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# 说明

## 1.1会话参数

应用内接口调用时，必须传递session字段"session":{"sessionId":"会话ID","equipmentTypeId":"频道ID"}

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/equipment/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
| 接口格式 | {"action":"equipmentType","method":"list",  "session":{"sessionId":"会话ID","equipmentTypeId":"频道ID"}} | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| sessionId | String | true | 会话ID |
| equipmentTypeId | String | true | 频道ID |
| 返回结果 | | | |
| { | | | |

# 2管理频道

## 2.1 获取频道

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/equipment/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| 请求示例 | | | |
| {"action":"equipmentType","method":"list","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"}} | | | |
| 返回结果 | | | |
| {  "errcode": "0",  "errmsg": "拉取成功",  "values": [  {  "id": 1,  "name": "楼宇消防",  "icopath": "/resources/images/1.png"  },  {  "id": 2,  "name": "智能抄表",  "icopath": "/resources/images/2.png"  },  {  "id": 3,  "name": "智能家居",  "icopath": "/resources/images/3.png"  }  ]  } | | | |

# 3设备管理

## 3.1设备列表

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/equipment/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| name | string | False | 名称 |
| state | Int | False | 状态0:未连接，1：已连接 |
| isDel | Int | False | 是否删除：1：已删除 |
| 请求示例 | | | |
| {"action":"equipment","method":"list","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"pageNumber":"1","pageSize":"20"}} | | | |
| 返回结果 | | | |
|  | | | |

## 3.2添加设备

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/equipment/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| name | String | true | 名称 |
| equipmentProtocol | String | true | 设备协议  MQTT,TCP,MB RTU,MB TCP |
| duration | Int | true | 上报周期 |
| share | Int | true | 是否开放0:否，1：是 |
| devicePosition | String | true | 设备地理位置 |
| devicePositionLng | String | true | 设备经度 |
| devicePositionLat | String | true | 设备纬度 |
| equipmentIcoId | Long | true | 设备图片ID |
| 请求示例 | | | |
| {"action":"equipment","method":"save","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"name":"消防类","equipmentProtocol":"TCP","duration":"60","share":"0","devicePosition":"江苏无锡新区哥伦布广场","devicePositionLng":"120.337229","devicePositionLat":"31.567536","equipmentIcoId":"1","equipmentSensors":[{"name":"水表1","type":"1","sign":"0","unit":"吨","equipmentIcoId":"1"}]}} | | | |
| 返回结果 | | | |
| {"errcode":"0","errmsg":"添加设备成功!"} | | | |

## 3.3修改设备

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/equipment/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| equipmentId | Long | True | [设备ID（由3.1获得）](#_3.1获取设备列表) |
| name | String | false | 名称 |
| equipmentProtocol | String | false | 设备协议  MQTT,TCP,MB RTU,MB TCP |
| duration | Int | false | 上报周期 |
| share | Int | false | 是否开放0:否，1：是 |
| devicePosition | String | false | 设备地理位置 |
| devicePositionLng | String | false | 设备经度 |
| devicePositionLat | String | false | 设备纬度 |
| equipmentIcoId | Long | false | 设备图片ID |
| 请求示例 | | | |
| {"action":"equipment","method":"update","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"equipmentId":"1","name":"消防类","equipmentSensors":[{"name":"水表1","type":"1","sign":"0","unit":"吨","equipmentIcoId":"1"}]}} | | | |
| 返回结果 | | | |
| {"errcode":"0","errmsg":"更新设备成功!"} | | | |

## 3.4删除设备

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/equipment/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| equipmentId | Long | True | [设备ID（由3.1获得）](#_3.1获取设备列表) |
| 请求示例 | | | |
| {"action":"equipment","method":"delete","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"equipmentId":"1"}} | | | |
| 返回结果 | | | |
| {"errcode":"0","errmsg":"删除设备成功!"} | | | |

## 3.5根据ID获取设备

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/equipment/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| 请求示例 | | | |
| {"action":"equipment","method":"getEquipmentById","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"equipmentId":"1"}} | | | |
| 返回结果 | | | |
| {  "errcode": "0",  "errmsg": "获取设备成功",  "value": {  "id": 1,  "name": "消防类",  "idNumber": "1503567954282",  "serialNumber": "43a27015a42a4544bcfeab4ebba28bfd",  "equipmentProtocol": "TCP",  "duration": 60,  "share": 0,  "devicePosition": "消防类测试",  "devicePositionLng": "120.337229",  "devicePositionLat": "31.567536",  "equipmentIco": "/resources/images/1.png",  "equipmentIp": "192.168.1.103",  "equipmentPort": "23456",  "equipmentTypeId": 1,  "equipmentSensors": [  {  "id": 1,  "idNumber": "0af1e7c1c3c74b6e926349d141162953",  "name": "传感器1",  "type": 1,  "sign": 0,  "unit": "吨",  "equipmentIcoId": 1,  "equipmentIcoPath": "/resources/images/1.png",  "equipmentId": 1,  "equipment": "消防类"  }  ]  }  } | | | |

# 图标管理

## 4.1添加图标

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/equipment/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| name | String | false | 名称 |
| icoPath | String | True | 图标路径 |
| icoType | String | false | 图标类型  device//设备,(默认)  sensor//传感器 |
| 请求示例 | | | |
| {"action":"equipmentIco","method":"save","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"name":"图标1","icoPath":"/upload/file/201708/sdfsdfsfsdfsdsdf.png","icoType":"device"}} | | | |
| 返回结果 | | | |
| {"errcode":"0","errmsg":"添加图标成功!"} | | | |

