AFC-CD-APP 后台接口文档

V 1.01

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# 客流预测和分析

## 车站分时客流分析

***URL:http://localhost:4060/stationShare***

***Method：GET***

***Input：***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **名称** | **类型** | **可否为空** | **备注** | **参数类型** |
| ***ids*** | List<int> | N | 车站id | RequestParam参数 |
| ***time*** | Date | N | 选择的时间戳 |  |

<http://127.0.0.1:4060/stationShare?ids=114%2C119&time=2017%2F11%2F20>

Output

## 车站累计客流分析

***URL:http://localhost:4060/stationSum***

***Method：GET***

***Input：***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **名称** | **类型** | **可否为空** | **备注** | **参数类型** |
| ***ids*** | List<int> | N | 车站id | RequestParam参数 |
| ***time*** | Date | N | 选择的时间戳 |  |

<http://127.0.0.1:4060/stationSum?ids=114%2C119&time=2017%2F11%2F20>

Output

## 车站分时客流预测

***URL:http://localhost:4060/stationSharePredict***

***Method：GET***

***Input：***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **名称** | **类型** | **可否为空** | **备注** | **参数类型** |
| ***stationIds*** | List<int> | N | 车站id | RequestParam参数 |
| ***time*** | Date | N | 选择的时间戳 |  |

<http://127.0.0.1:4060/stationSharePredict?stationIds=114%2C119&time=2017%2F11%2F20>

Output

## 车站累计客流预测

***URL:http://localhost:4060/stationSumPredict***

***Method：GET***

***Input：***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **名称** | **类型** | **可否为空** | **备注** | **参数类型** |
| ***stationIds*** | List<int> | N | 车站id | RequestParam参数 |
| ***time*** | Date | N | 选择的时间戳 |  |

<http://127.0.0.1:4060/stationSumPredict?stationIds=114%2C119&time=2017%2F11%2F20>

Output

## 线路分时客流分析

***URL:http://localhost:4060/lineShare***

***Method：GET***

***Input：***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **名称** | **类型** | **可否为空** | **备注** | **参数类型** |
| ***ids*** | List<int> | N | 线路id | RequestParam参数 |
| ***Time*** | String | N | 选择的时间戳 |  |

<http://127.0.0.1:4060/lineShare?time=2017%2F11%2F20&ids=4%2C11>

Output

## 线路累计客流分析

***URL:http://localhost:4060/lineSum***

***Method：GET***

***Input：***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **名称** | **类型** | **可否为空** | **备注** | **参数类型** |
| ***ids*** | List<int> | N | 车站id | RequestParam参数 |
| ***Time*** | String | N | 选择的时间戳 |  |

<http://127.0.0.1:4060/lineSum?time=2017%2F11%2F20&ids=4%2C11>

Output

|  |
| --- |
|  |

## 线路分时客流预测

***URL:http://localhost:4060/lineSharePredict***

***Method：GET***

***Input：***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **名称** | **类型** | **可否为空** | **备注** | **参数类型** |
| **lineIds** | List<int> | N | 车站id | RequestParam参数 |
| ***Time*** | String | N | 选择的时间戳 |  |

[***http://127.0.0.1:4060/lineSharePredict?time=2017%2F11%2F20&lineIds=4%2C11***](http://127.0.0.1:4060/lineSharePredict?time=2017%2F11%2F20&lineIds=4%2C11)

Output

## 线路累计客流预测

***URL:http://localhost:4060/lineSumPredict***

***Method:GET***

***Input:***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **名称** | **类型** | **可否为空** | **备注** | **参数类型** |
| ***ids*** | List<int> | N | 车站id | RequestParam参数 |
| ***Time*** | String | N | 选择的时间戳 |  |

[***http://127.0.0.1:4060/lineSumPredict?time=2017%2F11%2F20&lineIds=4%2C11***](http://127.0.0.1:4060/lineSumPredict?time=2017%2F11%2F20&lineIds=4%2C11)

Output

## 票卡分时对比

***URL:http://localhost:4060/ticketShare***

***Method:GET***

***Input:***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **名称** | **类型** | **可否为空** | **备注** | **参数类型** |
| ***Time*** | String | N | 选择的时间戳 |  |

[***http://127.0.0.1:4060/ticketShare?time=2017%2F11%2F20***](http://127.0.0.1:4060/ticketShare?time=2017%2F11%2F20)

