	<pre>{ "deviceid":1 "loopid":1 "errorcode":0 "settemp":23 "currenttemp":25 "mode":cooling "fanspeed":low "status":on }, { "deviceid":1 "loopid":2 "errorcode":0 "settemp":23 "currenttemp":25 "mode":cooling "fanspeed":high "status":on },] }</pre>

8) 设置 bacnet 空调状态

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":2387r958273894 "action":request }</pre>

	<pre>"subaction": "setdevice" "moduletype": "bacnet" "bacnetdeviceid": 2 "deviceloopmap": [{ "deviceid": 1 "loopid": 1 "settemp": 23 "currenttemp": 25 "mode": "cooling" "fanspeed": "middle" "status": "on" }, { "deviceid": 1 "loopid": 2 "settemp": 23 "currenttemp": 25 "mode": "cooling" "fanspeed": "middle" "status": "on" },] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
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body	<pre>{ "msgid":"2387r958273894" "action":"response" "subaction":" setdevice" "moduletype":"bacnet" "bacnetdeviceid":2 "deviceloopmap": [{ "deviceid":1 "loopid":1 "errorcode":0 }, { "deviceid":1 "loopid":2 "errorcode":0 },] }</pre>

4.sparklight 配置及控制

1) 配置 sparklight 系统

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"request", "subaction":" configmodule" "moduletype":"sparklighting" "moduleipaddr":"192.168.1.50" "maskid":1 "configtype":"add" "aliasname":"灯光系统 1" }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"response" "subaction":" configmodule" "errorcode":0 "moduletype":" sparklighting" "moduleipaddr":" 192.168.1.50" "maskid":1 "configtype":"add" "aliasname":"灯光系统 1" "responseprimaryid":199 (loop 的唯一 id, 64 位 long 类型) }

2) 修改 sparklight 系统

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"request", "subaction":"configmodule" "moduletype":"sparklighting" "configtype":"modify" "primaryid":3 "aliasname":"灯光系统 1modify" }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"response" "subaction":" configmodule" "errorcode":0 "moduletype":" sparklighting" "primaryid":3 "configtype":"modify" "aliasname":"灯光系统 1modify" }

3) 删除 sparklighting 系统

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"request", "subaction":" configmodule" "moduletype":"sparklighting" "primaryid":2 "configtype":"delete" }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"response" "subaction":" configmodule" "errorcode":0 "moduletype":" sparklighting" "primaryid":2 "configtype":"delete" }

4) 配置 sparklight 系统灯光

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"request",

	<pre>“subaction”:” configdevice” “moduletype”:”sparklighting” “primaryid”:100（外围设备表的 id） “configtype”:”add” “deviceid”:6 “subdevtype”:” HBLS-D0206” “deviceloopmap” [{ “loopid”:1 “looptype”:”light” “roomid”:1 “aliasname”:”桌前灯” }, { “loopid”:2 “looptype”:”light” “roomid”:3 “aliasname”:”镜前灯” }] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ “msgid”:”2387r958273894” “action”:”response” }</pre>

	<pre>"subaction": "configdevice" "moduletype": "sparklighting" "primaryid": 100 "configtype": "add" "deviceid": 6 "deviceloopmap" [{ "loopid": 1 "errorcode": 0 "looptype": "light" "roomid": 1 "aliasname": "桌前灯" "responseprimaryid": 199 (loop 的唯一 id, 64 位 long 类型) }, { "loopid": 2 "errorcode": 0 "looptype": "light" "roomid": 3 "aliasname": "镜前灯" "responseprimaryid": 200 (loop 的唯一 id, 64 位 long 类型) }] }</pre>

4) 修改 sparklight 系统灯光

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"request", "subaction":"configdevice" "moduletype":"sparklighting" "configtype":"modify" "deviceloopmap" [{ "primaryid":3 "roomid":1 "aliasname":"桌前灯 modify" }, { "primaryid":4 "roomid":1 "aliasname":"镜前灯 modify" }] }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"response" }

	<pre>“subaction”:” configdevice” “moduletype”:” sparklighting” “configtype”:” modify” “device loopmap” [{ “primaryid”:3 “errorcode”:0 “roomid”:1 “aliasname”:” 桌前灯 modify” }, { “primaryid”:4 “errorcode”:0 “roomid”:1 “aliasname”:” 镜前灯 modify” }] }</pre>

5) 删除 sparklighting 系统灯光

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ “msgid”:”2387r958273894” “action”:”request”, “subaction”:” configdevice” “module type”:”sparklighting”</pre>

	<pre>"configtype": "delete" "deviceloopmap" [{ "primaryid":2 }, { "primaryid":3 }], }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": " configdevice" "moduletype": " sparklighting" "moduleipaddr": " 192.168.1.50" "configtype": "delete" "deviceloopmap" [{ "primaryid":2 "errorcode":0 }, {</pre>

	<pre>"primaryid":3 "errorcode":0 }], }</pre>

6) 配置 sparklight 系统窗帘

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"request", "subaction":" configdevice" "moduletype":"sparklighting" "primaryid":100（外围设备表的 id） "configtype":"add" "deviceid":7 "subdevtype":"HBL5-C02 " "deviceloopmap": [{ "loopid":1 "looptype":"curtain" "roomid":2 "aliasname":"左窗帘" }, { "loopid":2</pre>

	<pre>"looptype":"curtain" "roomid":2 "aliasname":"右窗帘" }] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"response" "subaction":" configdevice" "moduletype":" sparklighting" "primaryid":100 "configtype":"add" "deviceid":7 "deviceloopmap": [{ "loopid":1 "errorcode":0 "looptype":"curtain" "roomid":2 "aliasname":"左窗帘" "responseprimaryid":199 (loop 的唯一 id, 64 位 long 类型) }, {</pre>

	<pre>"loopid":2 "errorcode":0 "looptype":"curtain" "roomid":2 "aliasname":"右窗帘" "responseprimaryid":200 (loop 的唯一 id, 64 位 long 类型) }] }</pre>

7) 修改 sparklight 系统窗帘

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"request", "subaction":" configdevice" "moduletype":"sparklighting" "configtype":"modify" "deviceloopmap": [{ "primaryid":3 "roomid":3 "aliasname":"左窗帘 modify" }, {</pre>

	<pre>"primaryid":4 "roomid":3 "aliasname": "右窗帘 modify" }] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": "configdevice" "moduletype": "sparklighting" "moduleipaddr": "192.168.1.50" "configtype": "modify" "deviceLoopmap": [{ "loopid": 1 "deviceid": 7 "errorCode": 0 "roomid": 3 "aliasname": "左窗帘 modify" }, { "loopid": 2 "deviceid": 7 </pre>

	<pre>"errorCode":0 "roomId":3 "aliasname": "右窗帘 modify" }] }</pre>

8) 删除 sparklight 系统窗帘

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request", "subaction": "configdevice" "moduletype": "sparklighting" "configtype": "delete" "deviceLoopmap": [{ "primaryid": 2 }, { "primaryid": 3 }], }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"response" "subaction":" configdevice" "moduletype":" sparklighting" "moduleipaddr":" 192.168.1.50" "configtype":"delete" "device loopmap": [{ "primaryid":2 "errorcode":0 }, { "primaryid":3 "errorcode":0 }], }

9) 配置 sparklighting 系统 吸顶红外

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"request",

	<pre>"subaction": "configdevice" "moduletype": "sparklighting" "primaryid": 100 (外围设备表的 id) "configtype": "add" "deviceid": 7 "subdevtype": "HBL-SIR" "deviceLoopmap": [{ // 只有一个 loop, 固定为 1 "loopid": 1 "looptype": "sensor" "roomId": 5 "aliasname": "起夜" }]</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response", "subaction": "configdevice" "moduletype": "sparklighting" "primaryid": 100 (外围设备表的 id) "configtype": "add" "deviceid": 7</pre>

	<pre>"subdevtype":"HBL-SIR" "deviceLoopmap": [{// 只有一个 loop，固定为 1 "loopid":1 "looptype":" sensor" "roomId":5 "aliasname":" 起夜" "responseprimaryid":200 (loop 的唯一 id，64 位 long 类型) "errorCode":0 }] }</pre>

10) 修改 sparklighting 系统吸顶红外

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"request", "subaction":" configdevice" "moduletype":"sparklighting" "configtype":"modify" "deviceLoopmap": [{ "primaryid":3 "roomId":6 </pre>

	<pre>"aliasname": "起夜 modify" }] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": "configdevice" "moduletype": "sparklighting" "moduleipaddr": "192.168.1.50" "configtype": "modify" "device loopmap": [{ "primaryid": 3 "roomid": 6 "aliasname": "起夜 modify" "errorcode": 0 }] }</pre>

11) 删除 sparklighting 系统吸顶红外

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"request", "subaction":"configdevice" "moduletype":"sparklighting" "configtype":"delete" "deviceloopmap": [{ "primaryid":2 }] }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"response" "subaction":" configdevice" "moduletype":" sparklighting" "configtype":"delete" "deviceloopmap": [{ "primaryid":2 "errorcode":0 }] }

	<div>}</div> <div>]</div> <div>}</div>

12) 配置 sparklighting 系统 空气质量模块

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<div>{</div> <div>“msgid”:“2387r958273894”</div> <div>“action”:“request”,</div> <div>“subaction”:“ configdevice”</div> <div>“moduletype”:“sparklighting”</div> <div>“primaryid”:100（外围设备表的 id）</div> <div>“configtype”:“add”</div> <div>“deviceid”:7</div> <div>“subdevtype”:“HBLS-STLA”</div> <div>“deviceloopmap”:</div> <div>[</div> <div>{// 只有一个 loop，固定为 1</div> <div>“loopid”:1</div> <div>“looptype”:“sensor”</div> <div>“roomid”:4</div> <div>“aliasname”:“空气探测器”</div> <div>}</div> <div>]</div> <div>}</div>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "response", "subaction": "configdevice" "moduletype": "sparklighting" "primaryid": 100（外围设备表的 id） "configtype": "add" "deviceid": 7 "subdevtype": "HBL5-STLA" "deviceloopmap": [{ // 只有一个 loop，固定为 1 "loopid": 1 "looptype": "sensor" "roomid": 4 "aliasname": "空气探测器" "responseprimaryid": 200（loop 的唯一 id，64 位 long 类型） "errorcode": 0 }] }

13) 修改 sparklighting 系统空气质量模块

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{

	<pre>"msgid":"2387r958273894" "action":"request", "subaction":" configdevice" "moduletype":"sparklighting" "configtype":"modify" "deviceloopmap": [{ "primaryid":3 "roomid":5 "aliasname":" 空气探测器 modify" }] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"response" "subaction":" configdevice" "moduletype":" sparklighting" "moduleipaddr":" 192.168.1.50" "configtype":"modify" "deviceloopmap": [{ "primaryid":3</pre>

	<pre>"roomid":5 "aliasname": "空气探测器 modify" "errorcode":0 }] }</pre>

14) 删除 sparklighting 系统空气质量模块

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request", "subaction": "configdevice" "moduletype": "sparklighting" "configtype": "delete" "deviceLoopmap": [{ "primaryid": 2 }] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{

	<pre>"msgid": "2387r958273894" "action": "response" "subaction": "configdevice" "moduletype": "sparklighting" "configtype": "delete" "deviceloopmap": [{ "primaryid": 2 "errorcode": 0 }] }</pre>

15) 查询 sparklighting 灯光状态

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{"action": "request", "subaction": "readdevice", "deviceloopmap": [{"maskid": 1, "loopid": 1, "deviceid": 1, "looptype": "light"}, {"maskid": 1, "loopid": 2, "deviceid": 1, "looptype": "light"}], "msgid": "9", "moduletype": "sparklighting" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{"action":"response", "subaction":"readdevice", "deviceloopmap":[{"maskid":1,"loopid":1,"deviceid":1,"looptype":"light","status":"on" ,"openclosepercent":50 "errorCode":0 },], "msgid":"9", "moduletype":"sparklighting" }</pre>

16) 设置 sparklighting 灯光状态

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{"action":"request","subaction":"setdevice","deviceloopmap":[{"maskid":1,"loopid":1,"looptype":"light","openclosepercent":45,"status":"on","deviceid":1}], "msgid":"10","moduletype":"sparklighting"}</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{"action":"response","subaction":"setdevice","deviceloopmap":[{"maskid":1,"loopid":1,"looptype":"light","openclosepercent":45,"status":"on","deviceid":1,"errorCode":0}],</pre>

	"msgid":"10","moduletype":"sparklighting"}

17) 查询 sparklighting 窗帘状态

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"request" "subaction":" readdevice" "moduletype":"sparklighting" "deviceloopmap" [{ "maskid":1 "deviceid":7 "loopid":1 "looptype":"curtain" }, { "maskid":1 "deviceid":7 "loopid":2 "looptype":"curtain" }] }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "response" "subaction": "readdevice" "moduletype": "sparklighting" "deviceloopmap" [{ "errorcode": 0 "maskid": 1 "deviceid": 7 "loopid": 1 "looptype": "curtain" "status": "opening" }, { "errorcode": 1 "maskid": 1 "deviceid": 7 "loopid": 2 "looptype": "curtain" "status": "closing" },] }

18) 设置 sparklighting 窗帘状态

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "action": "request", "subaction": "setdevice", "deviceloopmap": [{"maskid": 1, "loopid": 1, "looptype": "curtain", "status": "opening", "deviceid": 2}], "msgid": "12", "moduletype": "sparklighting"} }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "action": "request", "subaction": "setdevice", "deviceloopmap": [{"maskid": 1, "loopid": 1, "looptype": "curtain", "status": "opening", "deviceid": 2, "errorcode": 0}], "msgid": "12", "moduletype": "sparklighting"} }

