# 托盘程序服务

## **说明**

托盘程序提供TCP服务对硬件的操作，实现读取加密狗，IC会员卡，身份证，小票打印，出币机出币,掌纹验证功能。

TCP请求和应答都使用JSON格式字符串。

请求类型表：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 请求类型 | 说明 | 备注 |
| 1 | 0 | 用户注册 |  |
| 2 | 1 | 机器名 |  |
| 3 | 2 | 加密狗 |  |
| 4 | 3 | 读取身份证 |  |
| 5 | 4 | 读取IC卡 |  |
| 6 | 5 | 办理新IC卡 |  |
| 7 | 6 | 退卡 |  |
| 8 | 7 | 写入会员卡 |  |
| 9 | 8 | 打印小票 |  |
| 10 | 9 | 出币 |  |
| 11 | 10 | 获取加密狗和机器名 |  |

## **用户注册**

**说明：**用户重新连接TCP后注册

**请求**：

{

"msgType": "0",

"sObj": {

"userToken":"c7201dfa239e45058f99f96e18c01e21"

}

}

**应答**:

**成功：**

{

"result\_code": 1,

"answerMsgType": "0",

"answerMsg": "注册成功"

}

**失败：**

{

"result\_code": 0,

"answerMsgType": "0",

"answerMsg": "错误信息"

}

## **读取机器名**

**请求：**

{

"msgType": 1,

}

**应答**:

**成功：**

{

"result\_code": 1,

"answerMsgType": "1",

"answerMsg": "获取机器名成功",

"dataObj": {

"dogId": "1049378"

}

}

**失败：**

{

"result\_code": 0,

"answerMsgType": "1",

"answerMsg": "错误信息"

}

## **读取加密狗**

**请求：**

{

"msgType": 2,

}

**应答**:

**成功：**

{

"result\_code": 1,

"answerMsgType": "2",

"answerMsg": "获取加密狗号成功",

"dogId": "139134557"，

}

**失败：**

{

"result\_code": 0,

"answerMsgType": "2",

"answerMsg": "错误信息"

}

## **读取身份证**

**请求：**

{

"msgType": 4,

"sObj": {

"userToken": "c7201dfa239e45058f99f96e18c01e21"

}

}

**应答**:

**成功：**

{

"result\_code": 1,

"answerMsgType": "4",

"answerMsg": "获取身份证信息成功",

"cardData": {

"cardNo": "341227198202017035",

"name": "陈广龙",

"gender": "男",

"nation": "汉族",

"birthDay": "1982-02-01",

"address": "安徽省利辛县阚疃镇崔园村陈庄４８户",

"signingOrg": "利辛县公安局",

"makeDate": "2007-02-28",

"expirationDate": "2017-02-28",

"imageUrl": ""

}

}

**失败：**

{

"result\_code": 0,

"answerMsgType": "4",

"answerMsg": "错误信息"

}

## **读取IC卡**

**说明：**

用户发送读取IC卡TCP请求，TCP服务端获取读取IC卡，调用API接口，获取会员信息，并对repeatcode验证。

**请求：**

{

"msgType": 4,

"sObj": {

"userToken": "c7201dfa239e45058f99f96e18c01e21"

}

}

**应答**:

**成功：**

{

"result\_code": 1,

"answerMsgType": "4",

"answerMsg": "读取会员卡成功",

"dataObj": {

"icCardId": "10003976",

"repeatCode": "235"

}

}

**失败：**

{

"result\_code": 0,

"answerMsgType": "4",

"answerMsg": "错误信息"

}

## **IC卡开卡**

**请求：**

{

"msgType": 5,

"sObj": {

"userToken":"24438841c2174ea2998436013a6f9580"

},

"dataObj": {

"icCardId":15619200,

"repeatCode":192

}

}

**应答**:

**成功：**

{

"result\_code": 1,

"answerMsgType": "5",

"answerMsg": "会员卡开通成功",

"dataObj": {

"icCardID": "10004143",

"repeatCode": 100

}

}

**失败：**

{

"result\_code": 0,

"answerMsgType": "5",

"answerMsg": "错误信息"

}

## **打印小票**

**请求：**

{

"msgType": 8,

"sObj": {

"userToken": "c7201dfa239e45058f99f96e18c01e21"

},

"data": {

"ticketType": 8,//票据类型

"ticketData": {

"orderNo": "20071215100010234213423"

}

}

}

**成功：**

{

"result\_code": 1,

"answerMsgType": "8",

"answerMsg": "打印成功"

}

**失败：**

{

"result\_code": 0,

"answerMsgType": "8",

"answerMsg": "错误信息"

}

## **获取加密狗和机器名**

**请求：**

{

"msgType": 10

}

**应答**:

**成功：**

{

"result\_code": 1,

"answerMsgType": "2",

"answerMsg": "获取加密狗号成功",

"dogId": "139134557"，

}

**失败：**

{

"result\_code": 0,

"answerMsgType": "2",

"answerMsg": "错误信息"

}

## **验证是否新卡**

**请求：**

{

"msgType": 11,

"userToken":"68f1f2f3d8f54a4eb31c2e997456cd01"

}

**应答**:

**成功：**

{

"result\_code": 1,

"answerMsgType": "2",

"answerMsg": "获取新卡成功",

"dataObj":{"icCardId":"67536792","repeatCode":"317"}

}

**失败：**

{

"result\_code": 0,

"answerMsgType": "2",

"answerMsg": "获取新卡失败"

}

# 用户接口

## **登陆**

**接口地址：**"/xccloud/UserInfo?action=barLogin"

**说明：**

1. 用户登录后创建用户token；
2. 返回当前班次信息，如果班次不存在创建班次。班次创建规则：每个营业日最多创建的班次，在创建新班次时前一个班次必须为已收班状态。

