IMC-ESER REST API

# 整体统计

**Request**:

GET /globalStats

**Parameters**:

none

**Response**:

{

"sites": {

"total": 1200,

"norml": 1120,

"offline": 14,

"alarm": 66

},

"alarms": {

"total": 151084,

"fatal": 3212,

"urgent": 0,

"important": 147872,

"general": 0

}

}

# 左侧区域列表接口

**Request**:

GET /areas

**Parameters**:

none

**Response**:

{

"areaList": [{

"id": 1,

"name": "KIEV"

},{

"id": 2,

"name": "KIEV"

}]

}

# 站点列表

**Request**:

GET /sites

**Parameters**:

areaId: 查询区域 //无参数查询所有；有参数查询指定的，多个参数时用”,”分隔

status: 查询状态

start: 1, //起始记录索引

amount: 100, //记录数

order: "id" //排序方式，没有时后台默认排序 🡺 支持siteList中所有字段名称，缺省id

direction: asc | desc 🡺 新增参数，缺省asc

**Response**:

{

"siteList": [{

"id": 1,

"name": "KI0097",

"status": "offline",

"areaId": 1,

"areaName": "KIEV"

}, {

"id": 2,

"name": "KI0361",

"status": "offline",

"areaId": 1,

"areaName": "KIEV"

}]

}

# 站点详细信息

**Request**:

GET /site/{siteId}

**Parameters**:

none

**Response**:

{

"id": 1,

"name": "KI0097",

"status": "offline",

"areaId": 1,

"areaName": "KIEV",

"alarmStats": {

"total": 176,

"fatal": 15,

"urgent": 0,

"important": 161,

"general": 0

},

"details": {

"Smoke Alarm": "-",

"Device connect state": "-",

"Air-2 Conditioner Running Status": "-",

"AC-2 current lower limit": "-",

"DT": "-",

"Emergency mode open AC time": "-",

"Fan total running time\_hour": "-",

"Fan Startup Temp": "-",

"AC-2 total running time\_hour": "-",

"AC-2 total running time\_minute": "-",

"Fan Power": "-",

"Outdoor Temperature Alarm": "-",

"Fan total running time\_minute": "-",

"Base Station C Phase Current": "-",

"A/C Startup Temp": "-",

"Fire alarm": "-",

"Work mode": "-",

"Indoor Humidity Alarm": "-",

"AC-2 total running time\_day": "-",

"Humidity lower limit": "-",

"Base Station C Phase Voltage": "-",

"Base Station Total Power Consumption Cumulative Value": "-",

"Air-1 Conditioner Fault": "-",

"WTL": "-",

"AC-2 current limit delay": "-",

"Base Station B Phase Voltage": "-",

"DC voltage lower limit": "-",

"WTF": "-",

"AC-1 current upper limit": "-",

"AC-1 Current": "-",

"Fan total running time\_day": "-",

"Fan speed percentage": "-",

"Fan Fault": "-",

"AC-2 current upper delay": "-",

"AC-1 current lower limit": "-",

"AC minimum running time": "-",

"Water Leak Alarm": "-",

"Base Station B Phase Current": "-",

"Air-1 Conditioner Running Status": "-",

"Fan Running Status": "-",

"Manual control of the fan speed": "-",

"Allow humidity limit": "-",

"AC-1 total running time\_hour": "-",

"FWTF": "-",

"AC-1 total running time\_minute": "-",

"Base Station A Phase Current": "-",

"AC-2 current upper limit": "-",

"Fan power consumption": "-",

"Communication interrupt alarm": "-",

"Indoor and outdoor temperature difference": "-",

"Fan High Speed": "-",

"AC-1 Current Alarm": "-",

"Air Conditioner C Phase Current": "-",

"Door Magnetic Alarm": "-",

"Air Conditioner Total Power Consumption Cumulative Value": "-",

"AC-1 total running time\_day": "-",

"Emergency Mode Temp": "-",

"AC-1 current limit delay": "-",

"Emergency mode close AC enable": "-",

"AC-1 current upper delay": "-",

"Outdoor Temperature": "-",

"Fan Low Speed": "-",

"High Temp Alarm Temp": "-",

"Air Conditioner B Phase Current": "-",

"Outdoor temperature upper limit": "-",

"Indoor Humidity": "-",

"Indoor Temperature Alarm": "-",

"Base Station A Phase Voltage": "-",

"Air Conditioner A Phase Current": "-",

"Humidity upper Limit": "-",

"Infrared Alarm": "-",

"AC-1 alarm": "-",

"Fan Medium Speed": "-",

"ATF": "-",

"Air-2 Conditioner Fault": "-",

"Clear smoke": "-",

"Indoor temperature upper limit": "-",

"Outdoor temperature lower limit": "-",

"T3": "-",

"Filter clogged alarm": "-",

"AC-2 alarm": "-",

"Clear Fan Power Consumption": "-",

"Clear all alarm": "-",

"AC Fault Alarm": "-",

"Fan minimum running time": "-",

"Turn off fan when low voltage": "-",

"AC-2 Current": "-",

"AC-2 Current Alarm": "-",

"Indoor temperature lower limit": "-",

"Indoor Temperature": "-"