19) 查询 sparklighting relay 状态

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "request" "subaction": "readdevice" "moduletype": "sparklighting" "deviceloopmap" [{ "maskid": 1

	<pre>"deviceid":7 "loopid":1 "looptype":"relay" }, { "maskid":1 "deviceid":7 "loopid":2 "looptype":"relay" }] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"response" "subaction":" readdevice" "moduletype":" sparklighting" "deviceloopmap" [{ "errorcode":0 "maskid":1 "deviceid":7 "loopid":1 "looptype":"relay"</pre>

	<pre>"status": "on" }, { "errorcode": 1 "maskid": 1 "deviceid": 7 "loopid": 2 "looptype": "relay" "status": "off" },] }</pre>

20) 设置 sparklighting relay 状态

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" "subaction": "setdevice" "moduletype": "sparklighting" "deviceloopmap" [{ "maskid": 1 "deviceid": 7 "loopid": 1 "looptype": "relay" "status": "on"</pre>

	<pre>}, { "maskid":1 "deviceid":7 "loopid":2 "looptype":"relay" "status":"off" },] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"response" "subaction":" setdevice" "moduletype":" sparklighting" "deviceloopmap" [{ "errorcode":0 "maskid":1 "deviceid":7 "loopid":1 "looptype":"relay" }, {</pre>

	<pre>"errorcode":0 "maskid":1 "deviceid":7 "loopid":2 "looptype":"relay" }] }</pre>

21) 查询 sparklighting 空气质量状态

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"request" "subaction":" readdevice" "moduletype":"sparklighting" "deviceloopmap" [{ "maskid":1 "deviceid":7 "loopid":1 // 对于空气质量模块来说， loopid 始终为 1 "looptype":"sensor" }, { "maskid":1</pre>

	<pre>"deviceid":6 "loopid":1// 对于空气质量模块来说， loopid 始终为 1 "looptype":"sensor" }] }</pre>
--	---

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
x	<pre>{ "msgid":"2387r958273894" "action":"response" "subaction":" readdevice" "moduletype":" sparklighting" "deviceloopmap" [{ "errorcode":0 "maskid":1 "deviceid":7 "loopid":1 // 对于空气质量模块来说， loopid 始终为 1 "looptype":"sensor" "currentluminance":"750" "currentairqual":"clean/slight/moderate/serious" }, { "errorcode":1 "maskid":1 "deviceid":6</pre>

	<pre>"loopid":1 // 对于空气质量模块来说， loopid 始终为 1 "looptype":"sensor" },] }</pre>
--	--

5. 315M433M 配置及控制

1) 配置 315M433M 小模块

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"request" "subaction":" configmodule" "moduletype":"315M433M" "modulemacaddr":"12.23.45.65.67.86" "moduleipaddr":"192.168.1.50" "configtype":"add" "aliasname":" 房间" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{

	<pre>"msgid":"2387r958273894" "action":"response" "subaction":" configmodule" "errorcode":0 "moduletype":" 315M433M" "modulemacaddr":"12.23.45.65.67.86" "moduleipaddr":"192.168.1.50" "configtype":"add" "aliasname":"maia 设备" "responseprimaryid":199 (loop 的唯一 id, 64 位 long 类型) }</pre>

2) 修改 315M433M 小模块

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"request" "subaction":" configmodule" "moduletype":"315M433M" "primaryid":3 "configtype":"modify" "aliasname":" maia 设备 modify" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{

	<pre>"msgid":"2387r958273894" "action":"response" "subaction":" configmodule" "errorcode":0 "moduletype":" 315M433M" "primaryid":3 "configtype":"modify" "aliasname":" maia 设备 modify" }</pre>

3) 删除 315M433M 小模块

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"request" "subaction":" configmodule" "moduletype":"315M433M" "primaryid":3 "configtype":"delete" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"response" "subaction":" configmodule"</pre>

	<pre>"errorCode":0 "moduletype": "315M433M" "primaryid":3 "configtype": "delete" }</pre>

4) 配置 maia2 小模块灯光

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request", "subaction": "configdevice", "moduletype": "315M433M", "primaryid":100（外围设备表的 id） "configtype": "add" "devicetype": "maia2" "deviceid":12345678 "deviceloopmap" [{ "loopid":1 "looptype": "light" "roomid":3 "aliasname": "灯光 1" }, { "loopid":2</pre>

	<pre>"looptype": "light" "roomid": 3 "aliasname": "灯光 2" },] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": "configdevice" "moduletype": "315M433M" "primaryid": 100 "configtype": "add" "devicetype": "maia2" "deviceid": 12345678 "deviceloopmap" [{ "loopid": 1 "looptype": "light" "roomid": 3 "aliasname": "灯光 1" "errorcode": 0 "responseprimaryid": 199 (loop 的唯一 id, 64 位 long 类型) },], }</pre>

	<pre>{ "loopid":2 "looptype":"light" "roomid":3 "aliasname":"灯光 2" "errorcode":0 "responseprimaryid":200 (loop 的唯一 id, 64 位 long 类型) },]</pre>

5) 修改 maia2 小模块灯光

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"request", "subaction":" configdevice", "moduletype":" 315M433M", "configtype":"modify" "deviceloopmap" [{ "primaryid":3 "roomid":1 "aliasname":"灯光 1modify" }, {</pre>

	<pre>"primaryid":4 "roomid":1 "aliasname": "灯光 2modify" },] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": "configdevice" "moduletype": "315M433M" "configtype": "add" "device loopmap" [{ "primaryid":3 "roomid":1 "aliasname": "灯光 1modify" "errorcode":0 }, { "primaryid":4 "roomid":1 "aliasname": "灯光 2modify" "errorcode":0 }</pre>

	<pre>},] }</pre>

6) 删除 maia2 小模块灯光

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request", "subaction": "configdevice", "moduletype": "315M433M", "configtype": "delete" "deviceloopmap" [{ "primaryid": 3 }, { "primaryid": 4 },] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894"</pre>

	<pre>"action": "response" "subaction": "configdevice" "moduletype": "315M433M" "configtype": "delete" "device loopmap" [{ "primaryid": 3 "errorcode": 0 }, { "primaryid": 4 "errorcode": 0 },] }</pre>

7) 配置 maia2 窗帘

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request", "subaction": "configdevice", "moduletype": "315M433M", "primaryid": 100 (外围设备表的 id) "configtype": "add" "devicetype": "maia2"</pre>

	<pre>"deviceid": 12345678 "deviceloopmap": [{ "loopid":1 "looptype":"curtain" "roomid":2 "aliasname":"窗帘 1" }, { "loopid":2 "looptype":"curtain" "roomid":2 "aliasname":"窗帘 2" },] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"response" "subaction":" 315M433M" "moduletype":" maia2" "primaryid":100 "configtype":"add" "devicetype":"maia2"</pre>

	<pre>"deviceid": 12345678 "deviceloopmap" [{ "loopid":1 "looptype":"curtain" "roomid":2 "aliasname":"窗帘 1" "errorcode":0 "responseprimaryid":199 (loop 的唯一 id, 64 位 long 类型) }, { "loopid":2 "looptype":"curtain" "roomid":2 "aliasname":"窗帘 2" "errorcode":0 "responseprimaryid":200 (loop 的唯一 id, 64 位 long 类型) },] }</pre>

8) 修改 maia2 窗帘

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"request",</pre>

	<pre>“subaction”:“configdevice”, “moduletype”:“ 315M433M”, “configtype”:“modify” “deviceloopmap”: [{ “primaryid”:4 “roomid”:1 “aliasname”:“窗帘 1modify” }, { “primaryid”:5 “roomid”:2 “aliasname”:“窗帘 2modify” },] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ “msgid”:“2387r958273894” “action”:“response” “subaction”:“ 315M433M” “configtype”:“modify” “devicetype”:“maia2” “deviceloopmap” [</pre>

	<pre>{ "primaryid":4 "roomid":1 "aliasname":"窗帘 1modify" "errorcode":0 }, { "primaryid":5 "roomid":2 "aliasname":"窗帘 2modify" "errorcode":0 },] }</pre>

9) 删除 maia2 窗帘

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"request", "subaction":" configdevice", "moduletype":" 315M433M", "configtype":"delete" "deviceloopmap": [{ "primaryid":3 },] }</pre>

	{ "primaryid":4 },] }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"response" "subaction":" configdevice" "moduletype":" 315M433M" "configtype":"delete" "deviceloopmap" [{ "primaryid":3 "errorcode":0 }, { "primaryid":4 "errorcode":0 },] }

10) 查询 maia2 灯光状态

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "request" "subaction": " readdevice" "moduletype": " 315M433M" "devicetype": "maia2" "deviceloopmap": [{ "modulemacaddr": "12.23.45.65.67.86" "deviceid": 12345678 "loopid": 1 "looptype": "light" }, { "modulemacaddr": "12.23.45.65.67.86" "deviceid": 12345678 "loopid": 2 "looptype": "light" },] }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
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body	<pre>{ "msgid":"2387r958273894" "action":"response" "subaction":" readdevice" "moduletype":" 315M433M" "devicetype":"maia2" "deviceloopmap": [{ "errorcode":0 "modulemacaddr":"12.23.45.65.67.86" "deviceid": 12345678 "loopid":1 "looptype":"light" "status":"on" "openclosepercent":50 }, { "errorcode":0 "modulemacaddr":"12.23.45.65.67.86" "deviceid": 12345678 "loopid":2 "looptype":"light" "status":"off" "openclosepercent":0 },] }</pre>
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	}

11) 设置 maia2 灯光状态

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "request" "subaction": "setdevice" "moduletype": "315M433M" "devicetype": "maia2" "deviceloopmap": [{ "modulemacaddr": "12.23.45.65.67.86" "deviceid": 12345678 "loopid": 1 "looptype": "light" "status": "on" "openclosepercent": 50 }, { "modulemacaddr": "12.23.45.65.67.86" "deviceid": 12345678 "loopid": 2 "looptype": "light" "status": "off" "openclosepercent": 0 }, }

] }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"response" "subaction":" setdevice" "moduletype":" 315M433M" "devicetype":"maia2" "deviceloopmap": [{ "errorcode":0 "modulemacaddr":"12.23.45.65.67.86" "deviceid": 12345678 "loopid":1 "looptype":"light" }, { "errorcode":1 "modulemacaddr":"12.23.45.65.67.86" "deviceid": 12345678 "loopid":2 "looptype":"light" },] }

	}

12) 查询 maia2 窗帘状态

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "request" "subaction": "readdevice" "moduletype": "315M433M" "devicetype": "maia2" "deviceloopmap": [{ "modulemacaddr": "12.23.45.65.67.86" "deviceid": 12345678 "loopid": 1 "looptype": "curtain" }, { "modulemacaddr": "12.23.45.65.67.86" "deviceid": 12345678 "loopid": "2" "looptype": "curtain" },] }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "response" "subaction": "readdevice" "moduletype": "315M433M" "devicetype": "maia2" "deviceloopmap": [{ "errorcode": 0 "modulemacaddr": "12.23.45.65.67.86" "deviceid": 12345678 "loopid": 1 "looptype": "curtain" "status": "opening" }, { "errorcode": 1 "modulemacaddr": "12.23.45.65.67.86" "deviceid": 12345678 "loopid": 2 "looptype": "curtain" "status": "opening" },] }

13) 设置 maia2 窗帘状态

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "request" "subaction": "setdevice" "moduletype": "315M433M" "devicetype": "maia2" "deviceloopmap": [{ "modulemacaddr": "12.23.45.65.67.86" "deviceid": 12345678 "loopid": 1 "looptype": "curtain" "status": "stopped" }, { "modulemacaddr": "12.23.45.65.67.86" "deviceid": 12345678 "loopid": 2 "looptype": "curtain" "status": "closing" },] }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "response" "subaction": "setdevice" "moduletype": "315M433M" "devicetype": "maia2" "deviceloopmap": [{ "errorcode": 0 "modulemacaddr": "12.23.45.65.67.86" "deviceid": 12345678 "loopid": 1 "looptype": "curtain" }, { "errorcode": 0 "modulemacaddr": "12.23.45.65.67.86" "deviceid": 12345678 "loopid": 2 "looptype": "curtain" },] }

14) 配置 433M 红外 sensor

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
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body	<pre>{ "msgid": "2387r958273894" "action": "request", "subaction": "configdevice", "moduletype": "315M433M" "primaryid": 100 （外围设备表的 id） "configtype": "add" "devicetype": "sensor" "deviceloopmap": [{ "loopid": 1111111 "looptype": "5800-PIR-AP" "zonetype": "delay" "alarmtype": "fire" "alarmtimer": 20 "roomid": 1 "aliasname": "人员探测" "alarmenable": "on" }, { "loopid": 22222222 "looptype": "5816EU" "zonetype": "instant" "alarmtype": "gas" "alarmtimer": 0 "roomid": 2 }] }</pre>
------	---

	<pre>"aliasname": "人员探测" "alarmenable": "on },] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response", "subaction": "configdevice", "moduletype": "315M433M" "primaryid": 100 "devicetype": "sensor" "deviceloopmap": [{ "loopid": 1111111 "errorcode": 0 "looptype": "5800-PIR-AP" "zonetype": "delay" "alarmtype": "fire" "alarmtimer": 20 "roomid": 1 "aliasname": "人员探测" "responseprimaryid": 199 (loop 的唯一 id, 64 位 long 类型) }, }</pre>