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | loginName | 用户名 | 用户登录输入 |
| 2 | password | 用户密码 | 用户登录输入 |
| 3 | workStation | 计算机名 | TCP请求托盘程序获取 |
| 4 | dogId | 加密狗号 | TCP请求托盘程序获取 |

**输出参数：**

1. **正确返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

"userToken": "c7201dfa239e45058f99f96e18c01e21",//用户token包含（门店ID、班次id，用户ID）

"storeId": "100027",

"storeName": "武汉1号店",

"scheduleId": "23"，

"checkDate": "2017-12-12",

"scheduleName": "A"

}

}

1. **失败返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息"

}

## **退出**

**接口地址：**"/xccloud/UserInfo?action=barExist"

**说明：**

清理用户token,将当前机器用户的登录状态改为未登录。

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户token |  |

**输出参数：**

1. **正确返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": ""

}

1. **失败返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息"

}

# 班次

## 班次结账（未开发）

**说明：**

结账操作必须店内所有工作站员工下线，更新flw\_checkdate状态，flw\_schedule营业数据写入store\_checkdate

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户token |  |

**返回值：**

1. **正确返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": ""

}

1. **失败返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息"

}

# 会员接口

## 会员注册

**接口地址：**

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |
| 2 | mobile | 手机号码 |  |
| 3 | name | 会员姓名 |  |
| 4 | birthday | 生日 |  |
| 5 | gender | 性别 | 0-男，1-女 |
| 6 | identityCard | 证件号码 |  |
| 7 | note | 备注 |  |
| 8 | memberLevelId | 会员等级Id |  |
| 9 | foodId | 套餐Id（可为空） |  |
| 10 | icCardId | 卡号 |  |
| 11 | deposit | 押金 |  |
| 12 | payCount | 套餐应付金额 |  |
| 13 | realPay | 套餐实付金额 |  |
| 14 | freePay | 优惠金额 |  |
| 15 | payType | 支付方式 | 0 现金,1 微信,2 支付宝,3 银联 |
| 16 | SaleCoinType | 售币类型 | 1电子币(会员卡充值）、2实物币手工、3、实物币售币机 |

示例：

**返回值：**

1. **正确返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

"storeId": "100000",

"storeName":"武汉莘宸电玩1"

"member": {

"icCardID": 10003985, //会员IC卡ID

"memberName": "李俊杰",

"gender": "0",//性别（0:男，1:女）

"birthday": "1976-10-10",

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

"mobile": "15618920033",

"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

"memberLevelName:"普通会员",

"endDate”:"2027-09-09"

}

}

}

1. **失败返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息"

}

## 获取会员等级（OK）

**接口地址：**/XCCloud/Member?action=getMemberLevel

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |

**返回值**

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": [{

"memberLevelId": 1,

"memberLevelName": "金卡",

"foodId": 1,

"foodName": "入会套餐",

"foodPrice": 10.00,

"cardUIURL": "\/Api\/Upload\/image\/XCCloud\/Store\/Member\/u2731521091000.png"

}, {

"memberLevelId": 2,

"memberLevelName": "银卡",

"foodId": 1,

"foodName": "入会套餐",

"foodPrice": 10.00,

"cardUIURL": "\/Api\/Upload\/image\/XCCloud\/Store\/Member\/u2821521091007.png"

}]

}

1. **失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

## 获取会员信息（OK）

**接口地址：**/XCCloud/Member?action=getMember

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | icCardId | 会员卡号 |  |
| 2 | storeId | 门店号 |  |

**返回值：**

1. **正确返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

"icCardID": "10004143",

"memberName": "陈广龙",

"gender": 0,

"birthday": "1982-02-01",

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

"mobile": "15619200033",

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

"note": "",

"memberLevelName": "金卡",

"endDate": "2019-02-23",

"repeatCode": 220,

"storeId": "100025420106001",

"storeName": "zwf门头1",

"storage": 0.00,//储值金

"banlance": 100.00,//币余额

"point": 160.00,//积分余额

"lottery": 0.00,//彩票数

"deposit": 10.00//押金

}

}

# 会员操作

## 1. 通过手机号查询会员卡信息（OK）

**接口地址：**/XCCloud/Member?action=getCardListByPhone

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |
| 2 | mobile | 手机号 |  |
| 3 | code | 验证码 |  |

**返回值：**

1. **正确返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": [

{

"CardId": "10001642011100120180622000177000",

"ICCardNo": "21110024",

"LevelName": "贵宾卡",

"EndDate": "2019-06-13"

}]

}

## 2. 通过身份证号查询会员卡信息（OK）

**接口地址：**/XCCloud/Member?action=getCardListByIDnumber

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | idCardNo | 身份证号 |  |
| 2 | userToken | 用户令牌 |  |

**返回值：**

1. **正确返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": [

{

"CardId": "10001642011100120180622000177000",

"ICCardNo": "21110024",

"LevelName": "贵宾卡",

"EndDate": "2019-06-13"

}]

}

## 3. 按会员卡查询会员及卡信息（OK）

**接口地址：**/XCCloud/Member?action=getMenberCardInfoByICCardId

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | icCardId | 会员卡号 |  |
| 2 | userToken | 用户令牌 |  |

**返回值：**

1. **正确返回**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

"CardId": "10001642011100120180622000177000", //卡ID

"ICCardId": "21110024", //卡号

"CardAvatar": "", //主卡头像

"Deposit": 0, //押金

"EndDate": "2019-06-13", //到期日期

"LevelName": "贵宾卡", //主卡等级

"LockList": [//锁定状态列表

{

"LockExplain": "机台退分限额锁定",//锁定说明

"LockType": 0 //锁定类别

},

{

"LockExplain": "机台非法操作锁定",

"LockType": 1

},

{

"LockExplain": "人工锁定",

"LockType": 2

}

],

"MemberInfo": {

"Avatar": "头像URL",

"Birthday": "1990-01-02",

"Gender": "男",

"IDCardNo": "420111199001025755",

"Mobile": "13125008389",

"UserName": "慕斯",

"Note": ""

