# 接口说明

1. 传输方式采用HTTP。
2. 采用POST方式递交数据。
3. 递交和返回的数据格式为JSON。
4. 统一采用UTF-8字符编码。

# 签名与验签规则

## 令牌获取

用户登录时检查本地加密狗信息(前端实时获取)，根据用户对应店铺校验加密狗的合法性，在成功验证加密狗后根据时间生成用户令牌，其中令牌结构包含用户编号、店铺编号、生成时间、加密狗编号、令牌编号、令牌更新时间。

## 前端递交数据

前端在递交数据时需计算数字签名（SignKey），并带上令牌号，后台根据令牌号进行验签，确保数据安全性

## 签名规则

将所有参数按照字母自然顺序排列，将值拼接在一起，并带上加密狗号（前端实时获取）以及令牌进行MD5运算，获得签名值。例如：

[http://gateway/Action=调用方法](http://gateway/action?A_Parameter=value1&B_Parameter=value2&T_Parameter=value3)

[POST参数示例：](http://gateway/action?A_Parameter=value1&B_Parameter=value2&T_Parameter=value3)

[{](http://gateway/action?A_Parameter=value1&B_Parameter=value2&T_Parameter=value3)

["shopId":"100010",](http://gateway/action?A_Parameter=value1&B_Parameter=value2&T_Parameter=value3)

["cardId":"12345678",](http://gateway/action?A_Parameter=value1&B_Parameter=value2&T_Parameter=value3)

["cardName":"黄金卡",](http://gateway/action?A_Parameter=value1&B_Parameter=value2&T_Parameter=value3)

["realName":"张三",](http://gateway/action?A_Parameter=value1&B_Parameter=value2&T_Parameter=value3)

["idCard":"123456789abcdefgh",](http://gateway/action?A_Parameter=value1&B_Parameter=value2&T_Parameter=value3)

["phone":"13812344321",](http://gateway/action?A_Parameter=value1&B_Parameter=value2&T_Parameter=value3)

["token":"](http://gateway/action?A_Parameter=value1&B_Parameter=value2&T_Parameter=value3)[B9FA6077762B4D779189C5B86A1F2CC6"](http://gateway/action?A_Parameter=value1&B_Parameter=value2&T_Parameter=value3)

["signKey":"3030F4C7B00443D58D4CC982FD003597"](http://gateway/action?A_Parameter=value1&B_Parameter=value2&T_Parameter=value3)

[}](http://gateway/action?A_Parameter=value1&B_Parameter=value2&T_Parameter=value3)

RESPONSE响应示例：

{

"return\_code":"1",

"return\_msg":"",

"result\_code":"1",

"result\_msg":"",

"signkey":"6512bd43d9caa6e02c990b0a82652dca",

"result\_data":

{

}

}

参数拼接为：

12345678黄金卡123456789abcdefgh13812344321张三100010B9FA6077762B4D779189C5B86A1F2CC6加密狗号

将其进行MD5运算。

## 验签规则

后台验签：根据令牌号获取加密狗号，按照参数字母自然顺序排列，将值进行拼接进行MD5运算，方法同步骤3。

前端验签：根据本地加密狗号进行验签，步骤同后台验签过程，不同的是参数中不再包含令牌值，参与计算的参数为”return\_code”,”return\_msg”,”result\_code”,”result\_msg”。

# 短信接口

## 验证码发送接口

**接口地址**：/SMSService?action=sendSMSCode

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | mobile | 接收验证码手机号码 |  |
| 2 | templateId | 模板ID | 1：用户注册 |
| 3 | token | 令牌 |  |
| 4 | signkey | 签名 |  |

**返回值：**

1. **正确返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"signkey": "6512bd43d9caa6e02c990b0a82652dca"

}

1. **失败返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "手机号不正确",

"signkey": "bf0810688513972366a302ef3456369a"

}

## 验证码校验

**接口地址**：/SMSService?action=checkCode

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | mobile | 接收验证码手机号码 |  |
| 2 | code | 验证码 | 6位数字 |
| 3 | token | 令牌 |  |
| 4 | signkey | 签名 |  |

**返回值：**

1. **正确返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"signkey": "6512bd43d9caa6e02c990b0a82652dca"

}

1. **失败返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "验证码不存在或已过期",

"signkey": "24489c36e48623f3de6d6117b39f1436"

}

## 短信发送

**接口地址**：/SMSService?action=send

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | mobile | 接受短信手机号码 |  |
| 2 | body | 短信内容 |  |
| 3 | type | 0-广告类;1-验证码类 |  |
| 4 | token | 令牌 |  |
| 5 | signkey | 签名 |  |