	<pre>{ "loopid":22222222 "errorcode":0 "looptype": " 5816EU" "zonetype":"instant" "alarmtype": " gas" "alarmtimer":0 "roomid":2 "aliasname": "人员探测" "responseprimaryid":199 (loop 的唯一 id, 64 位 long 类型) },] }</pre>

15) 修改 433M 红外 sensor

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request", "subaction": " configdevice", "moduletype": "315M433M" "configtype": "modify" "deviceloopmap": [{ "primaryid":4 "roomid":3 }] }</pre>

	<pre>“aliasname”:”人员探测 modify” “alarmenable”:”on” }, { “primaryid”:5 “roomid”:4 “aliasname”:”人员探测 modify” “alarmenable”:”on” },] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ “msgid”:”2387r958273894” “action”:”response”, “subaction”:” configdevice”, “moduletype”:”315M433M” “device loopmap”: [{ “primaryid”:4 “errorcode”:0 “roomid”:3 “aliasname”:”人员探测 modify” }, {</pre>

	<pre>"primaryid":5 "errorcode":0 "roomid":4 "aliasname": "人员探测 modify" },] }</pre>

16) 删除 433M 红外 sensor

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request", "subaction": "configdevice", "moduletype": "315M433M" "deviceLoopmap": [{ "primaryid":3 }, { "primaryid":4 },] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"response", "subaction":" configdevice", "moduletype":"315M433M" "deviceloopmap": [{ "primaryid":3 "errorcode":0 }, { "primaryid":4 "errorcode":0 },] }

6.Wired zone 配置及控制

1) 配置 wired zone 模块

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894"

	<pre>"action": "request" "subaction": "configmodule" "moduletype": "wiredzone" "modulemacaddr": "12.23.45.65.67.86" "moduleipaddr": "192.168.1.70" "configtype": "add" "aliasname": "有线防区" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": "configmodule" "errorcode": 0 "moduletype": "wiredzone" "modulemacaddr": "12.23.45.65.67.86" "moduleipaddr": "192.168.1.70" "configtype": "add" "aliasname": "有线防区" "responseprimaryid": 199 (loop 的唯一 id, 64 位 long 类型) }</pre>

2) 修改 wired zone 模块

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{

	<pre>"msgid":"2387r958273894" "action":"request" "subaction":" configmodule" "moduletype":" wiredzone" "primaryid":4 "configtype":"modify" "aliasname":"有线防区 modify" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"response" "subaction":" configmodule" "errorcode":0 "moduletype":" wiredzone" "primaryid":4 "configtype":" modify" "aliasname":"有线防区 modify" }</pre>

3) 删除 wired zone 模块

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"request"</pre>

	<pre>"subaction": "configmodule" "moduletype": "wiredzone" "primaryid": 3 "configtype": "delete" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": "configmodule" "errorcode": 0 "moduletype": "wiredzone" "primaryid": 3 "configtype": "delete" }</pre>

4) 配置 wired zone 防区

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" "subaction": "configdevice" "moduletype": "wiredzone" "primaryid": 100 (外围设备表的 id) "configtype": "add" }</pre>

	<pre>"deviceLoopmap": [{ "loopid":1 "roomId":1 "aliasname":"主卧防区 1" "zonetype":"instant" "alarmtype":" help" "alarmtimer":0 "alarmenable":"on" }, { "loopid":2 "roomId":1 "aliasname":"主卧防区" "zonetype":"delay" "alarmtype":" thief" "alarmtimer":20 "alarmenable":"on" }] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"response" }</pre>

	<pre>"subaction": "configdevice" "moduletype": "wiredzone" "primaryid": 100 "configtype": "add" "deviceLoopmap": [{ "loopid": 1 "errorCode": 0 "roomId": 1 "aliasname": "主卧防区 1" "zonetype": "instant" alarmtype": "help" "alarmtimer": 0 "alarmenable": "on" "responseprimaryid": 199 (loop 的唯一 id, 64 位 long 类型) { "loopid": 2 "errorCode": 0 "roomId": 1 "aliasname": "主卧防区 2" "zonetype": "delay" "alarmtype": "thief" "alarmtimer": 20 "alarmenable": "on" "responseprimaryid": 200 (loop 的唯一 id, 64 位 long 类型) }]</pre>
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	}

5) 修改 wired zone 防区

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "request" subaction": "configdevice" "moduletype": "wiredzone" "configtype": "modify" "deviceloopmap": [{ "primaryid": 4 "roomid": 3 "aliasname": "主卧防区 1 modify" "alarmenable": "on" }, { "primaryid": 5 "roomid": 3 "aliasname": "主卧防区 modify" "alarmenable": "on" }] }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"response" "subaction":" configdevice" "moduletype":" wiredzone" "configtype":" modify" "deviceloopmap": [{ "primaryid":4 "errorcode":0 "roomid":3 "aliasname":"主卧防区 1 modify" "alarmenable":"on" { "primaryid":5 "errorcode":0 "roomid":3 "aliasname":"主卧防区 2 modify" "alarmenable":"on" }] }

6) 删除 wired zone 防区

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"request" "subaction":" configdevice" "moduletype":" wiredzone" "configtype":"delete" "deviceloopmap": [{ "primaryid":3 }, { "primaryid":4 }] }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"response" "subaction":" configdevice" "moduletype":" wiredzone" "configtype":" delete" "deviceloopmap": [

	<pre>{ "primaryid":3 "errorcode":0 { "primaryid":4 "errorcode":0 } }</pre>

7) 撤布防防区

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"request" subaction":" setdevice" "moduletype":" alarmzone" "isarm":"arm" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"response" "subaction":" setdevice" "moduletype":" alarmzone"</pre>

	<pre>"isarm": "arm" "errorcode": 0 }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" "subaction": "configmodule" "moduletype": "relay" "modulemacaddr": "12.23.45.65.67.86" "moduleipaddr": "192.168.1.50" "configtype": "add" "aliasname": "relay 设备" }</pre>

7.relay 配置及控制

1) 配置 relay 小模块

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "response" "subaction": " configmodule" "configtype": "add" "errorcode": 0 "moduletype": " relay" "modulemacaddr": "12.23.45.65.67.86" "aliasname": "relay 设备" "responseprimaryid": 199 (loop 的唯一 id, 64 位 long 类型) }

2) 修改 relay 小模块

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "request" "subaction": " configmodule" "moduletype": "relay" "primaryid": 4

	<pre>"configtype": "modify" "aliasname": "relay 设备 modify" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": "configmodule" "errorcode": 0 "configtype": "modify" "moduletype": "relay" "primaryid": 4 "aliasname": "relay 设备 modify" }</pre>

3) 删除 relay 小模块

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" "subaction": "configmodule" "moduletype": "relay" "primaryid": 3 "configtype": "delete" }</pre>

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head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"response" "subaction":" configmodule" "errorcode":0 "configtype":"delete" "moduletype":" relay" "primaryid":3 }

4) 配置 relay 回路

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "action":"request", "subaction":" configdevice" "moduletype":" relay" "primaryid":100（外围设备表的 id） "configtype":"add" "deviceloopmap" [{ "loopid":1 "time":5 "roomid":3 }

	<pre>"aliasname": "灯光" }, { "loopid": 2 "time": 5 "roomid": 3 "aliasname": "窗帘" },] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "action": "response" "subaction": "configdevice" "moduletype": "relay" "primaryid": 100 "configtype": "add" "deviceLoopmap" [{ "loopid": 1 "errorCode": 0 "time": 5 "roomid": 3 "aliasname": "灯光" }] }</pre>

	<div>“responseprimaryid”:199 (loop 的唯一 id, 64 位 long 类型)</div> <div>},</div> <div>{</div> <div>“loopid”:2</div> <div>“errorcode”:0</div> <div>“time”:5</div> <div>“roomid”:3</div> <div>“aliasname”:“窗帘”</div> <div>“responseprimaryid”:200 (loop 的唯一 id, 64 位 long 类型)</div> <div>},</div> <div>]</div> <div>}</div>

5) 修改 relay 回路

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<div>{</div> <div>“action”:“request”,</div> <div>“subaction”:“ configdevice”</div> <div>“moduletype”:“ relay”</div> <div>“configtype”:“ modify”</div> <div>“device loopmap”</div> <div>[</div> <div>{</div> <div>“primaryid”:4</div> <div>“roomid”:2</div> <div>“aliasname”:“灯光 modify”</div> <div>},</div>

	<pre>{ "primaryid":5 "roomid":2 "aliasname": "窗帘 modify" },]</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "action": "response" "subaction": "configdevice" "moduletype": "relay" "configtype": "modify" "device loopmap" [{ "primaryid":4 "errorcode":0 "roomid":2 "aliasname": "灯光 modify" }, { "primaryid":5 "errorcode":0 "roomid":2 "aliasname": "窗帘 modify" }] }</pre>

	<pre>},] }</pre>

6) 删除 relay 回路

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "action": "request", "subaction": "configdevice" "moduletype": "relay" "configtype": "delete" "deviceloopmap" [{ "primaryid": 3 }, { "primaryid": 4 },] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "action": "response" "subaction": "configdevice"</pre>

	<pre>"moduletype": "relay" "configtype": "delete" "deviceloopmap" [{ "primaryid": 3 "errorcode": 0 }, { "primaryid": 4 "errorcode": 0 },] }</pre>

7) 设置 relay 回路状态

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" "subaction": "setdevice" "moduletype": "relay" "deviceloopmap" [{ "modulemacaddr": "12.23.45.65.67.86" "loopid": 1 "status": "off" }</pre>

	<pre>"time":0 }, { "modulemacaddr":"12.23.45.65.67.86" "loopid":2 "status":"on" "time":5 },] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"response" "subaction":" setdevice" "moduletype":" relay" "deviceloopmap" [{ "modulemacaddr":"12.23.45.65.67.86" "loopid":1 "errorcode":0 "status":"off" "time":0 }, {</pre>

	<pre>"modulemacaddr": "12.23.45.65.67.86" "loopid": 2 "errorcode": 0 "status": "on" "time": 5 },] }</pre>

8) 查询 relay 回路状态

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" "subaction": "readdevice" "moduletype": "relay" "device loopmap" [{ "modulemacaddr": "12.23.45.65.67.86" "loopid": 1 }, { "modulemacaddr": "12.23.45.65.67.86" "loopid": 2 },] }</pre>

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head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "response" "subaction": " readdevice" "moduletype": " relay" "deviceloopmap" [{ "modulemacaddr": "12.23.45.65.67.86" "loopid": 1 "errorcode": 0 "status": "off" }, { "modulemacaddr": "12.23.45.65.67.86" "loopid": 2 "errorcode": 0 "status": "off" },] }

9) relay 回路状态变化通知

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
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body	<pre>{ "action": "event" "subaction": "setdevice" "moduletype": "relay" "deviceLoopmap" [{ "modulemacaddr": "12.23.45.65.67.86" "loopid": 1 "status": "off" }, { "modulemacaddr": "12.23.45.65.67.86" "loopid": 2 "status": "off" },] }</pre>

10) 添加新风

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894", "action": "request", "subaction": "configdevice",</pre>

	<pre>"moduletype":"ventilation", "configtype":"add", "aliasname":"新风 1", "roomid":1, "controltype":"relay", "power":{"moduletype":"relay", "primaryid":1}, // on/off "fanspeed":[{"moduletype":"relay", "primaryid":2}, // fan speed high {"moduletype":"relay", "primaryid":3}, // fan speed medial {"moduletype":"relay", "primaryid":4}] // fan speed low "cycletype": {"moduletype":"relay", "primaryid":5}, // inner/outsider cycle "humidity": {"moduletype":"relay", "primaryid":6}, // humidity, 加湿 "dehumidity": {"moduletype":"relay", "primaryid":7} // dehumidity, 除湿 }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894", "action":"response", "subaction":"configdevice", "moduletype":"ventilation", "configtype":"add",</pre>

	<pre>"aliasname": "新风 1", "roomid": 1, "controltype": "relay", "power": {"moduletype": "relay", "primaryid": 1}, // on/off "responseprimaryid": 100, "errorcode": 0 "fanspeed": [{"moduletype": "relay", "primaryid": 2}, // fan speed high {"moduletype": "relay", "primaryid": 3}, // fan speed medial {"moduletype": "relay", "primaryid": 4}] // fan speed low "cycletype": {"moduletype": "relay", "primaryid": 5}, // inner/outsider cycle "humidity": {"moduletype": "relay", "primaryid": 6}, // humidity, 加湿 "dehumidity": {"moduletype": "relay", "primaryid": 7} // dehumidity, 除湿 }</pre>

11) 编辑新风

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894", "action": "request", "subaction": "configdevice", "moduletype": "ventilation", "configtype": "modify",</pre>

	<pre>"aliasname": "新风", "controltype": "relay", "roomid": 1, "primaryid": 100 }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894", "action": "response", "subaction": "configdevice", "moduletype": "ventilation", "configtype": "modify", "aliasname": "新风", "controltype": "relay", "roomid": 1, "primaryid": 100, "erroddcode": 0 }</pre>

12) 删除新风

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{

	<pre>"msgid":"2387r958273894", "action":"request", "subaction":"configdevice", "moduletype":"ventilation", "configtype":"delete", "controltype":"relay", "primaryid":100 }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894", "action":"response", "subaction":"configdevice", "moduletype":"ventilation", "configtype":"delete", "primaryid":100, "controltype":"relay", "erroddcode":0 }</pre>