## 4.2修改图标

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/equipment/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| icoPath | String | false | 图标路径 |
| 请求示例 | | | |
| {"action":"equipmentIco","method":"update","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"icoPath":"/upload/file/201708/sdfsdfsfsdfsdsdf.png"}} | | | |
| 返回结果 | | | |
| {"errcode":"0","errmsg":"修改图标成功!"} | | | |

## 4.3删除图标

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/equipment/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| icoPath | String | false | 图标路径 |
| 请求示例 | | | |
| {"action":"equipmentIco","method":"delete","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"equipmentIcoId":"1"}} | | | |
| 返回结果 | | | |
| {"errcode":"0","errmsg":"删除图标成功!"} | | | |

## 4.4获取图标

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/equipment/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| icoType | String | true | 类型:device, // 设备  sensor// 传感器 |
| 请求示例 | | | |
| {"action":"equipmentIco","method":"list","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"icoType":"device"}} | | | |
| 返回结果 | | | |
| {  "errcode": "0",  "errmsg": "查询成功!",  "values": [  {  "id": 1,  "name": "1",  "icoPath": "/resources/equipment/non\_online-1.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-1.png"  },  {  "id": 2,  "name": "2",  "icoPath": "/resources/equipment/non\_online-2.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-2.png"  },  {  "id": 3,  "name": "3",  "icoPath": "/resources/equipment/non\_online-3.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-3.png"  },  {  "id": 4,  "name": "4",  "icoPath": "/resources/equipment/non\_online-4.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-4.png"  },  {  "id": 5,  "name": "5",  "icoPath": "/resources/equipment/non\_online-5.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-5.png"  },  {  "id": 6,  "name": "6",  "icoPath": "/resources/equipment/non\_online-6.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-6.png"  },  {  "id": 7,  "name": "7",  "icoPath": "/resources/equipment/non\_online-7.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-7.png"  },  {  "id": 8,  "name": "8",  "icoPath": "/resources/equipment/non\_online-8.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-8.png"  },  {  "id": 9,  "name": "9",  "icoPath": "/resources/equipment/non\_online-9.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-9.png"  },  {  "id": 10,  "name": "10",  "icoPath": "/resources/equipment/non\_online-10.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-10.png"  },  {  "id": 11,  "name": "11",  "icoPath": "/resources/equipment/non\_online-11.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-11.png"  },  {  "id": 12,  "name": "12",  "icoPath": "/resources/equipment/non\_online-12.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-12.png"  },  {  "id": 13,  "name": "13",  "icoPath": "/resources/equipment/non\_online-13.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-13.png"  },  {  "id": 14,  "name": "14",  "icoPath": "/resources/equipment/non\_online-14.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-14.png"  },  {  "id": 15,  "name": "15",  "icoPath": "/resources/equipment/non\_online-15.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-15.png"  },  {  "id": 16,  "name": "16",  "icoPath": "/resources/equipment/non\_online-16.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-16.png"  },  {  "id": 17,  "name": "17",  "icoPath": "/resources/equipment/non\_online-17.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-17.png"  },  {  "id": 18,  "name": "18",  "icoPath": "/resources/equipment/non\_online-18.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-18.png"  },  {  "id": 19,  "name": "19",  "icoPath": "/resources/equipment/non\_online-19.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-19.png"  },  {  "id": 20,  "name": "20",  "icoPath": "/resources/equipment/non\_online-20.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-20.png"  },  {  "id": 21,  "name": "21",  "icoPath": "/resources/equipment/non\_online-21.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-21.png"  },  {  "id": 22,  "name": "22",  "icoPath": "/resources/equipment/non\_online-22.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-22.png"  },  {  "id": 23,  "name": "23",  "icoPath": "/resources/equipment/non\_online-23.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-23.png"  },  {  "id": 24,  "name": "24",  "icoPath": "/resources/equipment/non\_online-24.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-24.png"  },  {  "id": 25,  "name": "25",  "icoPath": "/resources/equipment/non\_online-25.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-25.png"  },  {  "id": 26,  "name": "26",  "icoPath": "/resources/equipment/non\_online-26.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-26.png"  },  {  "id": 27,  "name": "27",  "icoPath": "/resources/equipment/non\_online-27.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-27.png"  },  {  "id": 28,  "name": "28",  "icoPath": "/resources/equipment/non\_online-28.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-28.png"  },  {  "id": 29,  "name": "29",  "icoPath": "/resources/equipment/non\_online-29.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-29.png"  },  {  "id": 30,  "name": "29",  "icoPath": "/resources/equipment/non\_online-30.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-30.png"  },  {  "id": 31,  "name": "31",  "icoPath": "/resources/equipment/non\_online-31.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-31.png"  },  {  "id": 32,  "name": "32",  "icoPath": "/resources/equipment/non\_online-32.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-32.png"  },  {  "id": 33,  "name": "33",  "icoPath": "/resources/equipment/non\_online-33.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-33.png"  },  {  "id": 34,  "name": "34",  "icoPath": "/resources/equipment/non\_online-34.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-34.png"  },  {  "id": 35,  "name": "35",  "icoPath": "/resources/equipment/non\_online-35.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-35.png"  },  {  "id": 36,  "name": "36",  "icoPath": "/resources/equipment/non\_online-36.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-36.png"  },  {  "id": 37,  "name": "37",  "icoPath": "/resources/equipment/non\_online-37.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-37.png"  },  {  "id": 38,  "name": "38",  "icoPath": "/resources/equipment/non\_online-38.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-38.png"  },  {  "id": 39,  "name": "39",  "icoPath": "/resources/equipment/non\_online-39.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-39.png"  },  {  "id": 40,  "name": "40",  "icoPath": "/resources/equipment/non\_online-40.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-40.png"  },  {  "id": 41,  "name": "41",  "icoPath": "/resources/equipment/non\_online-41.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-41.png"  },  {  "id": 42,  "name": "42",  "icoPath": "/resources/equipment/non\_online-42.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-42.png"  },  {  "id": 43,  "name": "43",  "icoPath": "/resources/equipment/non\_online-43.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-43.png"  },  {  "id": 44,  "name": "44",  "icoPath": "/resources/equipment/non\_online-44.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-44.png"  },  {  "id": 45,  "name": "45",  "icoPath": "/resources/equipment/non\_online-45.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-45.png"  },  {  "id": 46,  "name": "46",  "icoPath": "/resources/equipment/non\_online-46.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-46.png"  },  {  "id": 47,  "name": "47",  "icoPath": "/resources/equipment/non\_online-47.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-47.png"  },  {  "id": 48,  "name": "48",  "icoPath": "/resources/equipment/non\_online-48.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-48.png"  },  {  "id": 49,  "name": "49",  "icoPath": "/resources/equipment/non\_online-49.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-49.png"  },  {  "id": 50,  "name": "50",  "icoPath": "/resources/equipment/non\_online-50.png",  "icoType": "device",  "icoOnlinePath": "/resources/equipment/on\_online-50.png"  }  ]  } | | | |