## 票卡累计对比

***URL:http://localhost:4060/ticketSum***

***Method:GET***

***Input:***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **名称** | **类型** | **可否为空** | **备注** | **参数类型** |
| ***section*** | int | N | 时间片段 | RequestParam参数 |
| ***direction*** | int | N | 进出站标志 |  |
| ***Time*** | String | N | 选择的时间戳 |  |

[http:/***/127.0.0.1:4060/ticketSum?time=2017%2F11%2F20&section=10&direct=0***](http://127.0.0.1:4060/ticketSum?time=2017%2F11%2F20&section=10&direct=0)

Output

# 设备状态监控

## 设备当前状态监控

***URL:http://localhost:4060/statusByIds***

***Method:GET***

***Input:***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **名称** | **类型** | **可否为空** | **备注** | **参数类型** |
| List<ReceiveMsg> | List | N | 设备id集合 | RequestParam参数 |

Output

## 设备关键报警推送

## 阵列报警推送

## 车站报警推送

## 通信网络报警推送

## 系统运行状态推送

## 地图历史报警

***http://127.0.0.1:4060/mapDetail***

# 故障分析与保养管理

## 典型故障分析

[***URL:http://localhost:4060/tagFailed/{flag}***](URL:http://localhost:4060/tagFailed/%7bflag%7d)

***URL:http://localhost:4060/tagFailed/percent***

***URL:http://localhost:4060/tagFailed/count***

***Method:GET***

***Input:***

|  |  |  |  |
| --- | --- | --- | --- |
| **名称** | **类型** | **可否为空** | **备注** |
| page | int | N | 页索引 |
| pageSize | int | N | 页数大小 |
| lineId | int | N | 线路id |
| timeCount | int | N | 月数 |

[***http://localhost:4060/tagFailed/percent?page=1&pageSize=10&lineId=4&timeCount=6***](http://localhost:4060/tagFailed/percent?page=1&pageSize=10&lineId=4&timeCount=6)

Output

## 模块故障分析

[***URL:http://localhost:4060/moduleFailed/{flag}***](URL:http://localhost:4060/moduleFailed/%7bflag%7d)

***URL:http://localhost:4060/moduleFailed/percent***

***URL:http://localhost:4060/moduleFailed/count***

***Method:GET***

***Input:***

|  |  |  |  |
| --- | --- | --- | --- |
| **名称** | **类型** | **可否为空** | **备注** |
| moduleId | int | N | RequestParam参数 |
| page | int | N | 页索引 |
| pageSize | int | N | 页数大小 |
| lineId | int | N | 线路id |
| timeCount | int | N | 月数 |

[***http://localhost:4060/moduleFailed/percent?page=1&pageSize=10&lineId=4&timeCount=6&moduleId=4***](http://localhost:4060/moduleFailed/percent?page=1&pageSize=10&lineId=4&timeCount=6&moduleId=4)

Output

## 设备故障分析

[***URL:http://localhost:4060/deviceFailed/{flag}***](URL:http://localhost:4060/deviceFailed/%7bflag%7d)

***URL:http://localhost:4060/deviceFailed/percent***

***URL:http://localhost:4060/deviceFailed/count***

***Method:GET***

***Input:***

|  |  |  |  |
| --- | --- | --- | --- |
| **名称** | **类型** | **可否为空** | **备注** |
| page | int | N | 页索引 |
| pageSize | int | N | 页数大小 |
| lineId | int | N | 线路id |
| timeCount | int | N | 月数 |

[***http://localhost:4060/deviceFailed/percent?page=1&pageSize=10&lineId=4&timeCount=6***](http://localhost:4060/deviceFailed/percent?page=1&pageSize=10&lineId=4&timeCount=6)

Output

## 设备宕机率（开机率）分析

[***URL:***](URL:http://localhost:4060/deviceFailed/%7bflag%7d) ***http://127.0.0.1:4060/deviceDown/{flag}***

***URL:*** ***http://127.0.0.1:4060/deviceDown/percent***

***URL:*** ***http://127.0.0.1:4060/deviceDown/count***

***Method:GET***

***Input:***

|  |  |  |  |
| --- | --- | --- | --- |
| **名称** | **类型** | **可否为空** | **备注** |
| location | string | N | 定位目标  Line—线路  Station—车站 |
| id | int | N | 目标id |
| count | int | N | 月数 |
| page | int | N | 页索引 |
| pageSize | int | N | 页数 |