},

"CardPurview": { //卡权限

"AllowExitCoin": 1, //允许兑币

"AllowFreeCoin": 1, //允许送币

"AllowIn": 1, //允许投币

"AllowOut": 1, //允许退币

"AllowRenew": 1, //允许续卡

"AllowSaleCoin": 1, //允许售币

"AllowSaveCoin": 1 //允许存币

},

"MemberBalances": [ //余额列表

{

"BalanceIndex": 98316,

"BalanceName": "彩票A",

"Quantity": 0

},

{

"BalanceIndex": 98317,

"BalanceName": "积分A",

"Quantity": 0

}

],

"ChildCardList": [ //附属卡列表

{

"CardShape": "普通卡", //类别

"ChildCardId": "10001642011100120180",//附属卡ID

"ChildICCardId": "21110023", //卡号

"Deposit": "0", //押金

"EndDate": "2019-06-14", //附属卡到期日期

"ChildCardMemberInfo": {

"Avatar": "", //头像

"Birthday": "1990-01-01", //生日

"Gender": "男", //性别

"UserName": "铁头" //名称

},

"LockList": [//附属卡锁定列表

{

"LockExplain": "机台退分限额锁定",//说明

"LockType": 0 //锁定类别

},

{

"LockExplain": "人工锁定",

"LockType": 2

}

]

}

]

}

}

## 4. 退卡

## 4.1 获取会员余额及兑换比例（OK）

**接口地址：**"/XCCloud/Member?action=GetMemberBalanceAndExchangeRate"

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |
| 2 | iccardId | 会员卡号 |  |

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": [

{

"BalanceIndex": 98317, //源余额ID

"TypeName": "积分A", //源余额名

"Total": 1600.5, //总计余额（正价+赠送）

"Balance": 1600.5, //增加余额

"BalanceFree": 0, //赠送余额

"TargetBalanceIndex": 0, //目标余额ID(如：储值金)

"TargetTypeName": "", //目标余额名称

"ExchangeRate": 0, //兑换比例

"DecimalNumber": 0, //保留小数位

"AddingType": 0 //小数舍弃方式

},

{

"BalanceIndex": 98319,

"TypeName": "代币A",

"Total": 1560,

"Balance": 1200,

"BalanceFree": 360,

"TargetBalanceIndex": 98320,

"TargetTypeName": "储值金A",

"ExchangeRate": 0.33,

"DecimalNumber": 0,

"AddingType": 2

},

{

"BalanceIndex": 98316,

"TypeName": "彩票A",

"Total": 6200,

"Balance": 5600,

"BalanceFree": 600,

"TargetBalanceIndex": 0,

"TargetTypeName": "",

"ExchangeRate": 0,

"DecimalNumber": 0,

"AddingType": 0

},

{

"BalanceIndex": 98320,

"TypeName": "储值金A",

"Total": 0,

"Balance": 0,

"BalanceFree": 0,

"TargetBalanceIndex": 98320,

"TargetTypeName": "储值金A",

"ExchangeRate": 1,

"DecimalNumber": 0,

"AddingType": 0

}

]

}

1. **失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

## 4.2 提交退款/退卡信息（OK）

**接口地址：**"/XCCloud/Member?action=BackCard"

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |
| 2 | iccardId | 会员卡号 |  |
| 3 | backType | 退款方式：1仅退款 2退卡又退款 |  |
| 4 | exchangeData | 退款数据：json格式的字符串 | [{"BalanceIndex":1,"ExchangeQty":1000,"ExchangeValue":500},{"BalanceIndex":2,"ExchangeQty":800,"ExchangeValue":400}] |

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

"BackTotal": 1860,//总计退款金额（兑换的储值金+所有卡押金）

"BalanceExchanges": [{

"BalanceIndex": 1,

"TypeName": "代币",

"ExchangeQty": 1000,

"ExchangeValue": 500

}, {

"BalanceIndex": 2,

"TypeName": "积分",

"ExchangeQty": 800,

"ExchangeValue": 400

}],

"CardDeposits": [{

"CardId": "会员卡ID",

"ICCardID": "会员卡号",

"CardType": 1, //附属卡

"Deposit": 30 //押金

}, {

"CardId": "会员卡ID",

"ICCardID": "会员卡号",

"CardType": 0, //主卡

"Deposit": 30

}]

}

}

1. **失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

## 4.3 确认退款/退卡（OK）

**接口地址：**"/XCCloud/Member?action=ConfirmBackCard"

**输入参数**：

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | | 备注 | |
| 1 | userToken | 用户令牌 | |  | |
| 2 | iccardId | 会员卡号 | |  | |
| 3 | backType | 退款方式：1仅退款 2退卡又退款 | | |  |
| 4 | balanceExchanges | 退款集合 | 上个接口中返回的BalanceExchanges | | |
| 5 | cardDeposits | 退卡集合 | 上个接口中返回的CardDeposits | | |

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

}

1. **失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

## 补卡、换卡功能

## 5.1 创建补卡/换卡/续卡订单（OK）

**接口地址：**"/XCCloud/Member?action=createOperateCardOrder"

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |
| 2 | cardIndexId | 旧会员卡ID |  |
| 3 | OperateType | 操作类别 0：换卡 1：补卡 2：续卡 |  |

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

"OrderId": "10001642011100120180626000979000", //订单号

"OrderStatus": 1, //订单状态 1：待支付 2：已支付

"OpFree": "10.00" //订单金额

}

}

1. **失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

## 5.2 补卡、换卡（OK）

**接口地址：**"/XCCloud/Member?action=rechangeCard"

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |
| 2 | orderId | 订单号 |  |
| 3 | newCardNo | 新会员卡号 |  |
| 4 | repeatCode | 新卡动态密码 |  |
| 5 | OperateType | 操作类别 0：换卡 1：补卡 |  |