## 4.5上传图标

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/equipment/equipmentIco/imageUpdate.jhtml | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| file | File[] | true | 文件流 |
| session | Json | True | {"sessionId":"会话ID","equipmentTypeId":"频道ID"} |
| icoType | String | True | device, // 设备  sensor// 传感器 |
| 请求示例 | | | |
|  | | | |
| 返回结果 | | | |
| {"errcode":"0","errmsg":"上传图标成功!"} | | | |

# 传感器管理

## 5.1添加传感器

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/equipment/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| name | String | true | 名称 |
| type | Int | false | 类型 1：数值型(默认)，2：开关型（可操作）,3:定位型,4:开关型（不可操作） |
| sign | int | false | 小数位数 0：0位小数,1:1位小数... |
| unit | String | true | 单位 |
| equipmentIcoId | Long | false | 图标ID,不填系统自动分配一个 |
| equipmentId | Long | True | 所属设备ID |
| sensorParamId | Long | False | 自定义参数ID |
| 请求示例 | | | |
| {"action":"equipmentSensor","method":"save","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"name":"水表1","type":"1","sign":"0","unit":"吨","equipmentIcoId":"1","equipmentId":"1"}} | | | |
| 返回结果 | | | |
| {"errcode":"0","errmsg":"添传感器成功!"} | | | |

## 5.2更新传感器

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/equipment/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| equipmentSensorId | Long | True | 主键 |
| name | String | false | 名称 |
| type | Int | false | 类型 1：数值型(默认)，2：开关型（可操作）,3:定位型,4:开关型（不可操作） |
| sign | int | false | 图标类型  device//设备,(默认)  sensor//传感器 |
| unit | String | false | 单位 |
| equipmentIcoId | Long | false | 图标ID,不填系统自动分配一个 |
| equipmentId | Long | false | 所属设备ID |
| sensorParamId | Long | False | 自定义参数ID |
| 请求示例 | | | |
| {"action":"equipmentSensor","method":"update","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"equipmentSensorId":"1","name":"水表2"}} | | | |
| 返回结果 | | | |
| {"errcode":"0","errmsg":"更新感器成功!"} | | | |

## 5.3删除传感器

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/equipment/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| icoPath | String | false | 图标路径 |
| 请求示例 | | | |
| {"action":"equipmentSensor","method":"delete","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"equipmentSensorId":"1"}} | | | |
| 返回结果 | | | |
| {"errcode":"0","errmsg":"删除传感器成功!"} | | | |

## 5.4获取传感器（分页）

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/equipment/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| name | String | false | 名称 |
| equipmentId | Long | False | 设备ID |
| pageNumber | Int | True | 页码 |
| pageSize | Int | True | 每页记录数 |
| 请求示例 | | | |
| {"action":"equipmentSensor","method":"list","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"pageNumber":"1","pageSize":"20"}} | | | |
| 返回结果 | | | |
| {  "errcode": "0",  "errmsg": "获取设备传感器",  "values": [  {  "id": 1,  "idNumber": "0af1e7c1c3c74b6e926349d141162953",  "name": "传感器1",  "type": 1,  "sign": 0,  "unit": "吨",  "equipmentIcoId": 1,  "equipmentIcoPath": "/resources/images/1.png",  "equipmentId": 1,  "equipment": "消防类",  "sensorState": 0,  "sensorValues": [  {  "value": "20"  }  ],  "sensorTrueValues": "0x110x000x000x000x000x330x780x010x010x000x000x000x000x00"  }  ],  "page": {  "totalPage": 1,  "total": 1,  "pageNumber": 1,  "pageSize": 20  }  } | | | |