8.wifi-air 配置及控制

1) 配置 air 小模块

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "action": "request" "subaction": "configdevice" "moduletype": "air" "configtype": "add" "modulemacaddr": "12.23.45.65.67.86" "moduleipaddr": "192.168.1.50" "aliasname": "air 设备" "airtype": "main" }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "action": "response" "subaction": "configdevice" "errorcode": "0" "moduletype": "air" "configtype": "add" "modulemacaddr": "12.23.45.65.67.86" "aliasname": "air 设备" }

	<pre>"airtype": "main" "responseprimaryid": 199 (loop 的唯一 id, 64 位 long 类型) }</pre>

2) 修改 air 小模块

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "action": "request" "subaction": "configdevice" "moduletype": "air" "configtype": "modify" "primaryid": 4 "aliasname": "air 设备 modify" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "action": "response" "subaction": "configdevice" "errorcode": "0" "configtype": "modify" "moduletype": "air" "primaryid": 4 "aliasname": "air 设备 modify" }</pre>

3) 删除 air 小模块

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "action": "request" "subaction": "configdevice" "moduletype": "air" "configtype": "delete" "primaryid": 3 }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "action": "response" "subaction": "configdevice" "errorcode": "0" "configtype": "delete" "moduletype": "air" "primaryid": 3 }

4) 查询 air

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "action": "request" "subaction": "readdevice"

	<pre>"moduletype": "air" "modulemacaddr": "12.23.45.65.67.86" "currenttime": "" "currentpm2_5 ": "" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "action": "response" "subaction": "readdevice" "errorcode": "0" "moduletype": "air" "Modulemacaddr": "12.23.45.65.67.86" "currenttime": "13:22" "currentpm2_5 ": "100" }</pre>

5) 状态变化通知

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "action": "event" "subaction": "readdevice" "moduletype": "air" "modulemacaddr": "12.23.45.65.67.86" "currentco2": "200" }</pre>

	<pre>"currenthumid": "40" }</pre>

9.ipvdp 配置及控制

1) 配置 IPVDP 信息

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" "subaction": "configmodule" "moduletype": "ipvdp" "moduleipaddr": "192.168.1.60" "subphoneid": "2" "subphonepwd": "12321321" "hnsserveraddr": "192.168.1.170" "configtype": "add" "aliasname": "ipvdp" "ipvdproomloop": [{ "ipvdpname": "ipvd8", (ipvd8 为主机) "roomid": 3 }, {</pre>

	<pre>"ipvdpname":"ipvdp1", "roomid":1 },] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"response" "subaction":" configmodule" "moduletype":" ipvdp" "moduleipaddr":"192.168.1.60" "subphoneid":"2" "subphonepwd":"12321321" "hnsserveraddr":"192.168.1.170" "configtype":"add" "aliasname":"ipvdp" "errorcode":0 "ipvdproomloop":[{ "ipvdpname":"ipvdp8", (ipvdp8 为主机) "roomid":3 "errorcode":0 "responseprimaryid":1 }, </pre>

	<pre>{ "ipvdpname":"ipvdp1", "roomid":1 "errorcode":0 "responseprimaryid":2 },]</pre> <p>"responseprimaryid":199 (loop 的唯一 id, 64 位 long 类型)</p> <pre>}</pre>

2) 修改 ipvdp 信息

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"request" "subaction":" configmodule" "moduletype":" ipvdp" "primaryid":4 "configtype":" modify" "aliasname":"IPVDP 修改" "moduleipaddr":"192.168.1.60" "subphoneid":"2" "subphonepwd":"12321321" "hnsserveraddr":"192.168.1.170" "ipvdproomloop":[</pre>

	<pre>{ "configtype": "modify" "roomid": 3 "primaryid": 1 }, { "configtype": "delete" "primaryid": 2 }, { "configtype": "add" "ipvdpname": "ipvdp1", "roomid": 1 }]</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" "subaction": " configmodule" "moduletype": " ipvdp" "primaryid": 4 "configtype": "modify" "aliasname": "IPVDP 修改" "moduleipaddr": "192.168.1.60"</pre>

	<pre>"subphoneid": "2" "subphonepwd": "12321321" "hnsserveraddr": "192.168.1.170" "ipvdproomloop": [{ "configtype": "modify" "roomid": 3 "primaryid": 1 "errorcode": 0 }, { "configtype": "delete" "primaryid": 2 "errorcode": 0 }, { "configtype": "add" "ipvdpname": "ipvdp1", "roomid": 1 "errorcode": 0 "responseprimaryid": 2 }] }</pre>

3) 删除 IPVDP

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
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body	{ "msgid":"2387r958273894" "action":"request" "subaction":" configmodule" "moduletype":" ipvdp" "primaryid":3 "configtype":"delete" }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"response" "subaction":" configmodule" "moduletype":" ipvdp" "primaryid":3 "configtype":" delete" "errorcode":0 }

4) 配置 ipvdp 防区

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"request"

	<pre>subaction": "configdevice" "moduletype": "ipvdv" "primaryid": 100（外围设备表的 id） "configtype": "add" "deviceLoopmap": [{ "loopid": 1 "roomId": 1 "aliasname": "主卧防区 1" "zonetype": "instant" "alarmtype": "help" "alarmtimer": 0 "alarmenable": "on" }, { "loopid": 2 "roomId": 1 "aliasname": "主卧防区" "zonetype": "delay" "alarmtype": "thief" "alarmtimer": 20 "alarmenable": "on" }] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"response" "subaction":" configdevice" "moduletype":" ipvdp" "primaryid":100 "configtype":"add" "device loopmap": [{ "loopid":1 "errorcode":0 "roomid":1 "aliasname":"主卧防区 1" "zonetype":"instant" alarmtype":" help" "alarmtimer":0 "alarmenable":"on" "responseprimaryid":199 (loop 的唯一 id, 64 位 long 类型) { "loopid":2 "errorcode":0 "roomid":1 "aliasname":"主卧防区 2" "zonetype":"delay" "alarmtype":" thief" "alarmtimer":20 } }] }

	<pre>"alarmenable": "on" "responseprimaryid": 200 (loop 的唯一 id, 64 位 long 类型) }] }</pre>

5) 修改 ipvdP 防区

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" subaction": "configdevice" "moduletype": "ipvdP" "configtype": "modify" "deviceLoopmap": [{ "primaryid": 4 "roomId": 2 "aliasname": "主卧防区 1 modify" "alarmenable": "on" }, { "primaryid": 5 "roomId": 2 "aliasname": "主卧防区 modify" "alarmenable": "on" }] }</pre>

	<div>}</div> <div>]</div> <div>}</div>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<div>{</div> <div>“msgid”:”2387r958273894”</div> <div>“action”:”response”</div> <div>“subaction”:” configdevice”</div> <div>“moduletype”:” ipvdp”</div> <div>“configtype”:” modify”</div> <div>“deviceloopmap”:</div> <div>[</div> <div>{</div> <div>“primaryid”:4</div> <div>“errorcode”:0</div> <div>“roomid”:2</div> <div>“aliasname”:”主卧防区 1 modify”</div> <div>“alarmenable”:”on”</div> <div></div> <div>{</div> <div>“primaryid”:5</div> <div>“errorcode”:0</div> <div>“roomid”:2</div> <div>“aliasname”:”主卧防区 2 modify”</div> <div>“alarmenable”:”on”</div> <div>}</div> <div>}</div>

] }

6) 删除 ipvdP 防区

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "request" "subaction": "configdevice" "moduletype": "ipvdP" "configtype": "delete" "deviceloopmap": [{ "primaryid": 3 }, { "primaryid": 4 }] } }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" }

	<pre>"action": "response" "subaction": "configdevice" "moduletype": "ipvdp" "configtype": "delete" "deviceLoopmap": [{ "primaryid": 3 "errorCode": 0 { "primaryid": 4 "errorCode": 0 } }]</pre>

7) 通话

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "action": "event" "subaction": "call" "moduletype": "ipvdp" "callmsg": "incomingcall" "calltype": "neighbour" "videoport": 11111 "videocodectype": "h.264" "audioport": 2222 }</pre>

	<pre>"audiocodectype": "pcma" "videoratio": "320*240" "uuid": "87uhiuo2" "aliasname": "101-203" "callsessionid": "kjiou99" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" "subaction": "call" "moduletype": "ipvdp" "callmsg": "takecall" "videoport": 11111 "videocodectype": "h.264" "audioport": 2222 "audiocodectype": "pcma" "videoratio": "320*240" "uuid": "uoi8u89u" "takecallipaddr": "192.168.3.2" "callsessionid": "kjiou99" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
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body	{ "msgid":"2387r958273894" "action":"response" "subaction":" call" "moduletype":" ipvdp" "callmsg":"takecall" "takecallipaddr":"192.168.3.2" "callsessionid":"kjiou99" "errorcode":0 }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "action":"event" "subaction":" call" "moduletype":" ipvdp" "callmsg":"terminatecall" "callsessionid":"kjiou99" }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "action":"event" "subaction":" call" "moduletype":" ipvdp"

	<pre>"callmsg": "opendoor" "callsessionid": "kjiou99" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "action": "event" "subaction": "call" "moduletype": "ipvdp" "callmsg": "elevator" "callsessionid": "kjiou99" }</pre>

8) 门锁信息-开门记录

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "action": "event ", "subaction": "dooropeninfo", "moduletype": "ipvdplock", "loopid": "1", // frontdoor:1, backdoor:2 "aliasname": "frontdoor", "dooropenway": "password", "dooropentime": "2016-04-20 14:00:13", "dooropenrole": "woman", "dooropenid": "11" }</pre>

	}

10.IPC 配置及控制

1) IPC 配置

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894", "action":"request", "subaction":" configmodule", "moduletype":" ipc", "configtype":"add" "moduleipaddr":"192.168.1.41", "moduleport": 554, "configtype":"add", "ipctype":"super hd/phoenix", "mainstream":" ch01.264?ptype=udp", "substream":" ch01.264?ptype=udp", "videowidth":1280, "videoheight":720, "codectype":"H264", "ipcusername":"admin", "ipcpassword":"123456", "roomid":1 "aliasname":"主卧 监控"

	}

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894", "action":"response", "subaction":" configmodule", "moduletype":" ipc", "configtype":"add" "moduleipaddr":"192.168.1.41", "moduleport": 554, "configtype":"add/delete/ modify", "ipctype":"super hd/phoenix", "ipcurl":" ch01.264?ptype=udp", "ipcusername":"admin", "ipcpassword":"123456", "roomid":1 "aliasname":"主卧监控", "errorcode":0 "responseprimaryid":199 (loop 的唯一 id, 64 位 long 类型) "subresponseprimaryid":199 (IPC STREAM INFO 的 id) }

2) IPC 修改

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{

	<pre>"msgid":"2387r958273894", "action":"request", "subaction":" configmodule", "moduletype":" ipc", "primaryid":4 "configtype":"modify", "roomid":2 "aliasname":"主卧监控 modify" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894", "action":"response", "subaction":" configmodule", "moduletype":" ipc", "primaryid":4 "configtype":"modify", "roomid":2 "aliasname":"主卧监控 modify", "errorcode":0 }</pre>

3) IPC 删除

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{

	<pre>"msgid":"2387r958273894", "action":"request", "subaction":" configmodule", "moduletype":" ipc", "primaryid":3 "configtype":"delete", }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894", "action":"response", "subaction":" configmodule", "moduletype":" ipc", "primaryid":3 "configtype":"delete", "errorcode":0 }</pre>

4) IPC 查看

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894", "action":"request", "subaction":" ipcmonitor", "moduletype":" ipc",</pre>

	<pre>"moduleipaddr": "192.168.1.41", "moduleport": 554, "ipcurl": "ch01.264?type=udp", "uuid": "iusoi98786", "phoneip": "192.168.1.100", "status": "on" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894", "action": "response", "subaction": "ipcmonitor", "moduletype": "ipc", "moduleipaddr": "192.168.1.41", "moduleport": 554, "ipcurl": "ch01.264?type=udp", "uuid": "iusoi98786", "status": "on", "errorcode": "0" }</pre>

5) 结束 IPC 查看

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894",</pre>

	<pre>"action": "request", "subaction": "ipcmonitor", "moduletype": "ipc", "moduleipaddr": "192.168.1.41", "moduleport": 554, "ipcurl": "ch01.264?ptype=udp", "uuid": "iusoi98786", "status": "off" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894", "action": "response", "subaction": "ipcmonitor", "moduletype": "ipc", "moduleipaddr": "192.168.1.41", "moduleport": 554, "ipcurl": "ch01.264?ptype=udp", "uuid": "iusoi98786", "status": "off", "errorcode": "0" }</pre>

6) 获取 IPC 参数（暂不支持）

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894", "action":"request", "subaction":"ipcmonitor", "moduletype":"ipc", "moduleipaddr":"192.168.1.41", "moduleport": 554, "ipcurl":" ch01.264?ptype=udp" "status":"param" }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894", "action":"response", "subaction":"ipcmonitor", "moduletype":"ipc", "moduleipaddr":"192.168.1.41", "moduleport": 554, "ipcurl":" ch01.264?ptype=udp", "videowidth":1280, "videoheight":720, "codectype":"H264", "status":"param", "errorcode":"0" }

--	--

11. 安防

1) 系统报警事件

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "action": "event" "subaction": "alarminfo" "moduleAddr": "12.23.45.65.67.86" "moduleType": "wiredzone" "loopId": "1" "roomName": "主卧" "loopName": "主卧窗户" "timeStamp": "2016-01-15T12:30:00Z" "messageId": "50" "recordingVideo": 1/0, // 1 表示有联动录像，0 表示没有 }