示例：

{"mobile": "15618920033","body":"短信验证，请保护好","type":1,"token":"1","signkey":"1f626576304bf5d95b72ece2222e42c3"}

**返回值：**

1. **正确返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"signkey": "6512bd43d9caa6e02c990b0a82652dca"

}

**（2）失败返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "手机号不正确",

"signkey": "bf0810688513972366a302ef3456369a"

}

## 短信余额

**接口地址**：/SMSService?action=balance

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | pid | 产品编号 |  |
| 2 | token | 令牌 |  |
| 3 | signkey | 签名 |  |

示例：

{"pid":"1012818","token":"1","signkey":"1f626576304bf5d95b72ece2222e42c3"}

**返回值：**

1. **正确返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

"remain": 75

},

"signkey": "6512bd43d9caa6e02c990b0a82652dca"

}

1. **失败返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "手机号不正确",

"signkey": "bf0810688513972366a302ef3456369a"

}

# 会员接口

## 用户注册

**接口地址：**/xccloud/member?action=register

**输入参数**：

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 是否必 填 | 备注 |
| 1 | storeid | 门店ID | 是 | 6位数字 |
| 2 | mobile | 手机号码 | 是 |  |
| 3 | wxOpenId | 微信openId | 否 |  |
| 4 | token | 令牌 | 是 |  |
| 5 | signkey | 签名 | 是 |  |

示例:

{ "storeId": "000001", "password": "lijunjie", "mobile": "15618920031", "wxOpenID": "", "token": "1", "signkey": "1f626576304bf5d95b72ece2222e42c3" }

**返回值：**

1. **正确返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

"mobile": "15618920030",

"icCardId": "90000005",

"registerTime": "2017-10-18 17:18",

"cardBeginDate": "2027-10-18",

"cardEndDate": "2017-10-18"

},

"signkey": "6512bd43d9caa6e02c990b0a82652dca"

}

1. **失败返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

"signkey": "bf0810688513972366a302ef3456369a"

}

## 用户登录

# 用户接口

## 用户注册

**接口地址：**/xccloud/userinfo?action=register

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | storeid | 门店ID | 6位数字 |
| 2 | loginname | 登录名 | 25个字符以内（允许中文字符） |
| 3 | loginpassword | 登录密码 | 20位（英文字母、数字、下划线） |
| 4 | realname | 真实姓名 | 25个字符以内（允许中文字符） |
| 5 | mobile | 手机号码 |  |
| 6 | token | 令牌 |  |
| 7 | signkey | 签名 |  |

示例:

{"storeid":"000001","loginname": "lijunjie", "loginpassword": "888888","realname":"lijunjie","mobile":"15618920011","token": "1","signkey": "1f626576304bf5d95b72ece2222e42c3" }

**返回值：**

1. **正确返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

"userId": 26,

"storeId": "000001",

"storeName": "wuhan",

"loginName": "lijunjie",

"realName": "lijunjie",

"mobile": "15618920033",

"createTime": "2017-10-16 16:27:07"

},

"signkey": "6512bd43d9caa6e02c990b0a82652dca"

}

1. **失败返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

"signkey": "bf0810688513972366a302ef3456369a"

}

# 门店接口

## 附近门店

**接口地址：**/xccloud/StoreInfo?action=nearbyStores

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | latitude | 纬度 | 百度坐标 |
| 2 | longitude | 经度 | 百度坐标 |
| 3 | token | 令牌 |  |
| 4 | signkey | 签名 |  |

示例：

{ "latitude": "32.609372", "longitude": "110.787638", "token": "1", "signkey": "1f626576304bf5d95b72ece2222e42c3" }

**返回值：**

1. **正确返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": [

{

"storeId": "000002",

"storeName": "wuhan2"

},

{

"storeId": "000003",

"storeName": "shiyan1"

}

],

"signkey": "6512bd43d9caa6e02c990b0a82652dca"

}

1. **失败返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

"signkey": "d59de30d8bb2229c7e0a4d17acfe45bf"

}

# 会员接口

## 获取会员信息

**接口地址：**/member?action=getInfo

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | mobile | 接收验证码手机号码 |  |
| 2 | token | 令牌 |  |
| 3 | signkey | 签名 |  |

示例：

{"mobile":"15618920031","token":"1","signkey":"1f626576304bf5d95b72ece2222e42c3"}