## 5.5获取传感器(根据设备，不分页)

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/equipment/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| equipmentId | Long | False | 设备ID |
| 请求示例 | | | |
| {"action":"equipmentSensor","method":"sensorList","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"equipmentId":"1"}} | | | |
| 返回结果 | | | |
| {  "errcode": "0",  "errmsg": "获取设备传感器",  "values": [  {  "id": 1,  "idNumber": "0af1e7c1c3c74b6e926349d141162953",  "name": "传感器1",  "type": 1,  "sign": 0,  "unit": "吨",  "equipmentIcoId": 1,  "equipmentIcoPath": "/resources/images/1.png",  "equipmentId": 1,  "equipment": "消防类",  "sensorState": 0,  "sensorValues": [  {  "value": "20"  }  ],  "sensorTrueValues": "0x110x000x000x000x000x330x780x010x010x000x000x000x000x00"  }  ]  } | | | |

## 5.6根据ID获取传感器

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/equipment/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| 请求示例 | | | |
| {"action":"equipmentSensor","method":"getEquipmentSensorById","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"equipmentSensorId":"1"}} | | | |
| 返回结果 | | | |
| {  "errcode": "0",  "errmsg": "获取传感器成功",  "value": {  "id": 1,  "idNumber": "0af1e7c1c3c74b6e926349d141162953",  "name": "传感器1",  "type": 1,  "sign": 0,  "unit": "吨",  "equipmentIcoId": 1,  "equipmentIcoPath": "/resources/images/1.png",  "equipmentId": 1,  "equipment": "消防类"  }  } | | | |

## 5.7传感器参数添加

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/equipment/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| name | String | true | 名称 |
| description | String | false | 描述 |
| parameter | jsonArray | true | 自定义参数，格式： [{"name":"名称","isShow":"是否显示"}] |
| 请求示例 | | | |
| {"action":"equipmentSensorParams","method":"save","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"name":"水表","description":"国动水表类自定义","parameter":[{"name":"头信息","isShow":"0"},{"name":"读数","isShow":"1"}]}} | | | |
| 返回结果 | | | |
| {"errcode":"0","errmsg":"添加传感器自定义参数成功!"} | | | |

## 5.8传感器参数修改

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/equipment/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| sensorParamsId | Long | True | 主键 |
| name | String | false | 名称 |
| description | String | false | 描述 |
| parameter | jsonArray | true | 自定义参数，格式： [{"name":"名称","isShow":"是否显示"}] |
| 请求示例 | | | |
| {"action":"equipmentSensorParams","method":"update","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"sensorParamsId":"1","name":"水表1","description":"国动水表1","parameter":[{"name":"第一位","isShow":"0"},{"name":"第二位","isShow":"1"}]}} | | | |
| 返回结果 | | | |
| {"errcode":"0","errmsg":"修改传感器自定义参数成功!"} | | | |

## 5.9传感器参数删除

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/equipment/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| sensorParamsId | Long | true | 主键 |
| 请求示例 | | | |
| {"action":"equipmentSensorParams","method":"delete","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"sensorParamsId":"1"}} | | | |
| 返回结果 | | | |
| {"errcode":"0","errmsg":"删除传感器参数成功!"} | | | |

## 5.10获取传感器参数（分页）

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/equipment/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| name | String | false | 名称 |
| description | String | false | 描述 |
| pageNumber | Int | True | 页码 |
| pageSize | Int | True | 每页记录数 |
| 请求示例 | | | |
| {"action":"equipmentSensorParams","method":"list","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"pageNumber":"1","pageSize":"20"}} | | | |
| 返回结果 | | | |
| {  "errcode": "0",  "errmsg": "获取数据成功",  "values": [  {  "id": 1,  "name": "水表",  "ownerId": 1,  "description": "国动水表1",  "parameter": [  {  "name": "第一位",  "isShow": "0"  },  {  "name": "第二位",  "isShow": "1"  }  ]  }  ],  "page": {  "totalPage": 1,  "total": 1,  "pageNumber": 1,  "pageSize": 20  }  } | | | |

## 5.11根据ID获取传感器参数

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/equipment/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| sensorParamsId | Long | True | 主键 |
| 请求示例 | | | |
| {"action":"equipmentSensorParams","method":"getSensorParamsById","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"sensorParamsId":"1"}} | | | |
| 返回结果 | | | |
| {  "errcode": "0",  "errmsg": "获取数据成功",  "value": {  "id": 1,  "name": "水表",  "ownerId": 1,  "description": "国动水表1",  "parameter": [  {  "name": "第一位",  "isShow": "0"  },  {  "name": "第二位",  "isShow": "1"  }  ]  }  } | | | |