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

"NewICCardId": "21110022", //新卡号

}

}

1. **失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

## 6. 续卡（OK）

**接口地址：**"/XCCloud/Member?action=renewCard"

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |
| 2 | orderId | 订单号 |  |

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

"ICCardId": "21110019", //卡号

"EndDate": "2022-06-05" //到期日期

}}

1. **失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

## 7. 余额兑换

## 7.1 获取余额兑换列表（OK）

**接口地址：**"/XCCloud/Member?action=getBalanceExchangeList"

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |
| 2 | ICCardId | 会员卡号 |  |

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": [

{

"BalanceId": "303", //源余额ID

"SourceBalanceName": "积分A",

"BalanceTotal": "16100.00", //总余额

"Balance": "16100.00", //正价余额

"BalanceFree": "0.00", //赠送区余额

"TargetChargeList": [

{

"ExchangeRuleId": 45, //兑换规则ID

"TargetBalanceName": "储值金A",

"TargetBalanceQty": "16200.00", //目标余额数

"SourceCount": 3, //源数量

"TargetCount": 1, //目标数量 即:3个积分A=1个储值金A，源数量与目标数量 用于计算兑换比列

"DecimalNumber": 0, //保留小数位

"AddingType": 2, //小数舍弃方式

"ExchangeRate": "0.33" //兑换比列 即： 1一个积分A= 0.33个储值金A

}

]

},

{

"BalanceId": "304",

"SourceBalanceName": "欢乐豆",

"BalanceTotal": "16360.00",

"Balance": "16000.00",

"BalanceFree": "360.00",

"TargetChargeList": [

{

"ExchangeRuleId": 42,

"TargetBalanceName": "储值金A",

"TargetBalanceQty": "16200.00",

"SourceCount": 3,

"TargetCount": 1,

"DecimalNumber": 0,

"AddingType": 2,

"ExchangeRate": "0.33"

},

{

"ExchangeRuleId": 43,

"TargetBalanceName": "积分A",

"TargetBalanceQty": "16100.00",

"SourceCount": 1,

"TargetCount": 5,

"DecimalNumber": 0,

"AddingType": 0,

"ExchangeRate": "5"

}

]

}

]

}

1. **失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

## 7.2 兑换（OK）

**接口地址：**"/XCCloud/Member?action=balanceExchange"

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |
| 2 | ICCardId | 会员卡号 |  |
| 3 | balanceId | 源余额ID |  |
| 4 | exchangeQty | 兑换数量 |  |
| 5 | exchangeRuleId | 兑换规则ID |  |

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": ""

}

1. **失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

## 8. 手工补币

## 8.1 获取补币币种（OK）

**接口地址：**"/XCCloud/Member?action=getRepairCoinBalanceType"

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |

**(1) 成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": [

{

"BalanceIndex": 98319,

"BalanceName": "欢乐豆"

}

]

}

**(2) 失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

## 8.2 补币（OK）

**接口地址：**"/XCCloud/Member?action=repairCoin"

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |
| 2 | iccardId | IC卡号 |  |
| 3 | balanceIndex | 币种ID |  |
| 4 | qty | 补币数量 |  |
| 5 | repairType | 补币方式 1：实物币 2：存入卡中 |  |
| 6 | deviceId | 售币机ID |  |
| 7 | note | 备注 |  |

**(1) 成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

}

**(2) 失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

## 9. 提币操作

## 9.1 按售币机ID获取代币余额（OK）

**接口地址：**"/XCCloud/Member?action=getBalanceTypeByDevice"

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |
| 2 | iccardId | IC卡号 |  |
| 3 | deviceId | 售币机ID |  |

**(1) 成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

"BalanceIndex": 98319,

"BalanceQty": 15,

"BalanceName": "欢乐豆"

}

}

**(2) 失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

## 9.2 按卡号获取提币币种及余额（OK）

**接口地址：**"/XCCloud/Member?action=getBalanceTypeByICCardId"

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |
| 2 | iccardId | IC卡号 |  |
| 3 | deviceId | 售币机ID |  |

**(1) 成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

"BalanceIndex": 98319,

"BalanceQty": 15,

"BalanceName": "欢乐豆"

}

}

**(2) 失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

## 9.3 确认提币（OK）

**接口地址：**"/XCCloud/Member?action=confirmOutCoin"

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |
|  | operateType | 1、会员卡提币 2、微信提币码 3、手机号码提币 |  |
| 2 | iccardId | IC卡号 |  |
| 3 | deviceId | 售币机ID |  |
| 4 | balanceIndex | 提币币种 |  |
| 5 | qty | 提币数量 |  |
| 6 | outCoinCode | 消费密码或微信提币码 |  |
| 7 | note | 备注 |  |

**(1) 成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

"Quantity": 5, //提币数量

"BalanceIndex": 98319 //币种

}

}

**(2) 失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

## 10. 送币

## 10.1 获取当前可送币列表（OK）

**接口地址：**"/XCCloud/Member?action=getMemberFreeCoinInfoList"

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |
| 2 | iccardId | IC卡号 |  |
| 3 | deviceId | 售币机ID |  |

**(1) 成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": [

{

"FreeType": 1,//送币类别：1预赠币 2生日赠币 3输赢赠币

"FreeId": "10001636010300120180629500395000",//赠币规则ID

"Title": "消费预赠币", //标题

"FreeCoinName": "10豆", //赠送币种数量

"Content": "单笔消费满100.00元送50欢乐豆，每次间隔1天，共分5次领", //规则说明

"RemainCount": 5, //剩余可领取次数，只对预赠币类别有效

"RemainFrees": "50豆", //剩余可领取数量，只对预赠币类别有效

"EndDate": "2018-07-09", //到期时间

"FreeDetails": [//赠送详情

{

"BalanceIndex": 98319,//币种ID

"BalanceName": "欢乐豆",//币种名称

"Quantity": 10,//赠送数量

"IsDeviceOut": 1//是否可以出实物币

}

]