**返回值：**

1. **正确返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

"icCardID": 10003985,//会员IC卡ID

"memberName": "李俊杰",

"gender": "0",//性别（0:男，1:女）

"birthday": "1976-10-10",//出生日期

"certificalID": "420300197610102511",//证件号码

"mobile": "15618920033",//手机号码

"balance": 0,//币余额

"point": 0,//积分余额

"deposit": 10,//押金

"memberState": "1",//会员状态（0：注销，1：使用中，2：挂失）

"lottery": 0,//彩票数

"note": ""//备注

},

"signkey": "6512bd43d9caa6e02c990b0a82652dca"

}

1. **失败返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "会员信息不存在",

"signkey": "d59de30d8bb2229c7e0a4d17acfe45bf"

}

## 会员注册

**接口地址：**/member?action=getInfo

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | mobile | 接收验证码手机号码 |  |
| 2 | token | 令牌 |  |
| 3 | signkey | 签名 |  |

示例：

{"mobile":"15618920091","token":"1","signkey":"1f626576304bf5d95b72ece2222e42c3"}

**返回值：（**返回值参考获取会员信息接口**）**

1. **正确返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

"icCardID": 90000011,

"memberName": "李俊杰",

"gender": "1",

"birthday": "2017-09-08",

"certificalID": "420300197610102511",

"mobile": "15618920029",

"balance": 0,

"point": 0,

"deposit": 0,

"memberState": "1",

"lottery": 0,

"note": ""

},

"signkey": "6512bd43d9caa6e02c990b0a82652dca"

}

**（2）失败返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "手机号不正确",

"signkey": "bf0810688513972366a302ef3456369a"

}

## 修改会员资料

**说明：**按会员IC卡ID（iccardid参数）修改会员信息

**接口地址**：/member?action=update

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | iccardid | 会员IC卡号 |  |
| 2 | membername | 会员姓名 |  |
| 3 | gender | 性别 | 性别（0:男，1:女） |
| 4 | birthday | 出生日期 |  |
| 5 | certificalid | 证件号码 |  |
| 6 | mobile | 手机号码 |  |
| 7 | token | 令牌 |  |
| 8 | signkey | 签名 |  |

示例：

{

"iccardid": 90000011,

"membername": "李俊杰",

"gender": 1,

"birthday": "2017-09-08",

"certificalid": "420300197610102511",

"mobile": "15618920091",

"token": "1",

"signkey": "1f626576304bf5d95b72ece2222e42c3"

}

**返回值：**

1. **正确返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"signkey": "bf0810688513972366a302ef3456369a"

}

1. **失败返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

"signkey": "bf0810688513972366a302ef3456369a"

}

# 商品接口

## 获取商品信息

**接口地址：**/goods?action=goodsInfo

**输入参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | mobile | 接收验证码手机号码 |  |
| 2 | token | 令牌 |  |
| 3 | signkey | 签名 |  |
| 4 | pageIndex | 页面索引 |  |
| 5 | pageSize | 页面尺寸 |  |

**返回值：**

1. **正确返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

"details": [

{

"barcode": "32432",

"goodsName": "432432",

"price": 10,

"cost": 10,

"units": "瓶",

"quantity": 1,

"allowPointFee": 1,

"point": 100,

"allowCoinFee": 1,

"coin": 10,

"note": "",

"userID": 1,

"updateTime": "2017-01-22 18:34:10",

"state": "0",

"allowLottery": 1,

"lottery": 500,

"windowID": 0,

"allowCashFee": 1

}

],

"pages": {

"pageindex": 0,

"pagesize": 10,

"recordcount": 188,

"pagecount": 18

}

},

"signkey": "6512bd43d9caa6e02c990b0a82652dca"

}

1. **失败返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

"signkey": "bf0810688513972366a302ef3456369a"

}

# 代币管理

## 代币入库

**接口地址：**/coin?action=coinStorage

**输入参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | businessDate | 营业日期 |  |
| 2 | pageIndex | 页面索引 |  |
| 3 | pageSize | 页面尺寸 |  |
| 4 | token | 令牌 |  |
| 5 | signkey | 签名 |  |

## 代币销毁

**接口地址：**/coin?action=coinDestroy

**输入参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | destroyDate | 营业日期 |  |
| 2 | pageIndex | 页面索引 |  |
| 3 | pageSize | 页面尺寸 |  |
| 4 | token | 令牌 |  |
| 5 | signkey | 签名 |  |

## 代币销毁

**接口地址：**/coin?action=coinSales

**输入参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | salesDate | 营业日期 |  |
| 2 | conis | >币数 |  |
| 3 | pageIndex | 页面索引 |  |
| 4 | pageSize | 页面尺寸 |  |
| 5 | token | 令牌 |  |
| 6 | signkey | 签名 |  |