# 触发器

## 6.1添加触发器

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/equipment/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| equipmentId | Long | true | 设备ID |
| equipmentSensorId | Long | true | 传感器ID |
| equipmentAlarmType | String | true | val\_above("数值高于X"),  val\_below("数值低于Y"),  val\_above\_below("数值高于X低于Y"),  val\_above\_below\_ofm("数值高于X低于Y超过M分钟"),  x\_tir\_y\_rec("数值高于X报警低于Y恢复"),  val\_between("数值在X和Y之间"),  val\_above\_bound("数值超过M分钟高于X"),  val\_below\_bound("数值超过M分钟低于Y"),  offline("传感器未连接"),  offline\_for\_minutes("超过M分钟未连接"),  switch\_on("开关ON"),  switch\_off("开关OFF"); |
| upperBoundC | json | true | 触发值,格式：{“key1”:”value1”,”key2”:”value2”} |
| target | String | true | WeiXin, Email, SMS |
| targetValue | String | True | 报警方式联系人格式：  联系人1,联系人2([从9.1获取)](#_9.1获取联第人) |
| isTransfer | Int | True | 是否转发 0：否，1：是 |
| state | Int | True | 触发器状态1：已开启，0：未开启 |
| 请求示例 | | | |
| {"action":"equipmentTrigger","method":"save","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"equipmentId":"1","equipmentSensorId":"1","equipmentAlarmType":"val\_above","upperBoundC":{"x":"10"},"target":"WeiXin","targetValue":"18751570619","isTransfer":"0","state":"1"}} | | | |
| 返回结果 | | | |
| {"errcode":"0","errmsg":"添加设备触发器成功!"} | | | |

## 6.2更新触发器

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/equipment/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| equipmentTriggerId | Long | True | 触发器ID |
| equipmentId | Long | false | 设备ID |
| equipmentSensorId | Long | false | 传感器ID |
| equipmentAlarmType | String | false | val\_above("数值高于X"),  val\_below("数值低于Y"),  val\_above\_below("数值高于X低于Y"),  val\_above\_below\_ofm("数值高于X低于Y超过M分钟"),  x\_tir\_y\_rec("数值高于X报警低于Y恢复"),  val\_between("数值在X和Y之间"),  val\_above\_bound("数值超过M分钟高于X"),  val\_below\_bound("数值超过M分钟低于Y"),  offline("传感器未连接"),  offline\_for\_minutes("超过M分钟未连接"),  switch\_on("开关ON"),  switch\_off("开关OFF"); |
| upperBoundC | json | false | 触发值,格式：{“key1”:”value1”,”key2”:”value2”} |
| target | String | false | WeiXin, Email, SMS |
| targetValue | String | false | 报警方式联系人格式：  联系人1,联系人2 |
| isTransfer | Int | false | 是否转发 0：否，1：是 |
| state | Int | false | 触发器状态1：已开启，0：未开启 |
| 请求示例 | | | |
| {"action":"equipmentTrigger","method":"update","session":{"equipmentTriggerId":"1","sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"equipmentId":"1","equipmentSensorId":"1","equipmentAlarmType":"val\_above","upperBoundC":{"x":"14"},"target":"WeiXin","targetValue":"18751570619,18921543593","isTransfer":"0","state":"1"}} | | | |
| 返回结果 | | | |
| {"errcode":"0","errmsg":"更新设备触发器成功!"} | | | |

## 6.3删除触发器

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/equipment/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| equipmentTriggerId | Long | true | 触发器ID |
| 请求示例 | | | |
| {"action":"equipmentTrigger","method":"delete","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"equipmentTriggerId":"1"}} | | | |
| 返回结果 | | | |
| {"errcode":"0","errmsg":"删除传感器成功!"} | | | |

## 6.4获取触发器

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/equipment/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| equipmentId | Long | false | 设备ID |
| equipmentSensorId | Long | False | 传感器ID |
| state | Int | False | 状态:0：未开启，1：已开启 |
| pageNumber | Int | True | 页码 |
| pageSize | Int | True | 每页记录数 |
| 请求示例 | | | |
| {"action":"equipmentTrigger","method":"list","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"pageNumber":"1","pageSize":"20"}} | | | |
| 返回结果 | | | |
| {  "errcode": "0",  "errmsg": "获取触发器成功",  "values": [  {  "id": 1,  "equipmentId": 1,  "equipmentName": "消防类",  "equipmentSensorId": 1,  "equipmentSensorName": "æ°´è¡¨2",  "equipmentAlarmType": "val\_above",  "upperBoundC": {  "key1": "value1"  },  "target": "WeiXin",  "targetValue": "18751570619,18921543593",  "isTransfer": 0,  "state": 1,  "equipmentTypeId": 1  }  ],  "page": {  "totalPage": 1,  "total": 1,  "pageNumber": 1,  "pageSize": 20  }  } | | | |

## 6.5根据发器ID获取触发器

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/equipment/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| 请求示例 | | | |
| {"action":"equipmentTrigger","method":"getEquipmentTriggerById","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"equipmentTriggerId":"1"}} | | | |
| 返回结果 | | | |
| {  "errcode": "0",  "errmsg": "获取触发器成功",  "value": {  "id": 1,  "equipmentId": 1,  "equipmentName": "消防类",  "equipmentSensorId": 1,  "equipmentSensorName": "传感器1",  "equipmentAlarmType": "val\_above",  "upperBoundC": {  "key1": "value1"  },  "target": "WeiXin",  "targetValue": "18751570619,18921543593",  "isTransfer": 0,  "state": 1,  "equipmentTypeId": 1  }  } | | | |

## 6.6触发器记录

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/equipment/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| target | String | False | WeiXin, Email, SMS |
| sendState | Int | False | 发送状态0:发送失败，1：发送成功 |
| 请求示例 | | | |
| {"action":"equipmentTriggerLog","method":"list","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"pageNumber":"1","pageSize":"20"}} | | | |
| 返回结果 | | | |
|  | | | |