},

{

"FreeType": 1,

"FreeId": "10001636010300120180629501358000",

"Title": "消费预赠币",

"FreeCoinName": "10豆",

"Content": "单笔消费满50.00元送30欢乐豆，每次间隔1天，共分3次领",

"RemainCount": 3,

"RemainFrees": "30豆",

"EndDate": "2018-07-04",

"FreeDetails": [

{

"BalanceIndex": 98319,

"BalanceName": "欢乐豆",

"Quantity": 10,

"IsDeviceOut": 1

}

]

},

{

"FreeType": 2,

"FreeId": "26",

"Title": "生日送币",

"FreeCoinName": "1储值金A",

"Content": "生日周内送1储值金A",

"RemainCount": 0,

"RemainFrees": "",

"EndDate": "2018-07-08",

"FreeDetails": [

{

"BalanceIndex": 98320,

"BalanceName": "储值金A",

"Quantity": 1,

"IsDeviceOut": 0

}

]

},

{

"FreeType": 3,

"FreeId": "26",

"Title": "输赢送币",

"FreeCoinName": "1欢乐豆",

"Content": "上一营业日输或赢1欢乐豆送1欢乐豆",

"RemainCount": 0,

"RemainFrees": "",

"EndDate": "2018-07-02",

"FreeDetails": [

{

"BalanceIndex": 98319,

"BalanceName": "欢乐豆",

"Quantity": 1,

"IsDeviceOut": 1

}

]

}

]

}

**(2) 失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

## 10.2 确认送币（OK）

**接口地址：**"/XCCloud/Member?action=confirmFreeCoin"

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |
| 2 | iccardId | IC卡号 |  |
| 3 | deviceId | 售币机ID |  |
| 4 | freeRuleList | 赠币规则数组：[{  "freeType": 1, //类别  "freeId": "10001636010300120180629500395000" //规则ID  }, {  "freeType": 1,  "freeId": "10001636010300120180629501358000"  }, {  "freeType": 2,  "freeId": "26"  }] |  |
| 5 | freeCoinList | 赠币明细数组：[{  "balanceIndex": 98319, //币类型ID  "qty": 10, //数量  "freeCoinType": 1 //赠币方式：1 实物币 2 存入卡  }, {  "balanceIndex": 98320,  "qty": 10,  "freeCoinType": 2  }] |  |

**(1) 成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": ""

}

**(2) 失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

## 11. 会员卡解除锁定（OK）

**接口地址：**"/XCCloud/Member?action=cardUnLock"

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |
| 2 | iccardId | IC卡号 |  |
| 3 | lockType | 锁定状态 |  |

**(1) 成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": ""

}

**(2) 失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

## 12. 会员卡吧台人工锁定（OK）

**接口地址：**"/XCCloud/Member?action=cardManualLock"

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |
| 2 | iccardId | IC卡号 |  |

**(1) 成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": ""

}

**(2) 失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

## 13. 会员卡等级变更

## 13.1 获取当前商户会员等级列表（OK）

**接口地址：**"/XCCloud/Member?action=GetMemberLevelDic"

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |

**(1) 成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": [

{

"MemberLevelID": 16, //等级ID

"MemberLevelName": "游客" //等级名称

},

{

"MemberLevelID": 17,

"MemberLevelName": "银卡会员"

},

{

"MemberLevelID": 26,

"MemberLevelName": "贵宾卡"

}

]

}

**(2) 失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

## 13.2 会员卡等级变更（OK）

**接口地址：**"/XCCloud/Member?action=cardLevelChange"

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |
| 2 | iccardId | IC卡号 |  |
| 3 | levelId | 新级别ID |  |

**(1) 成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": ""

}

**(2) 失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

## 14. 会员卡信息修改（OK）

**接口地址：**"/XCCloud/Member?action=memberCardModify"

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |
| 2 | icCardId | IC卡号 |  |
| 3 | userName | 会员姓名 |  |
| 4 | gender | 性别 |  |
| 5 | note | 备注 |  |
| 6 | allowIn | 允许投币 |  |
| 7 | allowOut | 允许退币 |  |
| 8 | allowSaleCoin | 允许售币 |  |
| 9 | allowSaveCoin | 允许存币 |  |
| 10 | allowFreeCoin | 允许送币 |  |
| 11 | allowExitCoin | 允许兑币 |  |
| 12 | allowRenew | 允许续卡 |  |

**(1) 成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": ""

}

**(2) 失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

# 销售接口

## 获取套餐类别（OK）

**接口地址：**"/XCCloud/Foods?action=getFoodType"

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |

**参数示例：**

{"sysId":"0","versionNo":"0.0.0.1","userToken":"31be7aebf64a4c559cfc521e59f9979d"}

**返回值:**

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

"foodTypeMainList": [{

"FoodTypeId": "-1",

"FoodTypeName": "单品"

}, {

"FoodTypeId": "0",

"FoodTypeName": "充值"

}, {

"FoodTypeId": "1",

"FoodTypeName": "入会"

}],

"foodTypeGoodList": [{

"FoodTypeId": "0",

"FoodTypeName": "销售商品"

}, {

"FoodTypeId": "1",

"FoodTypeName": "兑换礼品"

}, {

"FoodTypeId": "2",

"FoodTypeName": "办公用品"

}, {

"FoodTypeId": "3",

"FoodTypeName": "终端设备"

}],

"foodTypeTicketList": [{

"FoodTypeId": "0",

"FoodTypeName": "次票"

}, {

"FoodTypeId": "1",

"FoodTypeName": "年票"

}]

}

}

1. **失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息"