**返回值：**

**（1）正确返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

"cointotalcount": 10716,

"saledetail": [

{

"realtime": "2017-09-06 16:12:36",

"iccardid": "10000922",

"coins": 400,

"workstation": "XCSERVER",

"worktypename": "售币机实物币提币",

"note": ""

}

],

"saledetailpage": {

"pageindex": 0,

"pagesize": 10,

"recordcount": 34,

"pagecount": 4

},

"devicesummarydetail": [

{

"devicename": "XB-20170621DKLT",

"cointotalcount": 1125

},

{

"devicename": "XCSERVER",

"cointotalcount": 9591

}

]

},

"signkey": "6512bd43d9caa6e02c990b0a82652dca"

}

# 代币管理

## 代币入库

**接口地址：**/digitalcoin?action=coinSales

**输入参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | businessDate | 营业日期 |  |
| 2 | token | 令牌 |  |
| 3 | signkey | 签名 |  |

## 代币入库

**接口地址：**/digitalcoin?action=coinDestroy

**输入参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | businessDate | 营业日期 |  |
| 2 | token | 令牌 |  |
| 3 | pageIndex | 页索引 |  |
| 4 | pageSize | 页尺寸 |  |
| 5 | signkey | 签名 |  |

# 系统看板

## 今日营收总览

**接口地址：**/dashboard?action=mom

**说明：**获取上一个营业日期的现金数与当前营业日期的现金数进行环比查询

**输入参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | token | 令牌 |  |
| 2 | signkey | 签名 |  |

示例：

{"token":"1","signkey": "1f626576304bf5d95b72ece2222e42c3" }

**返回值：**

1. **正确返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

"search": "环比",

"total": 64830,//当前营收

"lasttotal": 85311//上日营收

},

"signkey": "6512bd43d9caa6e02c990b0a82652dca"

}

1. **错误返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

"signkey": "bf0810688513972366a302ef3456369a"

}

## 今日营收分析

**接口地址：**/dashboard?action=todayRevenue

**输入参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | token | 令牌 |  |
| 2 | signkey | 签名 |  |

**示例：**

{"token":"1","signkey": "1f626576304bf5d95b72ece2222e42c3" }

**返回值:**

**（1）正确返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

"foodtotal": 0,//套餐销售

"goodtotal": 20349,//商品销售

"digitetotal": 0//售数字币

},

"signkey": "6512bd43d9caa6e02c990b0a82652dca"

}

**（2）失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

"signkey": "bf0810688513972366a302ef3456369a"

}

## 今日吧台营收

**接口地址：**/dashboard?action=todayBarCounterRevenue

**输入参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | token | 令牌 |  |
| 2 | signkey | 签名 |  |

**示例：**

{"token":"1","signkey": "1f626576304bf5d95b72ece2222e42c3" }

**返回值：**

**（1）正确返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": [

{

"name": "XB-20170621DKLT",

"totalmoney": 105160

},

{

"name": "XB-20170420ABZB",

"totalmoney": 30330

},

{

"name": "XCSERVER",

"totalmoney": 27190

}

],

"signkey": "6512bd43d9caa6e02c990b0a82652dca"

}

1. **失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

"signkey": "bf0810688513972366a302ef3456369a"

}

## 今日客流分析

**接口地址：**/dashboard?action=todayPassengerFlow

**输入参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | token | 令牌 |  |
| 2 | signkey | 签名 |  |

**示例：**

{"token":"1","signkey": "1f626576304bf5d95b72ece2222e42c3" }

**返回值：**

**（1）正确返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": [

{

"hour": "01",

"count": 0

},

{

"hour": "24",

"count": 0

}

],

"signkey": "6512bd43d9caa6e02c990b0a82652dca"

}

1. **错误返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

"signkey": "bf0810688513972366a302ef3456369a"

}

## 游戏机台盈亏排行榜

**接口地址：**/dashboard?action=todayGameRanking

**输入参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | token | 令牌 |  |
| 2 | signkey | 签名 |  |

**示例：**

{"token":"1","signkey": "1f626576304bf5d95b72ece2222e42c3" }

**返回值：**

1. **正确返回:**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": [

{

"gamename": "奔跑吧动物",

"totalcount": 54385

},

{

"gamename": "决战万圣夜",

"totalcount": 30800

}

],

"signkey": "6512bd43d9caa6e02c990b0a82652dca"

}

1. **错误返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

"signkey": "bf0810688513972366a302ef3456369a"

}