# 流量卡

## 7.1获取流量卡

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/traffic/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| cardnumber | string | false | 卡号 |
| pageNumber | Int | True | 页码 |
| pageSize | Int | True | 每页记录数 |
| 请求示例 | | | |
| {"action":"trafficCard","method":"list","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"pageNumber":"1","pageSize":"20"}} | | | |
| 返回结果 | | | |
| {  "errcode": "0",  "errmsg": "获取流量卡成功!",  "values": [  {  "id": 1,  "cardnumber": "1503711016619",  "iccid": "89652B4778555444754",  "totalTraffic": 30,  "surplusTraffic": 30,  "warningLine": 5,  "startTime": "2017-08-26",  "endTime": "2020-08-26",  "cardState": 1  }  ],  "page": {  "totalPage": 1,  "total": 1,  "pageNumber": 1,  "pageSize": 20  }  } | | | |

## 7.2修改警戒线

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/traffic/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| warningLine | Float | True | 触发值 |
| trafficCardId | Long | true | 浏览卡ID |
| 请求示例 | | | |
| {"action":"equipmentTrigger","method":"update","session":{"equipmentTriggerId":"1","sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"trafficCardId":"1","warningLine":"5.00"}} | | | |
| 返回结果 | | | |
| {"errcode":"0","errmsg":"操作成功!"} | | | |

## 7.3绑定/解绑设备

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/traffic/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| trafficCardId | Long | true | 浏览卡ID |
| equipmentId | Long | Flase | 设备ID |
| isUnbind | Int | True | 是否解绑1：是，0：否 |
| 请求示例 | | | |
| {"action":"trafficCard","method":"update","session":{"equipmentTriggerId":"1","sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"trafficCardId":"1","equipmentId":"1","isUnbind":"0"}} | | | |
| 返回结果 | | | |
| {"errcode":"0","errmsg":"操作成功!"} | | | |

## 7.4 卡片购买

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/traffic/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| companyName | String | true | 公司名称 |
| contactName | String | Flase | 联系人姓名 |
| phone | String | True | 手机号码 |
| areaName | String | True | 收货地区 |
| address | String | True | 收货街道 |
| freightType | String | true | /\*\* 在线支付 \*/  CashonLine,  /\*\* 货到付款 \*/  Cashondelivery |
| yearsNumber | Int | True | 支付年限 |
| buycardnumber | Int | True | 购买数量 |
| 请求示例 | | | |
| {"action":"trafficCard","method":"purchasing", "session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"companyName":"淘金科技","contactName":"王杰","phone":"18751570619","areaName":"江苏省无锡市新区","address":"哥伦布广场", "freightType":"CashonLine","yearsNumber":"1","buycardnumber":"10"}} | | | |
| 返回结果 | | | |
| {"errcode":"0","errmsg":"操作成功!"} | | | |

## 7.5获取订单

"orderStatus":"订单状态","paymentStatus":"支付状态","phone":"手机号","sn":"订单号",

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/traffic/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| orderStatus | string | false | 订单状态  /\*\* 未确认 \*/  unconfirmed,  /\*\* 已确认 \*/  confirmed,  /\*\* 已完成 \*/  completed,  /\*\* 已取消 \*/  cancelled,    /\*\* 待发货\*/  delivery |
| paymentStatus | string | false | 支付状态 /\*\* 未支付 \*/  unpaid,  /\*\* 部分支付 \*/  partialPayment,  /\*\* 已支付 \*/  paid,  /\*\* 部分退款 \*/  partialRefunds,  /\*\* 已退款 \*/  refunded |
| phone | String | false | 手机号 |
| sn | String | false | 订单号 |
| pageNumber | Int | True | 页码 |
| pageSize | Int | True | 每页记录数 |
| 请求示例 | | | |
| {"action":"trafficCardOrder","method":"list", "session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"pageNumber":"1","pageSize":"20"}} | | | |
| 返回结果 | | | |
| {  "errcode": "0",  "errmsg": "获取流量卡订单成功!",  "values": [  {  "id": 1,  "sn": "1504862446765",  "orderStatus": "delivery",  "paymentStatus": "unpaid",  "companyName": "淘金科技",  "contactName": "王杰",  "consignee": "王杰",  "areaName": "江苏省无锡市新区",  "address": "哥伦布广场",  "zipCode": "214011",  "phone": "18751570619",  "fee": 480,  "yearsNumber": 1,  "buycardnumber": 10,  "freightType": 10,  "freight": 10  }  ],  "page": {  "totalPage": 1,  "total": 1,  "pageNumber": 1,  "pageSize": 20  }  } | | | |

# 用户管理

## 8.1获取用户信息

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/user/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| 请求示例 | | | |
| {"action":"user","method":"userInfo","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"}} | | | |
| 返回结果 | | | |
| {  "errcode": "0",  "errmsg": "获取信息成功!",  "value": {  "id": 1,  "username": "wangjie",  "apiKey": "67abd5dc5372489e8cb7c5fcd800c8f6",  "idNumber": "54b86b33972249878a7186844800ec0e",  "fee": 1000,  "name": "王杰",  "sex": 1,  "birthday": "1990-01-25",  "phone": "18751570619",  "email": "314204475@qq.com",  "address": "江苏省无锡",  "companyName": "无锡淘金智能科技有限公司",  "userType": 1  }  } | | | |