}

## 获取会员开卡套餐（OK）

**接口地址：**"/XCCloud/Foods?action=getOpenCardFoodList"

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |
| 2 | memberLevelId | 会员等级Id |  |

**参数示例：**

{"sysId": "0", "versionNo": "0.0.0.1", "memberLevelId": "1", "userToken": "31be7aebf64a4c559cfc521e59f9979d"}

**返回值:**

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": [{

"foodId": 101,

"foodName": "500元数字币套餐",

"foodType": 2,

"allowInternet": 0,

"allowPrint": 1,

"foreAuthorize": 0,

"foodPrice": 0.02,

"imageUrl": "http:\/\/192.168.1.145\/Imgs\/13.jpg"

}, {

"foodId": 154,

"foodName": "上海迪士尼乐园",

"foodType": 4,

"allowInternet": 1,

"allowPrint": 1,

"foreAuthorize": 1,

"foodPrice": 2000.00,

"imageUrl": "http:\/\/192.168.1.145\/Imgs\/12.jpg"

}]

}

1. **失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息"

}

## 获取套餐列表（OK）

**接口地址：**"/XCCloud/Foods?action=getFoodList"

**输入参数**：

1. **套餐明细参数(**priceLimit**)**

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | category | 类别 | 0-套餐；1-门票；2-商品； |
| 2 | balanceIndex | 类别 | 1. 金额(现金或第三方支付)   其他支付方式，参考套餐列表接口的balanceType |
| 3 | minPrice | 价格区间最小值 |  |
| 4 | maxPrice | 价格区间最大值 |  |

1. **套餐明细参数**

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 吧台用户令牌 |  |
| 2 | customerType | 0 散客  1 入会  2 会员 |  |
| 3 | memberLevelId | 会员等级ID | 散客，入会，传0值 |
| 4 | foodTypeStr | -1,0,1,2,3... | -1单品 |
| 5 | priceLimit | 价格区间数组Json |  |

**返回值**

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

"food": [{

"foodId": 3,

"foodName": "5元10币",

"foodType": 0,

"allowInternet": 0,

"allowPrint": 1,

"foreAuthorize": 0,

"foodPrice": 2.50,

"imageUrl": "http:\/\/192.168.1.145\/Imgs\/2.jpg",

"detailsCount": 6,

"detailInfoList": [{

"foodId": 3,

"balanceType": 98305,

"typeName": "储值金",

"useCount": 100

}, {

"foodId": 3,

"balanceType": 98306,

"typeName": "代币",

"useCount": 100

}, {

"foodId": 3,

"balanceType": 98307,

"typeName": "积分",

"useCount": 100

}, {

"foodId": 3,

"balanceType": 98308,

"typeName": "彩票",

"useCount": 100

}, {

"foodId": 96,

"foodName": "1元2币",

"foodType": 0,

"allowInternet": 0,

"allowPrint": 1,

"foreAuthorize": 0,

"foodPrice": 0.01,

"imageUrl": "http:\/\/192.168.1.145\/Imgs\/8.jpg",

"detailsCount": 6,

"detailInfoList": [{

"foodId": 96,

"balanceType": 98305,

"typeName": "储值金",

"useCount": 100

}, {

"foodId": 118,

"foodName": "800元1500币",

"foodType": 0,

"allowInternet": 0,

"allowPrint": 1,

"foreAuthorize": 0,

"foodPrice": 0.01,

"imageUrl": "http:\/\/192.168.1.145\/Imgs\/10.jpg",

"detailsCount": 6,

"detailInfoList": [{

"foodId": 118,

"balanceType": 98305,

"typeName": "储值金",

"useCount": 100

}, {

"foodId": 118,

"balanceType": 98306,

"typeName": "代币",

"useCount": 100

}, {

"foodId": 118,

"balanceType": 98307,

"typeName": "积分",

"useCount": 100

}, {

"foodId": 118,

"balanceType": 98308,

"typeName": "彩票",

"useCount": 100

}, {

"foodId": 118,

"balanceType": 98309,

"typeName": "test",

"useCount": 100

}, {

"foodId": 118,

"balanceType": 98315,

"typeName": "现金",

"useCount": 500

}]

}],

"good": [{

"foodId": 4,

"foodName": "娃娃",

"foodType": 0,

"foodPrice": 30.00,

"imageUrl": "http:\/\/192.168.1.145\/Imgs\/4.jpg"

}, {

"foodId": 5,

"foodName": "娃娃",

"foodType": 0,

"foodPrice": 30.00,

"imageUrl": "http:\/\/192.168.1.145\/Imgs\/4.jpg"

}, {

"foodId": 25,

"foodName": "45商品3",

"foodType": 2,

"foodPrice": 40.00,

"imageUrl": "http:\/\/192.168.1.145\/Imgs\/4.jpg"

}],

"ticket": [{

"foodId": 1,

"foodName": "旋转木马",

"foodType": 0,

"foodPrice": 20.00

}, {

"foodId": 2,

"foodName": "淘气包",

"foodType": 1,

"foodPrice": 30.00

}, {

"foodId": 3,

"foodName": "飞机",

"foodType": 2,

"foodPrice": 50.00

}]

}

}

1. **失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息"

}

## 获取套餐明细（OK）

**接口地址：**/XCCloud/Foods?action=getFoodDetail

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 吧台用户令牌 |  |
| 2 | category | 分类 | 0-套餐；1-门票；2-商品； |
| 3 | foodId | 套餐Id |  |

**返回值**

1. **成功返回：**

**套餐分类格式（category：0）：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": [{

"detailId": 160,

"detailFoodType": 2,

"detailFoodTypeName": "礼品",

"containCount": 1,

"containName": "餐饮(1件)"

}, {

"detailId": 161,

"detailFoodType": 2,

"detailFoodTypeName": "礼品",

"containCount": 1,

"containName": "娃娃(1件)"