- A) 当 moduletype 为 wired zone、wireless zone 时，moduleAddr 为模块 mac address;
- B) 当 moduletype 为 sparklighting、ipvdv 时，moduleAddr 为模块 moduleipaddr;
- C) 不同的 moduletype，其 loopid 含义不同，如下：
- a. Wired zone: loopid 此时代表其下 8 个回路;
 - b. Wireless zone: loopid 此时代表各个 sensor 的 serial number;

- c. Ipvdp: loopid 此时代表 ipvdp 系统中虚拟回路值，约定硬件上 GPIO 口：
 - i. B1~B6 对应 6 个防区，其 loopid 依次为 1~6;
 - ii. E1,E2 共用 Emergency1 报警，其 loopid 为 7;
 - iii. 求助触摸按键对应 Emergency2 报警，其 loopid 为 8;
 - iv. Fire 对应火灾报警，其 loopid 为 9;
 - v. Gas 对应煤气报警，其 loopid 为 10;
- d. Sparklighting: loopid 此时代表 sparklighting 系统中吸顶红外探头的 deviceid 值;

2) 系统撤布防状态事件

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "action": "event" "subaction": "systemsecuritystate" "armstatus": 0 // 撤布防状态, 0 表示撤防, 1 表示布防 "scenarioid": 102 // 成功执行撤布防的场景号 "aliasname": "scenario_away" // 成功执行撤布防的场景名字 }

3) 获取当前系统布防防区状态

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "action": "request" "subaction": "getsecuritystatus" "moduletype": "security" "msgid": "2387r958273894" }

--	--

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "action": "response", "subaction": "getsecuritystatus", "moduletype": "security", "msgid": "2387r958273894", "errorcode": 0, "alarmzoneloopmap": [{ "moduletype": "wiredzone", "modulemacaddr": "aa:bb:cc:dd:ee:ff", "loopid": 1, "alias": "煤气探头", "zonestatusmap": [{ "keytype": "help", "keyvalue": "trigger", "messageId": "50" }, { "keytype": "temper", "keyvalue": "trigger", "messageId": "60" }] }] }</pre> <p>.....</p>

	<pre>], }, ] }</pre>

12.防打扰

1) 防打扰设置

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "action": "request", "subaction": "configmodule", "moduletype": "nodisturb", "msgid": "2387r958273894", "status": "on/off", "starttime": "19:00", "endtime": "21:00" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{

	<pre>"action": "response", "subaction": "configmodule", "moduletype": "nodisturb", "msgid": "2387r958273894", "status": "on/off", "starttime": "19:00", "endtime": "21:00", "errorcode": 0 }</pre>

13.upgrade

1) cube 升级

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" "subaction": "upgrade" "moduletype": "cube" "upgradecmd": "startupgrade" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
------	----------------------------------

body	{ "msgid":"2387r958273894" "action":" response" "subaction":" upgrade" "moduletype":" cube" "upgradecmd":" startupgrade" "errorcode":0 }

2) module 升级

直接升级，不用通知用户有新版本。
升级提示跟 Cube Base 一起。升级版是个 Cube 系统整体的升级包。

3) 升级提示

通知手机 App 有新版本可以升级。

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "action":" event", "subaction":"upgrade", "moduletype":" cube", "upgradecmd":" newversion", "version":"0.0.1.1234", "releasedate":"2016-01-29", "forceupgrade":"yes/no", }

	<pre>"description": "fix bugs, add new features" }</pre>

forceupgrade, 是否强制升级

4) 查询 **cube** 是否有新版本

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "action": "request", "subaction": "upgrade", "moduletype": "cube", "upgradecmd": "newversion" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "action": "response", "subaction": "upgrade", "moduletype": "cube", "upgradecmd": "newversion", "version": "0.0.1.1234", "releasedate": "2016-01-29", "forceupgrade": "yes/no", "description": "fix bugs, add new features", "errorcode": 0 }</pre>

forceupgrade，是否强制升级

14.HDMI

1) HDMI 控制

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "action": "event" "subaction": "hdmicontrol" "keytype": "up" }

15.Backaudio 配置及控制

1) Backaudio 设备配置

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "request" "subaction": "configmodule" "moduletype": "backaudio" "configtype": "add" }

	<pre>"moduleserialnum":"afe3134" "aliasname":"家庭影音" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"request" "subaction":" configmodule"" "moduletype":" backaudio" "configtype":" modify" "moduleserialnum":"afe3134" "aliasname":"家庭影音" "errorcode":"0" "responseprimaryid":199 (loop 的唯一 id, 64 位 long 类型) }</pre>

2) 修改 Backaudio 设备

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"request" "subaction":" configmodule"" "moduletype":" backaudio" "configtype":"modify" "primaryid":4 }</pre>

	<pre>"aliasname": "家庭影音 modify" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" "subaction": "configmodule" "moduletype": "backaudio" "configtype": "modify" "primaryid": 4 "aliasname": "家庭影音 modify" "errorcode": "0" }</pre>

3) 删除 Backaudio 设备

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" "subaction": "configmodule" "moduletype": "backaudio" "configtype": "delete" "primaryid": 3 }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"request" "subaction":" configmodule" "moduletype":" backaudio" "configtype":" delete" "primaryid":3 "errorcode":"0" }

4) 配置 **Backaudio** 回路

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"request" "subaction":" configdevice" "moduletype":" backaudio" "configtype":"add" "primaryid":100 (backaudio 设备表的 id) "device loopmap": [{ "loopid":1 "roomid":1 "aliasname":"背景音乐" }

	<pre>}, { "loopid":2 "roomid":3 "aliasname":"背景音乐" }] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"response" "subaction":"configdevice" "moduletype":" backaudio" "configtype":"add" "primaryid":100 "deviceloopmap": [{ "loopid":1 "roomid":1 "aliasname":"背景音乐" "errorcode":0 "responseprimaryid":199 (loop 的唯一 id, 64 位 long 类型) }, {</pre>

	<pre>"portid":2 "roomid":3 "aliasname":"背景音乐" "errorcode":0 "responseprimaryid":200 (loop 的唯一 id, 64 位 long 类型) }] }</pre>

5) 修改 **Backaudio** 回路

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"request" "subaction":"configdevice" "moduletype":" backaudio" "configtype":"modify" "deviceloopmap": [{ "primaryid":4 "roomid":2 "aliasname":"背景音乐 modify" }, { "primaryid":5 "roomid":2 }</pre>

	<pre>"aliasname": "背景音乐 modify" }] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": "configdevice" "moduletype": "backaudio" "configtype": "modify" "device loopmap": [{ "primaryid": 4 "roomid": 2 "aliasname": "背景音乐 modify" "errorcode": 0 }, { "primaryid": 5 "roomid": 2 "aliasname": "背景音乐 modify" "errorcode": 0 }] }</pre>

	}

6) 删除 Backaudio 回路

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "request" "subaction": "configdevice" "moduletype": "backaudio" "configtype": "delete" "deviceloopmap": [{ "primaryid": 3 }, { "primaryid": 4 }] }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "response" "subaction": "configdevice"

	<pre>“moduletype”:” backaudio” “configtype”:”delete” “deviceloopmap”: [{ “primaryid”:3 “errorcode”:0 }, { “primaryid”:4 “errorcode”:0 }] }</pre>

7) backaudio 控制

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ “msgid”:”2387r958273894” “action”:”request” “subaction”:”setdevice” “moduletype”:” backaudio” “moduleserialnum”:”afe3134” “loopid”:1 “keytypeloop” [{ “keytype”:”volume”</pre>

	<pre>"keyvalue": "22" }] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": "setdevice" "moduletype": "backaudio" "moduleserialnum": "afe3134" "loopid": 1 "keytypeloop" [{ "keytype": "volume" "keyvalue": "22" "errorcode": 0 }] }</pre>

协议	Keytype	Keyvalue
----	---------	----------

设置 backaudio 主机别名	aliasname	"BackAudioFloor1"
打开/关闭 backaudio 通道	power	"on/off"
设置 backaudio 通道音量	volume	"22"
播放/暂停 backaudio 通道	playstatus	"play/pause"
设置 backaudio 通道单曲循环	singlecycle	"on/off"
设置 backaudio 通道音乐来源	source	"mp3/fm/cloud..."
backaudio 通道音乐切歌	switchsong	"next/previous"
backaudio 通道静音	mute	"on/off"

8) backaudio 查询

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "request" "subaction": "readdevice" "moduletype": "backaudio" "moduleserialnum": "afe3134" "loopid": 1 }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894" "action": "response" "subaction": "setdevice" "moduletype": "backaudio" "moduleserialnum": "afe3134" "loopid": 1 }

	<pre>"errorCode":0 "keytypeloop" [{ "keytype":"source" "keyvalue":"***" } { "keytype":"mute" "keyvalue":"on" }] }</pre>

9) backaudio 通知

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "action":"event" "subaction":"backaudioinfo" "moduletype":" backaudio" "moduleserialnum":"afe3134" "loopid":1 "keytypeloop" [{ "keytype":"source" "keyvalue":"***" } }</pre>

] }

16.IR 配置及控制

1) Wifi ir 模块配置

添加和修改：“configtype”:" add/ modify”

ircommand: 控制(send)/对码(study)/配置 wifi(wificonfig)/add/delete/save

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ “action”:"request", “subaction”:" configmodule", “configtype”:"add", “ircommand”:"add", “moduletype”:" ir", “modulemacaddr”:"12:23:45:65:67:89", “moduleipaddr”:"192.168.1.45", “aliasname”:"红外设备", "wifiirtype":"SP2", "wifiirname":"智能插座", "wifiirlock":0, "wifiirpassword":987961777, "wifiirid":0, "wifiirsubdevice":0,

	"wifiikey":"097628343fe99e23765c1513accf8b02" }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894", "action":"response", "subaction":" configmodule", "configtype":"add", "ircommand":"add", "moduletype":" ir", "modulemacaddr":"12:23:45:65:67:89", "aliasname":"红外设备", "moduleipaddr":"192.168.1.45", "aliasname":"红外设备", "wifiirtype":"SP2", "wifiirname":"智能插座", "wifiirlock":0, "wifiirpassword":987961777, "wifiirid":0, "wifiirsubdevice":0, "wifiikey":"097628343fe99e23765c1513accf8b02", "responseprimaryid":199 (loop 的唯一 id, 64 位 long 类型) "subresponseprimaryid":199 (Wifi IR Info 的 id) "errorcode":"0" }

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2) 修改 Wifi ir 模块

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "action": "request", "subaction": "configmodule", "configtype": "modify", "moduletype": "ir", "primaryid": 4 "aliasname": "红外设备 modify", }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894", "action": "response", "subaction": "configmodule", "configtype": "modify", "moduletype": "ir", "primaryid": 4 "aliasname": "红外设备 modify", "errorcode": "0" }

3) 删除 Wifi IR 模块

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894", "action":"request", "subaction":" configmodule", "configtype":"delete", "moduletype":"ir", "primaryid":3 }

Head	PHONE_CUBE_PROTOCOL 0x00 0x*****
Body	{ "msgid":"2387r958273894", "action":"response", "subaction":" configmodule", "configtype":"delete", "moduletype":" ir", "primaryid":3 "errorcode":0 }

4) Wifi IR 控制

Command: 控制(send)/对码(study)/配置 wifi(wificonfig)/add/delete

Head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894",

	<pre>“action”:“request”, “subaction”:“ setdevice”, “ircommand”:“send”, “moduletype”:“ir”, “name”:“关机”,//手机上 button 的名字 “imagename”:“image_poweroff””,//手机上 button 的图片 “modulemacaddr”:“12:23:45:65:67:89”, “wifiirdata”:[{“data”:“ 26006c01a6470c3b0c170c170d170c3b0c170d170c”}, {“data”:“ 26006c01a6470c3b0c170c170d170c3b0c170d170c”}] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ “msgid”:“2387r958273894”, “action”:“ response”, “subaction”:“ setdevice”, “ircommand”:“send”, “name”:“关机”,//手机上 button 的名字 “imagename”:“image_poweroff””,//手机上 button 的图片 “moduletype”:“ir”, “modulemacaddr”:“12:23:45:65:67:89”, “errorcode”:0 }</pre>

5) Wifi IR 对码

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894", "action":"request", "subaction":" setdevice", "ircommand":"study", "moduletype":"ir", "modulemacaddr":"12:23:45:65:67:89" "name":"关机",//手机上 button 的名字 "imagename":"image_poweroff" ",//手机上 button 的图片 }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894", "action":" response", "subaction":" setdevice", "ircommand":" study", "moduletype":"ir", "modulemacaddr":"12:23:45:65:67:89", "name":"关机",//手机上 button 的名字 "imagename":"image_poweroff" ",//手机上 button 的图片 "wifiirdata":[

	<pre>{ "data": "26006c01a6470c3b0c170c170d170c3b0c170d170c", "data": "26006c01a6470c3b0c170c170d170c3b0c170d170c" } "errorcode":0 }</pre>

6) Wifi IR 保存遥控器 (loop)

对码完成后，保存该遥控器。

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894", "action": "request", "subaction": "configdevice", "moduletype": "ir", "configtype": "add", "ircommand": "save", "primaryid": 100 (外围设备表的 id) "aliasname": "空调遥控", "roomid": 3 "type": "dvd/tv/air-condition", "codeloopmap": [{ "name": "关机", //手机上 button 的名字 "imagename": "image_poweroff", //手机上 button 的图片 "wifiirdata": [{"data": "26006c01a6470c3b0c170c170d170c3b0c170d170c"}, {"data": "26006c01a6470c3b0c170c170d170c3b0c170d170c"}]</pre>