## 8.2修改密码

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/user/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| oldPassword | String | True | 原始密码（明文） |
| newPassword | String | true | 新密码（明文） |
| reNewPassword | String | True | 重复新密码（明文） |
| 请求示例 | | | |
| {"action":"user","method":"modifyPassword","session":{"equipmentTriggerId":"1","sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"oldPassword":"123456","newPassword":"654321","reNewPassword":"654321"}} | | | |
| 返回结果 | | | |
| {"errcode":"0","errmsg":"密码修改成功!"} | | | |

## 8.3登录

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/user/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| username | String | True | 用户名 |
| password | String | true | 密码 |
| device | String | True | 登录设备类型 web,ios,android |
| systemVersion | String | True | 当前客户端版本号 |
| 请求示例 | | | |
| {"action":"user","method":"login","session":{"equipmentTriggerId":"1","sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"username":"wangjie","password":"123456","device":"web","systemVersion":"1.0.0"}} | | | |
| 返回结果 | | | |
| {  "errcode": "0",  "errmsg": "登录成功!",  "value": {  "userId": "1",  "username": "wangjie",  "sessionId": "79eaa27d3c9148249260c4110f14b75a",  "bindTime": "2017-08-24 13:30:00",  "device": "web",  "systemVersion": "1.0.0",  "sex": 1,  "birthday": "1990-01-25",  "phone": "18751570619",  "email": "314204475@qq.com",  "address": "江苏省无锡",  "companyName": "无锡淘金智能科技有限公司",  "userType": 1  }  } | | | |

## 8.4注册

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/user/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| username | String | True | 用户名 |
| password | String | true | 密码 |
| rePassword | String | True | 确认密码 |
| type | String | True | phone,email |
| 请求示例 | | | |
| {"action":"user","method":"regist","param":{"username":"18921543593","password":"123456","rePassword":"123456","type":"phone"}} | | | |
| 返回结果 | | | |
| {"errcode":"0","errmsg":"注册成功 !"} | | | |

## 8.5充值

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/user/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| money | String | True | 金额 |
| type | String | true | 充值类型 用户：user 短信:sms |
| 请求示例 | | | |
| {"action":"user","method":"pay", "session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"money":"100","type":"user"}} | | | |
| 返回结果 | | | |
| {"errcode":"0","errmsg":"充值成功 !"} | | | |

## 8.6充值记录

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/user/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| money | String | True | 金额 |
| type | String | true | 充值类型 用户：user 短信:sms |
| 请求示例 | | | |
| {"action":"userOrder","method":"getUserOrder","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"pageNumber":"1","pageSize":"10"}} | | | |
| 返回结果 | | | |
| {  "errcode": "0",  "errmsg": "获取用户订单成功!",  "values": [  {  "id": 1,  "sn": "c5751d402c49412390a5c264fd2ca2bc",  "payType": "user",  "payNum": 1,  "money": 100,  "payTime": "2017-09-09 10:40:41",  "payStatus": "paid",  "createDate": "2017-09-09 10:40:41",  "ownerId": 1,  "equipmentTypeId": 1  }  ],  "page": {  "totalPage": 1,  "total": 1,  "pageNumber": 1,  "pageSize": 10  }  } | | | |

# 9用户联系人

## 9.1获取联系人

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/user/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| 请求示例 | | | |
| {"action":"userContact","method":"list","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"pageNumber":"1","pageSize":"10"}} | | | |
| 返回结果 | | | |
| {  "errcode": "0",  "errmsg": "获取用户联系人成功",  "values": [  {  "contactId": 2,  "name": "邹杰夫",  "phone": "18661076788",  "email": "18921543593@qq.com",  "ownerId": 1  },  {  "contactId": 1,  "name": "王杰",  "phone": "18751570619",  "email": "314204475@qq.com",  "ownerId": 1  }  ],  "page": {  "totalPage": 1,  "total": 2,  "pageNumber": 1,  "pageSize": 10  }  } | | | |

## 9.2添加联系人

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/user/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| name | Long | true | 姓名 |
| phone | String | true | 电话号码 |
| email | String | True | 电子邮件 |
| 请求示例 | | | |
| {"action":"userContact","method":"save","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"name":"鞠敬","phone":"18751570618","email":"18751570618@ucskype.com"}} | | | |
| 返回结果 | | | |
| {"errcode":"0","errmsg":"添加用户联系人成功!"} | | | |

## 9.3修改联系人

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/user/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| userContactId | Long | True | 键值 |
| name | Long | false | 姓名 |
| phone | String | false | 电话号码 |
| email | String | false | 电子邮件 |
| 请求示例 | | | |
| {"action":"userContact","method":"update","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"userContactId":"1","name":"测试1"}} | | | |
| 返回结果 | | | |
| {"errcode":"0","errmsg":"修改用户联系人成功!"} | | | |

## 9.4删除联系人

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/user/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| userContactId | Long | True | 键值 |
| 请求示例 | | | |
| {"action":"userContact","method":"delete","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"userContactId":"1"}} | | | |
| 返回结果 | | | |
| {"errcode":"0","errmsg":"删除用户联系人成功!"} | | | |

## 9.5根据ID获取联系人

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/user/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| 请求示例 | | | |
| {"action":"userContact","method": "getContactById","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId" :"1"},"param":{"contactId":"1"}} | | | |
| 返回结果 | | | |
| {  "errcode": "0",  "errmsg": "获取用户联系人成功",  "value": {  "name": "测试1",  "phone": "18751570619",  "email": "314204475@qq.com",  "ownerId": 1  }  } | | | |