}, {

"detailId": 162,

"detailFoodType": 3,

"detailFoodTypeName": "门票",

"containCount": 10,

"containName": "10次(10件)"

}, {

"detailId": 163,

"detailFoodType": 0,

"detailFoodTypeName": "代币",

"containCount": 100,

"containName": "100代币"

}, {

"detailId": 166,

"detailFoodType": 1,

"detailFoodTypeName": "餐饮",

"containCount": 1,

"containName": "餐饮(1件)"

}]

}

**门票分类格式（category：1）：**

{

"Return\_Code": "1",

"Return\_Msg": "",

"Result\_Code": "1",

"Result\_Msg": "",

"Result\_Data": {

"note": "门票介绍"

}

}

**商品分类格式（category：2）：**

{

"Return\_Code": "1",

"Return\_Msg": "",

"Result\_Code": "1",

"Result\_Msg": "",

"Result\_Data": {

"note": "商品介绍"

}

}

1. **失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息"

}

## 套餐销售（创建订单）（OK）

**接口地址：**/xccloud/order?action=addOrder

**说明：创建订单接口**

**输入参数**：

1. **套餐明细参数**

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | foodId | 套餐Id |  |
| 2 | category | 类别 | 0-套餐；1-门票；2-商品； |
| 2 | foodCount | 套餐数量 |  |
| 3 | payType | 支付方式 | 1. 金额(现金或第三方支付)   其他支付方式，参考套餐列表接口的balanceType |
| 4 | payNum | 支付数量(金额) | payType \* foodCount |

1. **套餐明细参数**

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | buyDetails | 购买明细数组 |  |
| 2 | customerType | 客户类型 | 0 散客,1 入会,2 会员 |
| 3 | mobile | 手机号码 |  |
| 4 | memberLevelId | 会员等级Id | 如果是散客，值为0，否者为对应的会员等级Id |
| 6 | icCardId | 卡号 |  |
| 7 | payCount | 应付金额 |  |
| 5 | foodCount | 套餐数量 |  |
| 6 | deposit | 押金 |  |
| 7 | openFee | 开卡套餐 |  |
| 8 | workStation | 工作站 |  |
| 9 | authorId | 授权Id |  |
| 10 | note | 注释内容 |  |
| 11 | orderSource | 订单来源 | 0 门店吧台;1 门店自助机;2 美团;3 大众点评;4 糯米 |
| 12 | saleCoinType | 售币类型 | 1电子币、2实物币手工、3、实物币售币机 |
| 13 | userToken | 用户token |  |

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

"orderFlwId": "10002542010600120180512000005001"

}

}

1. **败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

## 获取套餐订单详细信息（订单详情）（OK）

**输入参数**：/xccloud/order?action=getOrderContain

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |
| 2 | orderFlwId | 订单Id |  |

**返回值：**

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

"customerType": 2,

"icCardId": 10004143,

"payCount": 1,

"realPay": 1,

"freePay": 0,

"foodCount": 7,

"detailsGoodsCount": 988,

"memberLevelId": 21,

"memberLevelName": "游客",

"openFee": 0,

"deposit": 0,

"renewFee": 0,

"changeFee": 0,

"errMsg": 0,

"createTime": "2018-05-17 20:25:20",

"userId": 3,

"detail": [{

"category": 1,

"foodId": 1,

"foodName": "旋转木马",

"foodCount": 1,

"payType": 0,

"payTypeName": "现金",

"payNum": 20.00

}, {

"category": 0,

"foodId": 4,

"foodName": "餐饮",

"foodCount": 1,

"payType": 98307,

"payTypeName": "积分",

"payNum": 100.00

}]

}

}

1. **失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息"

}

## 获取快速套餐

**输入参数**：/xccloud/foods?action=getQuickFood

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | icCardId | ic卡ID |  |
| 2 | mobile | 手机 |  |

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

"foodId": 12,

"foodName": "10元15币",

"foodSalePrice": 0,

"coins": 20,

"allowPrint": 1,

"foreAuthorize": 0,

"allowInternet": 0

}

}

1. **失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

## 更新订单

**输入参数**：/xccloud/order?action=updateOrder

**输入参数**：

1. **套餐明细参数(购买明细)**

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | foodId | 套餐Id |  |
| 2 | category | 类别 | 0-套餐；1-门票；2-商品； |
| 3 | foodCount | 套餐数量 |  |
| 4 | payType | 支付方式 | 1. 金额(现金或第三方支付)   其他支付方式，参考套餐列表接口的balanceType |
| 5 | payNum | 支付数量(金额) | payType \* foodCount |

1. **套餐明细参数(券列表)**

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | foodSaleDetailList | 购买明细数组 |  |
| 2 | couponsList | 券类表 | 没有传 |
| 3 | flwOrderId | 订单流水号 |  |
| 4 | mobile | 应付金额 |  |
| 5 | icCardId | 套餐数量 |  |
| 6 | distinctRuleId | 满减规则Id | 没有传0 |
| 7 | payCount | 应付金额 |  |
| 8 | realPay | 实付金额 |  |
| 9 | freePay | 免费金额 |  |
| 10 | workStation | 工作站 |  |
| 11 | note | 备注 |  |
| 12 | orderSource | 订单来源 |  |
| 13 | authorID | 授权用户Id |  |
| 14 | saleCoinType | 售币类型 |  |

## 挂起订单

**接口地址：**/xccloud/order?action=addOrderToCache

**说明：**添加订单到缓存

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |
| 2 | orderFlwId | 订单流水号 | 0-散客，1-开卡，2-会员 |
| 3 | customerType | 客户类型 | 客户类型为1,2时,要输入卡号 |
| 4 | icCardId | 会员卡号 |  |
| 5 | registerMember | 注册会员信息 | 客户类型为1时有内容 |

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": ""