	<pre>26006c01a6470c3b0c170c170d170c3b0c170d170c"}] }, { "name": "制冷 26 度", "imagename": " 制冷 26 度", "wifiirdata": [{"data": " 26006c01a6470c3b0c170c170d170c3b0c170d170c"}, {"data": " 26006c01a6470c3b0c170c170d170c3b0c170d170c"}] },] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894", "action": " response", "subaction": " configdevice", "moduletype": "ir", "configtype": "add", "ircommand": " save", "primaryid": 100 "loopname": "空调遥控", "roomid": 3 "type": "air", "responseprimaryid": 199 (loop 的唯一 id, 64 位 long 类型) "code loopmap": [{</pre>

	<pre>“name”:“关机”,//手机上 button 的名字 “imagename”:“image_poweroff””,//手机上 button 的图片 “errorcode”:0, “responseprimaryid”:1（loop 的唯一 id，64 位 long 类型） “wifiirdata”:[{“data”:“ 26006c01a6470c3b0c170c170d170c3b0c170d170c”},{“data”:“ 26006c01a6470c3b0c170c170d170c3b0c170d170c”}] }, { “name”:“制冷 26 度”, “imagename”:“image_””,//手机上 button 的图片 “errorcode”:0, “responseprimaryid”:2（loop 的唯一 id，64 位 long 类型） “wifiirdata”:[{“data”:“ 26006c01a6470c3b0c170c170d170c3b0c170d170c”},{“data”:“ 26006c01a6470c3b0c170c170d170c3b0c170d170c”}] },], “errorcode”:0 }</pre>

7) Wifi IR 快速网络配置

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ “msgid”:“2387r958273894”, “action”:“request”, “subaction”:“setdevice”, “ircommand”:“wificonfig”, “moduletype”:“ir”,</pre>

	<pre>"wifissid":"HomeSystem", "wifipassword":"1234567890" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894", "action":" response", "subaction":" setdevice", "ircommand":"wificonfig", "moduletype":"ir", "errorcode":0 }</pre>

8) 修改遥控器 (loop)

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894", "action":" request", "subaction":" configdevice", "moduletype":"ir", "configtype":"modify", "aliasname":"空调遥控 modify", "roomid":1 "primaryid":100 }</pre>

--	--

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894", "action":"response", "subaction":" configdevice", "moduletype":"ir", "configtype":"modify", "aliasname":"空调遥控 modify", "roomid":1 "errorcode":0 "primaryid":100 }

9) 删除遥控器 (loop)

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"request" "subaction":"configdevice" "moduletype":" ir" "configtype":"delete" "deviceloopmap": [{

	<pre>"primaryid":3 }, { "primaryid":4 }] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": "configdevice" "moduletype": "ir" "configtype": "delete" "device loopmap": [{ "primaryid":3 "errorcode":0 }, {</pre>

	<pre>"primaryid":4 "errorcode":0 }] }</pre>

17.场景 scenario 配置及控制

1) scenario 配置

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" "subaction": "configdevice" "moduletype": "scenario" "configtype": "add" "aliasname": "睡眠" "imagename": "imagename1" scenarioloopmap [{ "primaryid": 1000 "moduletype": "relay" "actioninfo":</pre>


```
{  
  "status":on,  
  "openclosepercent":50,  
  "status":" opening"  
  
},  
  
{  
  "primaryid":1000  
  "moduletype":"wiredzone"  
  "isarm":" arm"  
  
},  
  
{  
  "primaryid":1000  
  "moduletype":" backaudio"  
  "actioninfo":  
  {  
    //针对 backaudio  
    "controlmap":[  
      {  
        "keytype":"volumn"  
        "keyvalue":22  
      },  
      {  
        "keytype":"power"  
        "keyvalue":"on"  
      },  
    ],  
  }  
}
```

```
}  
},  
{  
  "primaryid":1001  
  "moduletype":"485"  
  "actioninfo":  
  {  
    settemp":23  
    "mode":"cooling"  
    "fanspeed":"high"  
    "status":"on"  
  },  
},  
  
{  
  "primaryid":1002  
  "moduletype":"bacnet"  
  "actioninfo":  
  {  
    settemp":25  
    "mode":"cooling"  
    "fanspeed":"high"  
    "status":"on"  
  },  
},
```

	<pre>//485 新风 { "primaryid":1 "moduletype":"485" "actioninfo": { power":on "mode":" humidity" "fanspeed":"high" "cycletype":" inner" }, }, //relay 新风 { "primaryid":1 "moduletype":" ventilation" "actioninfo": { power":on "mode":" humidity" "fanspeed":"high" "cycletype":" inner" }, },</pre>
--	--

	<div>.....</div> <div>]</div> <div>}</div>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<div>{</div> <div>“msgid”:“2387r958273894”</div> <div>“action”:“request”</div> <div>“subaction”:“ configdevice”</div> <div>“moduletype”:“ scenario”</div> <div>“configtype”:“add”</div> <div>“aliasname”:“睡眠”</div> <div>“imagename”:“imagename1”</div> <div>scenarioloopmap</div> <div>[</div> <div>{</div> <div>“primaryid”:1000</div> <div>“moduletype”:“relay”</div> <div>“errorcode”:0</div> <div>“responseprimaryid”:100</div> <div>“actioninfo”:</div> <div>{</div> <div>“status:on,</div> <div>“openclosepercent”:50,</div>

	<pre> “status”:” opening” }, }, { “primaryid”:1000 “moduletype”:”wiredzone” ”isarm”:” arm” “errorcode”:0 “responseprimaryid”:100 }, { “primaryid”:1000 “moduletype”:” backaudio” “errorcode”:0 “responseprimaryid”:100 “actioninfo”: { //针对 backaudio “controlmap”:[{ “keytype”:”volumn” “keyvalue”:22 }, { “keytype”:”power” “keyvalue”:”on” },] </pre>
--	--

	<pre>} }, { "primaryid":1001 "moduletype":"485" "errorcode":0 "responseprimaryid":100 "actioninfo": { settemp":23 "mode":"cooling" "fanspeed":"high" "status":"on" }, }, { "primaryid":1002 "moduletype":"bacnet" "errorcode":0 "responseprimaryid":100 "actioninfo": { settemp":25 "mode":"cooling" "fanspeed":"high" "status":"on"</pre>
--	---

	<pre>}, }, //485 新风 { "primaryid":1 "moduletype":"485" "errorcode":0 "responseprimaryid":100 "actioninfo": { power":on "mode":" humidity" "fanspeed":"high" "cycletype":" inner" }, }, //relay 新风 { "primaryid":1 "moduletype":" ventilation" "errorcode":0 "responseprimaryid":101 "actioninfo": { power":on "mode":" humidity" "fanspeed":"high"</pre>
--	---

	<pre>"cyclotype": "inner" }, }, ] }</pre>

2) 修改 scenario 配置

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" "subaction": "configdevice" "moduletype": "scenario" "scenarioid": 100 "configtype": "modify" "aliasname": "睡眠 modify" "imagename": "imagename1modify" scenarioloopmap [{ "primaryid": 1000 "moduletype": "relay" "configtype": "modify/add" "actioninfo": { "openclosepercent": 50,</pre>

	<pre>"status": "opening" }, }, { "primaryid": 1000 "configtype": "modify/add" "moduletype": "wiredzone" "isarm": "arm" }, { "primaryid": 1000 "moduletype": "backaudio" "configtype": "modify/add" "actioninfo": { //针对 backaudio "controlmap": [{ "keytype": "volumn" "keyvalue": 22 },] }, { "primaryid": 1000 "moduletype": "relay"</pre>
--	--

	<pre>"configtype":"delete"] } }, { "primaryid":1001 "moduletype":"485" "configtype":"modify/add" "actioninfo": { settemp":23 "mode":"cooling" "fanspeed":"high" "status":"on" }, }, { "primaryid":1002 "moduletype":"bacnet" "configtype":"modify/add" "actioninfo": { settemp":25 "mode":"cooling" "fanspeed":"high" "status":"on"</pre>
--	---

	<pre>}, }, ] }</pre>
--	--

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": "configdevice" "scenarioid": 100 "moduletype": "scenario" "configtype": "modify" "aliasname": "睡眠 modify" "imagename": "imagename1modify" scenarioloopmap [{ "primaryid": 1000 "moduletype": "relay" "configtype": "modify/add" "errorcode": 0 "actioninfo": { "openclosepercent": 50, "status": " opening"</pre>

	<pre>}, }, { "primaryid":1000 "configtype":"modify/add" "errorcode":0 "moduletype":"wiredzone" "isarm":" arm" }, { "primaryid":1000 "moduletype":" backaudio" "configtype":"modify/add" "errorcode":0 "actioninfo": { //针对 backaudio "controlmap":[{ "keytype":"volumn" "keyvalue":22 },] } }, { "primaryid":1000</pre>
--	---

	<pre>"moduletype": "relay" "errorCode": 0 "configtype": "delete"] } }, { "primaryid": 1001 "moduletype": "485" "configtype": "modify/add" "actioninfo": { settemp": 23 "mode": "cooling" "fanspeed": "high" "status": "on" }, }, { "primaryid": 1002 "moduletype": "bacnet" "configtype": "modify/add" "actioninfo": { settemp": 25 "mode": "cooling"</pre>
--	---

	<pre>"fanspeed": "high" "status": "on" }, }, ] }</pre>
--	--

3) 删除 scenario

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" "subaction": "configdevice" "moduletype": "scenario" "configtype": "delete" "scenarioid": 100 }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": "configdevice" "moduletype": "scenario" "configtype": "delete" }</pre>

	<pre>"scenarioid":100 "errorcode":0 }</pre>
--	---

4) scenario 控制

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"request" "subaction":" setdevice" "moduletype":" scenario" "scenarioid":10 "securitypwd":"1123445" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"request" "subaction":" setdevice" "moduletype":" scenario" "scenarioid":10 "errorcode":300 "alarmzoneloopmap": [{ "moduletype":"wiredzone", "modulemacaddr":"aa:bb:cc:dd:ee:ff", }</pre>

	<pre>“loopid”:1, “alias”:“红外探头”, “zonestatusmap”:[{ “keytype”:“help”, “keyvalue”:“trigger”, “messageId”:“50” }, { “keytype”:“temper”, “keyvalue”:“trigger”, “messageId”:“60” } ], },]</pre>

18.场景联动

1) 场景联动规则配置

Head	PHONE_CUBE_PROTOCOL 0x00 0x*****
------	----------------------------------

Body	<pre>{ "msgid":"2387r958273894" "action":"request" "subaction":" configdevice" "moduletype":" scenariotrigger" "configtype":"add", "status": "on/off", "delaytime":120, // seconds "availabletime":{ "status":"on/off", "starttime":"07:00 am", "endtime":"10:00 am", "frequency":"everydata/everyworkday", }, "triggertype":"trigger", "aliasname":"Rule Name XXXX", "description":"这是第一个联动规则", "condition":[{ "moduletype":"sparklighting", "primaryid":199, (loop的primaryid) "actioninfo": { "type":"valuelowerthan/valuehigherthan/alarm/event", " keytype":"temperature/pm2_5/humidity/batterylow/fire/help/gas/thief", "keyvalue":"20/trigger" }, },], }</pre>
------	--

	<pre>{ "moduletype":"ipvdp", "primaryid":6, (loop的primaryid) "actioninfo" { "type":" alarm ", "keytype":" fire", "keyvalue":"trigger" } }, { "moduletype":"roomname", "roomid":2, "actioninfo" { "type":" valuelowerthan ", "keytype":" temperature ", "keyvalue":"25" } },], "triggeraction":[{ "type":"scenariocontrol", "actioninfo":{ "scenarioid":1, "securitypwd":"1123445", } },],</pre>
--	--

	<pre>{ "type":"scenariocontrol", "actioninfo":{ "scenarioid":2, "securitypwd":"1123445", } }, { "type":"devicecontrol", "devicecontrolmap":[{ "moduletype":"relay", "primaryid":1000, "actioninfo" { "status":"on", "openclosepercent":50 } }, { "moduletype":"ipc", "primaryid":1000,(ipc stream info 的primaryid) }, { "primaryid":1001 "moduletype":"485" "actioninfo": { settemp":23 } }] }</pre>
--	--

	<pre> "mode": "cooling" "fanspeed": "high" "status": "on" }, }, { "primaryid": 1002 "moduletype": "bacnet" "actioninfo": { settemp: 25 "mode": "cooling" "fanspeed": "high" "status": "on" }, }, //485 新风 { "primaryid": 1 "moduletype": "485" "actioninfo": { power: on "mode": "humidity" "fanspeed": "high" "cycletype": "inner" }, },</pre>
--	--

	<pre>}, //relay 新风 { "primaryid":1 "moduletype":" ventilation" "actioninfo": { power":on "mode":" humidity" "fanspeed":"high" "cycletype":" inner" }, }, { }, }, },]</pre>

Head	PHONE_CUBE_PROTOCOL 0x00 0x*****
Body	{ "msgid":"2387r958273894"