# 数据报表/实时数据

## 10.1获取传感器实时数据

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/report/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| dateTime | String | False | 当前日期yyyy-MM-dd,不传默认为当天 |
| sensorId | Long | True | 传感器ID |
| 请求示例 | | | |
| {"action":"reportEquipmentSensor","method":"listNoPage","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"dateTime":"2017-09-02","sensorId":"1"}} | | | |
| 返回结果 | | | |
| {  "errcode": "0",  "errmsg": "获取传感器记录成功",  "values": [  {  "id": 3,  "sensorId": 1,  "sensorNumber": "0af1e7c1c3c74b6e926349d141162953",  "sensorValues": [  {  "value": "30"  }  ],  "sensorTrueValue": "\\x6800002400",  "dateTime": "2017-09-02",  "createDate": "2017-09-02 14:13:54",  "modifyDate": "2017-09-02 14:12:05",  "year": "2017",  "month": "09",  "day": "02",  "hour": "14",  "minute": "12",  "ownerId": 1  },  {  "id": 2,  "sensorId": 1,  "sensorNumber": "0af1e7c1c3c74b6e926349d141162953",  "sensorValues": [  {  "value": "20"  }  ],  "sensorTrueValue": "\\x6800002400",  "dateTime": "2017-09-02",  "createDate": "2017-09-02 14:11:24",  "modifyDate": "2017-09-02 14:11:32",  "year": "2017",  "month": "09",  "day": "02",  "hour": "14",  "minute": "11",  "ownerId": 1  },  {  "id": 1,  "sensorId": 1,  "sensorNumber": "0af1e7c1c3c74b6e926349d141162953",  "sensorValues": [  {  "value": "10"  }  ],  "sensorTrueValue": "\\x6800000000",  "dateTime": "2017-09-02",  "createDate": "2017-09-02 14:09:53",  "modifyDate": "2017-09-02 14:09:58",  "year": "2017",  "month": "09",  "day": "02",  "hour": "14",  "minute": "09",  "ownerId": 1  }  ]  } | | | |

## 10.2获取历史传感器数据

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/report/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| startTime | String | False | 起始日期，默认为当天 |
| endTime | String | False | 结束日期，默认为当天 |
| sensorId | Long | True | 传感器ID |
| 请求示例 | | | |
| {"action":"reportEquipmentSensor","method":"listByPage","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"pageNumber":"1","pageSize":"20","sensorId":"1"}} | | | |
| 返回结果 | | | |
| {  "errcode": "0",  "errmsg": "获取传感器记录成功",  "values": [  {  "id": 3,  "sensorId": 1,  "sensorNumber": "0af1e7c1c3c74b6e926349d141162953",  "sensorValues": [  {  "value": "30"  }  ],  "sensorTrueValue": "\\x6800002400",  "dateTime": "2017-09-02",  "createDate": "2017-09-02 14:13:54",  "modifyDate": "2017-09-02 14:12:05",  "year": "2017",  "month": "09",  "day": "02",  "hour": "14",  "minute": "12",  "ownerId": 1  },  {  "id": 2,  "sensorId": 1,  "sensorNumber": "0af1e7c1c3c74b6e926349d141162953",  "sensorValues": [  {  "value": "20"  }  ],  "sensorTrueValue": "\\x6800002400",  "dateTime": "2017-09-02",  "createDate": "2017-09-02 14:11:24",  "modifyDate": "2017-09-02 14:11:32",  "year": "2017",  "month": "09",  "day": "02",  "hour": "14",  "minute": "11",  "ownerId": 1  },  {  "id": 1,  "sensorId": 1,  "sensorNumber": "0af1e7c1c3c74b6e926349d141162953",  "sensorValues": [  {  "value": "10"  }  ],  "sensorTrueValue": "\\x6800000000",  "dateTime": "2017-09-02",  "createDate": "2017-09-02 14:09:53",  "modifyDate": "2017-09-02 14:09:58",  "year": "2017",  "month": "09",  "day": "02",  "hour": "14",  "minute": "09",  "ownerId": 1  }  ],  "page": {  "totalPage": 1,  "total": 3,  "pageNumber": 1,  "pageSize": 20  }  } | | | |

## 10.3获取传感器实时上报

说明：用于获取设备传感器状态，最近一次上报参数

|  |  |  |  |
| --- | --- | --- | --- |
| 接口地址 | http://localhost:8080/ucskype-iot-api/internal/report/commonInternal.jsp | | |
| 提交方式 | GET/POST | | |
|  |  | | |
| 接口参数 | | | |
| 参数名称 | 类型 | 是否必须 | 说明 |
| idNumber | String | True | 传感器编号 |
| 请求示例 | | | |
| {"action":"equipmentSensorState","method":"getEquipmentSensorStateByIdnumber","session":{"sessionId":"79eaa27d3c9148249260c4110f14b75a","equipmentTypeId":"1"},"param":{"idNumber":"0af1e7c1c3c74b6e926349d141162953"}} | | | |
| 返回结果 | | | |
| {  "errcode": "0",  "errmsg": "拉取上报信息成功!",  "value": {  "id": 3,  "idNumber": "0af1e7c1c3c74b6e926349d141162953",  "values": [  {  "value": "30"  }  ],  "trueValue": "\\x6800002400",  "state": 0,  "equipmentName": "消防类",  "sensorName": "传感器1",  "sensorType": 1,  "modifyDate": "Sat Sep 02 14:12:05 CST 2017"  }  } | | | |