***http://112.124.51.202:4060/deviceDown/percent?location=line&id=4&count=12&page=1&pageSize=10***

Output

## 故障因子分析

[***URL:***](URL:http://localhost:4060/deviceFailed/%7bflag%7d) [***http://127.0.0.1:4060/failureReason/{flag}***](http://127.0.0.1:4060/failureReason/%7bflag%7d)

***运行时长***

***URL:*** [***http://127.0.0.1:4060/failureReason/section***](http://127.0.0.1:4060/failureReason/section)

***交易次数***

***URL:*** ***http://127.0.0.1:4060/failureReason/count***

***Method:GET***

***Input:***

|  |  |  |  |
| --- | --- | --- | --- |
| **名称** | **类型** | **可否为空** | **备注** |
| type | int | N | 设备类型 |
| moduleId | int | N | 模块id |
| Location | string | N | 定位目标  default—默认  line—线路  station—车站  device—设备 |
| count | int | N | 月数 |
| id | int | Y | 定位目标id |

***//1、运行时间***

***//查询所有线路(默认)***

***http://127.0.0.1:4060/failureReason/section?type=3&moduleId=12&location=default&count=12***

***//查询线路4***

***http://127.0.0.1:4060/failureReason/section?type=3&moduleId=12&location=line&count=12&id=4***

***//根据车站查询***

***http://127.0.0.1:4060/failureReason/section?type=3&moduleId=12&location=station&count=12&id=58***

***//根据设备查询***

***http://127.0.0.1:4060/failureReason/section?type=3&moduleId=12&location=device&count=12&id=50616321***

***//2、交易次数***

***http://127.0.0.1:4060/failureReason/count?type=3&moduleId=12&location=default&count=12***

***http://127.0.0.1:4060/failureReason/count?type=3&moduleId=12&location=line&count=12&id=4***

***http://127.0.0.1:4060/failureReason/count?type=3&moduleId=12&location=station&count=12&id=58***

***http://127.0.0.1:4060/failureReason/count?type=3&moduleId=12&location=device&count=12&id=50616321***

## 保养计划生成

## 保养计划状态监视

# 耗材分析与预测

## 消耗分析和预测

[***URL:http://localhost:4060/component/{flag}***](URL:http://localhost:4060/deviceFailed/%7bflag%7d)

***消耗分析***

[***URL:http://localhost:4060/component/consume***](URL:http://localhost:4060/component/consume)

***消耗预测***

***URL:http://localhost:4060/component/predict***

***Method:GET***

***Input:***

|  |  |  |  |
| --- | --- | --- | --- |
| **名称** | **类型** | **可否为空** | **备注** |
| count | int | N | 月数 |
| page | int | N | 页索引 |
| pageSize | int | N | 页数 |

***http://127.0.0.1:4060/component/consume?count=12&page=1&pageSize=10***

***http://127.0.0.1:4060/component/predict?count=12&page=1&pageSize=10***

Output

## 耗材去向分析

# 能耗分析与节能

## 供电系统分析

[***http://112.124.51.202:4060/power?time=2017/12/07***](http://112.124.51.202:4060/power?time=2017/12/07)

## 通风系统分析

[***http://112.124.51.202:4060/ventilation?time=2017/12/07***](http://112.124.51.202:4060/ventilation?time=2017/12/07)

## 空调系统分析

[***http://112.124.51.202:4060/airCondition?time=2017/12/07***](http://112.124.51.202:4060/airCondition?time=2017/12/07)

## 电扶梯系统分析

[***http://112.124.51.202:4060/escalator?time=2017/12/07***](http://112.124.51.202:4060/escalator?time=2017/12/07)

## 照明系统分析

[***http://112.124.51.202:4060/lighting?time=2017/12/07***](http://112.124.51.202:4060/lighting?time=2017/12/07)

# 基础信息接口

***//线路下车站***

***http://127.0.0.1:4060/stationsByLineId/{id}***

***http://127.0.0.1:4060/stationsByLineId/4***

***//车站下设备***

***http://127.0.0.1:4060/findByStationId/{id}***

***http://127.0.0.1:4060/findByStationId/58***