	<pre>"action": "response" "subaction": "configdevice" "moduletype": "scenariotrigger" "configtype": "add", "responseprimaryid": 100 "status": "on/off", "delaytime": 120, // seconds "availabletime": { "status": "on/off", "starttime": "07:00 am", "endtime": "10:00 am", "frequency": "everydata/everyworkday", }, "triggertype": "trigger", "aliasname": "Rule Name XXXX", "description": "这是第一个联动规则", "condition": [{ "moduletype": "sparklighting", "primaryid": 199, (loop的primaryid) "responseprimaryid": 100 "actioninfo": { "type": "valuelowerthan/valuehigherthan/alarm/event", "keytype": "temperature/batterylow/alarm", "keyvalue": "20/trigger" }, "erroddcode": 0 }]</pre>
--	--

```
    },  
    {  
      "moduletype":"ipvdp",  
      "primaryid":6, (loop的primaryid)  
      "actioninfo"  
      {  
        "type":" alarm ",  
        "keytype":" alarm",  
        "keyvalue":"trigger"  
      }  
      erroddcode":0  
    },  
    {  
      "moduletype":"roomname",  
      "roomid":2,  
      "actioninfo"  
      {  
        "type":" valuelowerthan ",  
        "keytype":" temperature ",  
        "keyvalue":"trigger"  
      }  
      erroddcode":0  
    },  
  ],  
  "triggeraction":[  
    {  
      "type":"scenariocontrol",  
      "responseprimaryid":100  
      "actioninfo":{
```

	<pre>"scenarioid":1, "securitypwd":"1123445", } "erroddcode":0 }, { "type":"scenariocontrol", "responseprimaryid":101 "actioninfo":{ "scenarioid":2, "securitypwd":"1123445", } "erroddcode":0 }, { "type":"devicecontrol", "devicecontrolmap":[{ "moduletype":"relay", "primaryid":1000, "responseprimaryid":1111 "actioninfo" { "status":"on", "openpercent":50 } } { "primaryid":1001</pre>
--	---

	<pre> "moduletype": "485" "actioninfo": { settemp": 23 "mode": "cooling" "fanspeed": "high" "status": "on" }, responseprimaryid": 1111 }, { "primaryid": 1002 "moduletype": "bacnet" "actioninfo": { settemp": 25 "mode": "cooling" "fanspeed": "high" "status": "on" }, responseprimaryid": 1111 }, }, //485新风 { "primaryid": 1 </pre>
--	--

	<pre>“moduletype”:"485" “errorcode”:0 “responseprimaryid”:100 “actioninfo”: { power”:on “mode”:" humidity" “fanspeed”:"high" “cycletype”:" inner" }, }, //relay新风 { “primaryid”:1 “moduletype”:" ventilation" “errorcode”:0 “responseprimaryid”:101 “actioninfo”: { power”:on “mode”:" humidity" “fanspeed”:"high" “cycletype”:" inner" }, }, { },</pre>
--	---

	<pre>.....], },] }</pre>

2) 修改场景联动规则

Head	PHONE_CUBE_PROTOCOL 0x00 0x*****
Body	<pre>{ "msgid":"2387r958273894" "action":"request" "subaction":" configdevice" "moduletype":" scenariotrigger" "configtype":"modify", "status": "on/off", "primaryid":100 "delaytime":120, // seconds "availabletime":{ "status":"on/off", "starttime":"07:00 am", "endtime":"10:00 am", "frequency":"everydata/everyworkday", }, "triggertype":"trigger", "aliasname":"Rule Name XXXXmodify", "description":"这是第一个联动规则modify", "condition":[{ //被修改或增加的device</pre>

	<pre>"moduletype":"sparklighting", "primaryid":199, (loop的primaryid) "configtype":"modify/add" "actioninfo": { "type":"valuelowerthan/valuehigherthan/alarm/event", "keytype":"temperature/batterylow/alarm", "keyvalue":"20/trigger" }, }, //被删除的device { "moduletype":"sparklighting", "primaryid":220, (loop的primaryid) "configtype":"delete" //删除不用actioninfo }, { // second condition },], "triggeraction":[//被增加的 { "type":"scenariocontrol", "configtype":"add" "actioninfo":{ "scenarioid":1, "securitypwd":"1123445",</pre>
--	--

	<pre> } }, //被修改的 { "type":"scenariocontrol", "primaryid":199, (trigerscenario的id) "configtype":"modify" "actioninfo":{ "scenarioid":1, "securitypwd":"1123445", } }, //被删除的 { "type":"scenariocontrol", "configtype":"delete" "primaryid":200, (trigerscenario的id) //删除不用actioninfo }, { "type":"devicecontrol", "devicecontrolmap":[//被增加或者是修改的的 { "moduletype":"relay", "configtype":"add" primaryid":1000,(loop的primaryid) "actioninfo"</pre>
--	--

	<pre>{ "status": "on", "openclosepercent": 50 } }, //被删除的 { "moduletype": "relay", "primaryid": 1000, (loop的primaryid) "configtype": "delete" //删除不用actioninfo }, { },], },] }</pre>
--	---

Head	PHONE_CUBE_PROTOCOL 0x00 0x*****
Body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": "configdevice" "moduletype": "scenariotrigger" }</pre>

	<pre>"configtype":"modify", "status": "on/off", "primaryid":100 "delaytime":120, // seconds "availabletime":{ "status":"on/off", "starttime":"07:00 am", "endtime":"10:00 am", "frequency":"everydata/everyworkday", }, "triggertype":"trigger", "aliasname":"Rule Name XXXXmodify", "description":"这是第一个联动规则modify", "condition":[//被修改或增加的device "moduletype":"sparklighting", "primaryid":199, (loop的primaryid) "configtype":"modify/add" "responseprimaryid":200 "erroddcode":0 "actioninfo": { "type":"valuelowerthan/valuehigherthan/alarm/event", "keytype":"temperature/batterylow/alarm", "keyvalue":"20/trigger" }, }, //被删除的device {</pre>
--	--

	<pre>"moduletype":"sparklighting", "primaryid":220, (loop的primaryid) "configtype":"delete" //删除不用actioninfo "responseprimaryid":200 "errodcode":0 }, { // second condition },], "triggeraction":[//被增加的 { "type":"scenariocontrol", "configtype":"add" "errodcode":0 "responseprimaryid":200 "actioninfo":{ "scenarioid":1, "securitypwd":"1123445", } }, //被修改的 { "type":"scenariocontrol", "primaryid":199, (trigerscenario的primaryid) "configtype":"modify"</pre>
--	--

	<pre> "erroddcode":0 "responseprimaryid":199 "actioninfo":{ "scenarioid":1, "securitypwd":"1123445", } }, //被删除的 { "type":"scenariocontrol", "configtype":"delete" "erroddcode":0 "primaryid":200, (trigerscenario的primaryid) //删除不用actioninfo "responseprimaryid":200 }, { "type":"devicecontrol", "deviceloopmap":[//被增加或修改的 { "moduletype":"relay", "primaryid":1000,(loop的primaryid) "configtype":"add/modify" "responseprimaryid":200 "erroddcode":0 "actioninfo" { "status":"on",</pre>
--	---

	<pre> "openclosepercent":50 } }, //被删除的 { "moduletype":"relay", "primaryid":1000,(loop的primaryid) "configtype":"delete" "errodcode":0 //删除不用actioninfo "responseprimaryid":200 }, { },], },] }</pre>
--	--

3) 删除联调场景

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":" 2387r958273894", "action":" request", "subaction":" configdevice",</pre>

	<pre>"moduletype": "scenariotrigger", "configtype": "delete", "primaryid": 1, }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894", "action": "response", "subaction": "configdevice", "moduletype": "scenariotrigger", "configtype": "delete", "primaryid": 1, "errorcode": 0, }</pre>

4) 获取联动规则

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894", "action": "request", "subaction": "configdevice", "moduletype": "scenariotrigger", "primaryid": 1, }</pre>
Head	PHONE_CUBE_PROTOCOL 0x00 0x*****

Body	<pre>{ "msgid":"2387r958273894", "action":"response", "subaction":" configdevice", "moduletype":" scenariotrigger", "primaryid":1, "status": "on/off", "delaytime":120, // seconds "availabletime":{ "starttime":"07:00 am", "endtime":"10:00 am", "frequency":"everydata/everyworkday", }, "triggertype":"trigger", "aliasname":"Rule Name XXXX", "description":"If detects abnormal event, sending message", "condition":[{ "moduletype":"sparklighting", "moduleipaddr":"192.168.31.18", "modulemacaddr":"11:22:33:44:55:66", "loopid":1, "type":"valuelowerthan/valuehigherthan/alarm/event", "key":"temperature/batterylowalarm", "value":"20/trigger" }, { // second condition },], }</pre>
------	---

```
],
"triggeraction":[
  {
    "type":"scenariocontrol",
    "scenarioid":1,
    "securitypwd":"1123445",
  },
  {
    "type":"devicecontrol",
    "deviceloopmap":[
      {
        "moduletype":"sparklighting",
        "moduleipaddr":"92.168.1.50",
        "maskid":1,
        "deviceid":6,
        "loopid":1,
        "looptype":"light",
        "status":"on",
        "openclosepercent":50,
      },
      {
        .....
      },
      .....
    ],
  },
],
"errorcode":0,
```

	}

5) Enable/Disable 场景联动规则

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894", "action": "request", "subaction": "configdevice", "moduletype": "scenariotrigger", "primaryid": 1, "switchstatus": "on/off", }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid": "2387r958273894", "action": "response", "subaction": "configdevice", "moduletype": "scenariotrigger", "primaryid": 1, "status": "on/off", "errorcode": 0 }

19.schedule 规则

1) schedule 规则配置

Head	PHONE_CUBE_PROTOCOL 0x00 0x*****
Body	<pre>{ "msgid": "2387r958273894" "action": "request" "subaction": "configdevice" "moduletype": "schedulerule" "configtype": "add", "status": "on/off", "aliasname": "Rule Name XXXX", "description": "If detects abnormal event, sending message", "availabletime": { //把这个 json 对象直接存储到数据库 "starttime": "13:30:00", "frequency": "single/everyday/everyworkday/customize", "customizedays": [{ "day": "sunday/monday/..." }, ] }, "scheduleaction": [{ "type": "scenariocontrol",</pre>

	<pre> "actioninfo":{ "scenarioid":1, "securitypwd":"1123445", } }, { "type":"scenariocontrol", "actioninfo":{ "scenarioid":2, "securitypwd":"1123445", } }, { "type":"devicecontrol", "deviceloopmap":[{ "moduletype":"sparklighting", "primaryid":100 "actioninfo":{ "status":"on", "openclosepercent":50, } }, { "primaryid":1001 "moduletype":"485" "actioninfo": { settemp":23 } }] } }</pre>
--	--

	<pre> "mode": "cooling" "fanspeed": "high" "status": "on" }, }, { "primaryid": 1002 "moduletype": "bacnet" "actioninfo": { settemp": 25 "mode": "cooling" "fanspeed": "high" "status": "on" }, }, //485 新风 { "primaryid": 1 "moduletype": "485" "actioninfo": { power": on "mode": "humidity" "fanspeed": "high" "cycletype": "inner" }, },</pre>
--	--

	<pre> }, //relay 新风 { "primaryid":1 "moduletype":" ventilation" "actioninfo": { power":on "mode":" humidity" "fanspeed":"high" "cycletype":" inner" }, }, { }, ], },], }</pre>

Head	PHONE_CUBE_PROTOCOL 0x00 0x*****
Body	{

	<pre>"msgid":"2387r958273894" "action":"response" "subaction":" configdevice" "moduletype":" schedulerule" "configtype":"add", "primaryid":100 "status": "on/off", "aliasname":"Rule Name XXXX", "description":"If detects abnormal event, sending message", "availabletime":{"//把这个 json 对象直接存储到数据库 "starttime":"13:30:00", "frequency":"single/everyday/everyworkday/customize", "customizedays":[{ "day":"sunday/monday/..." }, ] }, "scheduleaction":[{ "type":"scenariocontrol", "responseprimaryid":100 "actioninfo":{ "scenarioid":1, "securitypwd":"1123445", } },],</pre>
--	---

```
{
  "type":"scenariocontrol",
  "responseprimaryid":101
  "actioninfo":{
    "scenarioid":2,
    "securitypwd":"1123445",
  }
},
{
  "type":"devicecontrol",
  "deviceloopmap":[
    {
      "moduletype":"sparklighting",
      "primaryid":100
      "responseprimaryid":100
      "actioninfo":{
        "status":"on",
        "openclosepercent":50,
      }
    },
    {
      "primaryid":1001
      "moduletype":"485"
      "responseprimaryid":100
      "actioninfo":
      {
        settemp":23
        "mode":"cooling"
        "fanspeed":"high"
      }
    }
  ]
}
```

	<pre> "status": "on" }, { "primaryid": 1002 "moduletype": "bacnet" "responseprimaryid": 100 "actioninfo": { settemp": 25 "mode": "cooling" "fanspeed": "high" "status": "on" }, }, //485 新风 { "primaryid": 1 "moduletype": "485" "errorcode": 0 "responseprimaryid": 100 "actioninfo": { power": on "mode": " humidity" "fanspeed": "high" "cycletype": " inner"</pre>
--	---

	<pre> }, }, //relay 新风 { "primaryid":1 "moduletype":" ventilation" "errorcode":0 "responseprimaryid":101 "actioninfo": { power":on "mode":" humidity" "fanspeed":"high" "cycletype":" inner" }, }, { }, }, }, }, }</pre>

2) 修改 schedule 规则

Head	PHONE_CUBE_PROTOCOL 0x00 0x*****
Body	<pre>{ "msgid": "2387r958273894" "action": "request" "subaction": "configdevice" "moduletype": "schedulerule" "configtype": "modify", "primaryid": 1 "status": "on/off", "aliasname": "Rule Name XXXX", "description": "If detects abnormal event, sending message", "availabletime": "//把这个 json 对象直接存储到数据库 "starttime": "13:30:00", "frequency": "single/everyday/everyworkday/customize", "customizedays": [{ "day": "sunday/monday/..." }, ] }, "scheduleaction": [//被增加的 { "type": "scenariocontrol", "configtype": "add" "actioninfo": {</pre>