}

}

# 站点地图数据

**Request**:

GET /sitesMap

**Parameters**:

none

**Response**:

//TODO

# 历史告警查询

**Request**:

GET / hisalarms

**Parameters**:

start: 1 //起始记录

amout: 20 //数量条数 无参数或无值查询所有

order: null //排序字段，可暂不支持 🡺 支持alarmsList中所有字段名称，缺省SimplingTime

direction: desc | asc 🡺 增加一个排序方式，降序或升序，缺省降序

status: 'fatal' //按状态查询，无参数或无值为查询全部

siteId: 213 //查询指定站点，无参数或无值为全部站点

areaId: 11 //查询指定区域，无参数或无值为所有区域；但指定siteId时忽略此参数

keyword: 'asfd' //按关键字过滤，可暂不支持 🡺 暂不支持

startTime: yyyy-MM-dd，included，可选

endTime: yyyy-MM-dd, excluded，可选

**Response**:

{

"totalRecords": 2,

"alarmsList": [

{

"siteId": 10,

"siteName": "K0109",

"signalName": "Comm. Failure alarm",

"samplingData": "0",

"samplingTime": "2015-06-26 18:49:07.447",

"warning": "No"

},

{

"siteId": 10,

"siteName": "KI0196",

"signalName": "Comm. Failure alarm",

"samplingData": "0",

"samplingTime": "2015-06-26 18:49:07.447",

"warning": "No"

}

]

}

# 历史告警导出

**Request**:

GET / exportHisAlarms

**Parameters**:

order: null //排序字段，可暂不支持 🡺 支持alarmsList中所有字段名称，缺省SimplingTime

direction: desc | asc 🡺 增加一个排序方式，降序或升序，缺省降序

status: 'fatal' //按状态查询，无参数或无值为查询全部

siteId: 213 //查询指定站点，无参数或无值为全部站点

areaId: 11 //查询指定区域，无参数或无值为所有区域；但指定siteId时忽略此参数

keyword: 'asfd' //按关键字过滤，可暂不支持 🡺 暂不支持

startTime: yyyy-MM-dd，included，可选

endTime: yyyy-MM-dd, excluded，可选

**Response**:

Excel file stream.

# 告警查询

**Request**:

GET /alarms 🡺 实时告警查询

增加支持历史告警查询： GET /hisalarms，参数同实时告警查询

**Parameters**:

start: 1 //起始记录

amout: 20 //数量条数

order: null //排序字段，可暂不支持 🡺 支持alarmsList中所有字段名称，缺省SimplingTime

direction: desc | asc 🡺 增加一个排序方式，降序或升序，缺省降序

status: 'fatal' //按状态查询，无为查询全部

siteId: 213 //查询指定站点，无为全部站点

areaid: 11 //查询指定区域，无为所有区域 🡺 改为areaId，指定siteId时忽略

keyword: 'asfd' //按关键字过滤，可暂不支持 🡺 暂不支持

**Response**:

{

"totalRecords": 2,

"alarmsList": [

{

"siteId": 10,

"siteName": "K0109",

"signalName": "Comm. Failure alarm",

"samplingData": "0",

"samplingTime": "2015-06-26 18:49:07.447",

"warning": "No"

},

{

"siteId": 10,

"siteName": "KI0196",

"signalName": "Comm. Failure alarm",

"samplingData": "0",

"samplingTime": "2015-06-26 18:49:07.447",

"warning": "No"

}

]

}

# 最近30天告警统计

**Request**:

GET /alarmsStat

**Parameters**:

startTime: 1436630400000 查询起始时间

endTime: 1439222400000 查询结束时间

**Response**:

{

"datetime": [1436630400000, 1436716800000, 1436803200000, 1436889600000, 1436976000000, 1437062400000, 1437148800000],

"fatal": [12, 21, 10, 7, 4, 10, 22],

"ugrent": [20, 30, 41, 10, 12, 9, 39],

"important": [5, 53, 30, 12, 23, 56, 11],

"general": [10, 14, 53, 30, 12, 23, 12]

}

# 登录

**Request**:

POST /login

**Parameters**:

username: admin //用户名

password: asdf\*963 //密码

**Response**:

//成功

{

"result": 0,

"errMsg": null

}

//失败

{

"result": 1,

"errMsg": "The user name or password is incorrect."

}

# 退出

**Request**:

POST /logout

**Parameters**:

none

**Response**:

//成功

{

"result": 0,

"errMsg": null

}

//失败

{

"result": 1,

"errMsg": ""

}

# 修改账号

**Request**:

POST /modifyAccount

**Parameters**:

username: admin //当前账号

newPassword: asdf\*963 //密码

**Response**:

//成功

{

"result": 0,

"errMsg": null

}

//失败

{

"result": 1,

"errMsg": ""

}