	<pre>"scenarioid":1, "securitypwd":"1123445", } }, //被修改的 { "type":"scenariocontrol", "primaryid":1 (schedulescenario的primaryid) "configtype":"modify" "actioninfo":{ "scenarioid":1, "securitypwd":"1123445", } }, //被删除的 { "type":"scenariocontrol", "primaryid":2 (schedulescenario的primaryid) "configtype":"delete" }, { "type":"devicecontrol", "deviceloopmap":[{ "moduletype":"sparklighting", "primaryid":100 (scheduledevice的primaryid) "configtype":"add/modify" "actioninfo":{ "status":"on",</pre>
--	---

	<pre> "openclosepercent":50, } }, { "moduletype":"sparklighting", "primaryid":101 (sceduledevice的primaryid) "configtype":"delete" }, { }, ], },], }</pre>

Head	PHONE_CUBE_PROTOCOL 0x00 0x*****
Body	<pre>{ "msgid":"2387r958273894" "action":"response" "subaction":" configdevice" "moduletype":" schedulerule" "configtype":"modify", "primaryid":1 "status": "on/off",</pre>

	<pre>"aliasname":"Rule Name XXXX", "description":"If detects abnormal event, sending message", "availabletime":{"//把这个 json 对象直接存储到数据库 "starttime":"13:30:00", "frequency":"single/everyday/everyworkday/customize", "customizedays":[{ "day":"sunday/monday/..." }, ] }, "scheduleaction":[//被增加的 { "type":"scenariocontrol", "configtype":"add" "actioninfo":{ "scenarioid":1, "securitypwd":"1123445", } "erroddcode":0 }, //被修改的 { "type":"scenariocontrol", "primaryid":1 (schedulescenario的primaryid) "configtype":"modify"</pre>
--	---

	<pre> "actioninfo":{ "scenarioid":1, "securitypwd":"1123445", } "erroddcode":0 } //被删除的 { "type":"scenariocontrol", "primaryid":2 (schedulescenario的primaryid) "configtype":"delete" "erroddcode":0 }, { "type":"devicecontrol", "devicecontrolmap":[{ "moduletype":"sparklighting", "primaryid":100 (schedulesdevice的primaryid) "configtype":"add/modify" "actioninfo":{ "status":"on", "openpercent":50, } "erroddcode":0 }, { "moduletype":"sparklighting",</pre>
--	---

	<pre> "primaryid":101 (sceduledevice的primaryid) "configtype":"delete" "errodcde":0 }, { }, ], },], }</pre>

3) Schedule 规则删除

Head	PHONE_CUBE_PROTOCOL 0x00 0x*****
Body	<pre>{ "msgid":"2387r958273894" "action":"request" "subaction":" configdevice" "moduletype":" schedulerule" "configtype":" delete", "primaryid":1, }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
------	----------------------------------

body	{ "msgid":" 2387r958273894", "action":" response", "subaction":" configdevice", "moduletype":" schedulerule", "configtype":"delete", "primaryid":1, "errorcode":0 }

4) Enable/Disable schedule 规则

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"request" "subaction":" configdevice" "moduletype":" schedulerule" "primaryid":1, "configtype":"modify", "switchstatus":"on/off", }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"response" "subaction":" configdevice"

	<pre>"moduletype": "schedulerule" "primaryid": 1, "configtype": "modify", "status": "on/off", "errorcode": 0 }</pre>

20. Cube Base 事件上报

1) SD 卡/U 盘插拔事件

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "action": "event" "subaction": "cubedevevent" "eventtype": " sdcardin/sdcardout/sdcarderr/usbdiskin/usbdiskout/recordfail" }</pre>

sdcardin: SD 卡插入

sdcardout: SD 卡弹出

sdcarderr: SD 卡读写出错，SD 卡故障

usbdiskin: U 盘插入

usbdiskout: U 盘弹出

recordfail: 录像失败

2) 录像事件

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "action": "event" "subaction": "cubedevevent" "eventtype": "recordfail" }

recordfail: 录像失败

3) 升级事件

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "action": "event" "subaction": "upgrade" "moduletype": "cube" }

	<pre>"upgradecmd": "result", "version": "0.0.1.1234", "releasedate": "2016-01-29", "errorcode": 0 }</pre>

moduletype: cube/ 485/ 315M433M/ relay/ alarmzone

errorcode:

509: 升级成功

508: 正在升级

500: 未知错误

501: 升级包不正确

502: FLASH 错误

503: 硬件故障

21. room

1) 添加自定义 room

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" "subaction": " configmodule" "moduletype": " room"</pre>

	<pre>"aliasname": "自定义 room1" "configtype": "add" "imagename": "room1" }</pre>
--	---

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": "configmodule" "moduletype": "room" "aliasname": "自定义 room1" "configtype": "add" "responseid": 1 "imagename": "room1" "errorcode": 0 }</pre>

2) 编辑 roomname

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request", "subaction": "configmodule" "moduletype": "room" "configtype": "modify" }</pre>

	<pre>"primaryid":3 "aliasname":"room1 修改" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"response", "subaction":"configmodule" "moduletype":" room" "configtype":"modify" "primaryid":3 "aliasname":"room1 修改" "errorcode":0 }</pre>

3) 删除 roomname

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894" "action":"request", "subaction":" configmodule" "moduletype":"room" "primaryid":2 "configtype":"delete" }</pre>

--	--

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"response" "subaction":" configmodule" "errorcode":0 "moduletype":" sparklighting" "primaryid":2 "configtype":"delete" }

22. environment 查询

1) 查询某个房间的 temperature, humidity, pm2.5

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"request" "subaction":" readdevice" "moduletype":" room" "roomloopmap" }

	<pre>[{ "roomid":1 "type": " temperature" }, { "roomid":2 "type": " humidity" }, { "roomid":3 "type": " pm2.5" },]</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": " readdevice" "moduletype": " room" "roomloopmap" [{ "roomid":1</pre>

	<pre>"type": "temperature" "value": "25"(统一用字符串，以防有些参数无法量化) "errorCode": 0 }, { "roomId": 2 "type": "humidity" "value": "100" "errorCode": 0 }, { "roomId": 3 "type": "pm2.5" "value": "55" "errorCode": 0 },] }</pre>

23. 查看 IPC 联调报警录像

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" }</pre>

	<pre>"subaction": "playipc" "moduletype": "ipc" "moduleipaddr": "192.168.1.50", "timestamp": "2016-04-16T1:20:30Z"</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": "playipc" "moduletype": "ipc" "moduleipaddr": "192.168.1.50", "timestamp": "2016-04-07T1:20:30Z" "errorcode": 0 }</pre>

24. 配置备份与恢复

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894", "action": "request", "subaction": "configbackup",</pre>

	<pre>"moduletype": "cube", "description": "增加新场景。。。。。” }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": "configbackup", "moduletype": "cube", "errorcode": 0 }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894", "action": "request", "subaction": "configrecovery", "moduletype": "cube", "dataid": "config backup file id" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894"</pre>

	<pre>"action": "response" "subaction": "configrecovery", "moduletype": "cube", "dataid": "config backup file id" "errorcode": 0 }</pre>

25. 语音识别开关(默认关)

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" "subaction": "configvoicerecognize" "moduletype": "cube" "status": "on" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" "subaction": "configvoicerecognize"</pre>

	<pre>"moduletype": "cube" "status": "on" "errorcode": 0 }</pre>

26. 获取天气预报，时间，房间情况

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" "subaction": "ipvdpgetdisplayinfo" "moduletype": "ipvdp" "displayinfo" [{ "keytype": "systemtime" }, { "keytype": "weatherinfo" } { "keytype": "roomhealthinfo" "roomid": 1 }]</pre>

] }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"response" "subaction":"ipvdpggetdisplayinfo" "moduletype":"ipvdp" "displayinfoloop" [{ "keytype":"systemtime" "keyvalue":" 1462222321" "errorcode":"0" }, { "keytype":"weatherinfo" "weathertype":"thunderstorm" "tempvalue":22 "humidityvalue":100 "pm25value":234 "pm25text":" good" "errorcode":"0" } } }

	<pre>"keytype": "roomhealthinfo" "roomid": 1 "tempvalue": 22 "humidityvalue": 100 "pm25value": 234 "co2Value": 222 "pm25text": " good" "co2Text": "good" "errorcode": "0" }] }</pre>

27. 通用控制协议

1) 新风控制

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894", "action": "request", "subaction": "setdevice", "moduletype": "ventilation", "controltype": "relay/485", //default: relay "deviceloopmap":</pre>

	<pre>[{ "primaryid":100, "power":"on/off", "mode":"humidity/dehumidity/auto/off/outside", "fanspeed":"high/low/middle", "cycletype":"inner/outside" },]</pre>
备注:	<p>Relay 新风:</p> <p>以上字段都会用到，支持单个控制，如只控制风速；也支持全发，即以上字段全发给 cube。其中，mode 只有 humidity 和 dehumidity。</p> <p>485 新风:</p> <p>只使用 primaryid/mode/fanspeed 三个字段。</p>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894", "action":"response", "subaction":"setdevice", "moduletype":"ventilation", "controltype":"relay/485", //default: relay "deviceloopmap": [{</pre>

	<pre>"primaryid":100, "power":"on/off" "mode":"humidity/dehumidity", "fanspeed":"high/low/middle", "cycletype":"inner/outside", "errorcode":0 },] }</pre>

2) 新风查询

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid":"2387r958273894", "action":"request", "subaction":"readdevice", "moduletype":"ventilation", "controltype":"relay/485", //default: relay "deviceloopmap": [{ "primaryid":100, },] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894", "action": "response", "subaction": "readdevice", "moduletype": "ventilation", "controltype": "relay/485", //default: relay "deviceloopmap": [{ "primaryid": 100, "power": "on/off", "mode": "humidity/dehumidity/auto/off/outside", "fanspeed": "high/low/middle", "cycletype": "inner/outside", "temperature": "25", //可选 "humidity": "60", //可选 "co2": "80", //可选 "pm25": "300", //可选 "errorcode": 0 },] }</pre>
备注	<p>Relay 新风:</p> <p>除了可选字段，其他都会有返回数据。</p> <p>485 新风:</p> <p>只使用 primaryid/mode/fanspeed 三个字段。</p>

3) 空气质量查询

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894", "action":"request", "subaction":"readdevice", "moduletype":"enviroinfo", "controltype":"iaq/485/sparklighting/bacnet", "deviceloopmap": [{ "primaryid":100 },] }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894", "action":"response", "subaction":"enviroinfo", "moduletype":"iaq/485/sparklighting/bacnet", "deviceloopmap": [{ "primaryid":100 },] }

	<pre>[{ "primaryid":100, "temperature":"25",//可选 "humidity":"60",//可选 "co2":"80",//可选 "pm25":"300",//可选 "errorcode":0 },]</pre>
备注	可选字段，如果设备不支持，可以不填。如果支持，一次性全部获取。

28.iaq 配置及控制

1) 发现 iaq 小模块

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "Type": "HEJ-IAQ_223344", "IP": " 192.168.1.125 ", "MAC": "00:1f:11:22:33:44", "MAF": "Honeywell",</pre>

	<pre>"VER": "2015080912" }</pre>

2) 修改 iaq 小模块

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "request" "subaction": " configmodule" "moduletype": "iaq" "primaryid": 4 "configtype": "modify" "aliasname": "iaq 设备 modify" }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "msgid": "2387r958273894" "action": "response" "subaction": " configmodule" "errorcode": 0 "configtype": "modify" "moduletype": " iaq" "primaryid": 4 "aliasname": "iaq 设备 modify" }</pre>

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3) 删除 iaq 小模块

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"request" "subaction":" configmodule" "moduletype":"iaq" "primaryid":3 "configtype":"delete" }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "msgid":"2387r958273894" "action":"response" "subaction":" configmodule" "errorcode":0 "configtype":"delete" "moduletype":" iaq" "primaryid":3 }

4) 配置 iaq 回路(虚拟回路,为了增加房间及名字的概念)

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
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body	{ "action": "request", "subaction": "configdevice" "moduletype": "iaq" "primaryid": 100（外围设备表的 id） "configtype": "add" "deviceLoopmap" [{ "loopid": 1 "roomId": 1 "aliasname": "主卧 iaq" }] }

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "action": "response" "subaction": "configdevice" "moduletype": "iaq" "primaryid": 100 "configtype": "add" "deviceLoopmap" [{ "loopid": 1

	<pre>"errorCode":0 "roomId":1 "aliasname":"主卧 iaq" "responseprimaryid":1 (loop 的唯一 id, 64 位 long 类型) }] }</pre>

5) 修改 iaq 回路（虚拟回路）

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "action":"request", "subaction":"configdevice" "moduletype":" iaq" "configtype":"modify" "deviceLoopmap" [{ "primaryid":4 "roomId":2 "aliasname":"我的次卧 iaq" }] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
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body	{ "action": "response" "subaction": "configdevice" "moduletype": "iaq" "configtype": "modify" "deviceloopmap" [{ "primaryid": 4 "errorcode": 0 "roomid": 2 "aliasname": "我的次卧 iaq" }] }

6) 删除 iaq 回路

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	{ "action": "request", "subaction": "configdevice" "moduletype": "iaq" "configtype": "delete" "deviceloopmap" [{ "primaryid": 3 }

	<pre>}] }</pre>

head	PHONE_CUBE_PROTOCOL 0x00 0x*****
body	<pre>{ "action": "response" "subaction": "configdevice" "moduletype": "iaq" "configtype": "delete" "deviceloopmap" [{ "primaryid": 3 "errorcode": 0 }] }</pre>