}

1. **失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

## 获取缓存订单

**接口地址：**/xccloud/order?action=getCacheOrder

**说明：**获取缓存订单

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": [{

"flwOrderId": "10002542010600120180521000010001",

"cacheTime": "2018-06-03 15:25"

}]

}

1. **失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

## 套餐订单信息综合查询（OK）

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |
| 2 | flwType | 流水类别（如果为空查询全部） | 0售币；1入会；2数字币；3商品  ；4门票；5餐饮；6混合 |
| 3 | icCardId | 会员卡号 |  |
| 4 | queryKey | 查询关键字 | 按订单号或商品名称模糊查询 |

**返回值：**

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

" lists":[

{

"orderId: "0000000001", //订单号

"flwTypeName": "入会",//流水类别名称

"saleTime": "2017-12-12 00:00:00",//流水类别名称,

"totalMoney": "50.00"//总金额

},{

"orderId: "0000000002", //订单号

"flwTypeName": "商品",//流水类别名称

"saleTime": "2017-12-12 00:00:00",//流水类别 "totalMoney": "50.00"//总金额

}

}

}

1. **失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息"

}

## 完成订单支付（OK）

**接口地址：**/xccloud/order?action=payOrder

**说明：**完成订单支付

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | registerMember | 注册会员信息 |  |
| 2 | workStationId | 工作站Id |  |
| 3 | flwOrderId | 订单流水Id |  |
| 4 | mobile | 手机号码 | 散客购买必传 |
| 5 | realPay | 实付金额 |  |
| 6 | payType | 支付类型 |  |

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": ""

}

1. **失败败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

## 提交会员注册信息（OK）

**接口地址：**/xccloud/order?action=saveRegisterMember

**说明：**保存注册会员

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | flwOrderId | 订单流水号 |  |
| 2 | registerMember | 会员注册JSON |  |
| 3 | smsCode | 短信 |  |

**registerMember参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | mobile | 会员手机 |  |
| 2 | wechatOpenId | 微信ID |  |
| 3 | alipayOpenId | 支付宝ID |  |
| 4 | qq | qq号码 |  |
| 5 | imme |  |  |
| 6 | cardShape | 会员卡外形 |  |
| 7 | userName | 会员名 |  |
| 8 | userPassword | 会员密码 |  |
| 9 | gender | 性别0-男，1-女 |  |
| 10 | birthday | 生日 |  |
| 11 | idCard | 身份证号码 |  |
| 12 | eMail | 邮件地址 |  |
| 13 | photo | 照片 |  |
| 14 | icCardId | 会员卡号 |  |
| 15 | note | 备注 |  |

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": ""

}

1. **失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

## 退货接口（OK）

**接口地址：**/xccloud/order?action=exitFood

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | flwOrderId | 订单Id |  |
| 2 | note | 备注 |  |
| 3 | authorId | 授权Id |  |
| 4 | exitFoodJson | 退出套餐数组Json |  |

**exitFoodJson参数**

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | foodId | 套餐Id |  |
| 2 | category | 类别 | 0-套餐；1-门票；2-商品； |
| 3 | foodCount | 套餐数量 |  |

1. **成功返回：**

{

"return\_Code": "1",

"return\_Msg": "",

"result\_Code": "1",

"result\_Msg": "",

"result\_Data": {

"exitFoodFlwId": "10002542010600120180629502553001"

},

"result\_Type": 0

}

1. **失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

## 订单查询接口（OK）

**接口地址：**/xccloud/order?action=getOrders

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | orderId | 订单Id |  |
| 2 | icCardId | 会员卡号 |  |
| 3 | startDate | 开始日期 |  |
| 4 | endDate | 结束日期 |  |

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": [{

"orderId": "001",

"icCardId": "10004130",

"orderStatus": "1",

"orderStatusName": "等待支付",

"realPay": "7.30",

"freePay": "48.20",

"payCount": "55.50",

"createTime": "2018-06-11 18:39:19",

"userName": "lijunjie",

"note": "note"

}]

}

1. **失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

# 满减

## 获取满减规则信息

**接口地址：**"/XCCloud/discount?action=getDiscountRuleList"

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |
| 2 | customerType | 客户类型 | 0-散客，1-开卡，2-会员 |
| 3 | icCardId | 会员卡号 | 客户类型为1,2时,要输入卡号 |
| 4 | foodPrice | 套餐金额 | （0-传0不按商品价格过滤） |

{"sysId": "0", "versionNo": "0.0.0.1", "userToken": userToken,"mercheId": mercheId, "storeId": storeId, "customerType": customerType,"icCardId": icCardId, "foodPrice": foodPrice }

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

"discountRuleId": 6,

"subPrice": 15,

"detailList": [{

"id": 1,

"ruleName": "满300减20",

"storeCount": 100,

"shareCount": 200,

"memberCount": 1000

}, {

"id": 6,

"ruleName": "100元减10",

"storeCount": 1,

"shareCount": 1,

"memberCount": 1

}]

}

}

1. **失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息"

}

# 优惠券

## 获取会员优惠券

**接口地址：**"/XCCloud/coupon?action=getMemberCouponList"

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |
| 2 | icCardId | 会员卡号 |  |

{"sysId": "0", "versionNo": "0.0.0.1", "userToken": userToken,"icCardId": icCardId}

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": [{

"couponType": 0,

"couponTypeName": "代金券",

"MemberCouponDetail": [{

"couponId": 12,

"couponName": "10元优惠券1",

"couponType": 0,

"couponCode": "d79847caf5304d4188df251bd8c8d63d",

"startDate": "2018-05-01",

"endDate": "2018-05-31",

"startTime": "00:00:00",

"endTime": "23:59:00",

"noStartDate": null,

"noEndDate": null,

"useDay": "周1,周2,周3,周4,周5",

"useDesc": "满100.00,折扣6.00%,再优惠10.00,最高优惠500.00元",

"jackpotDesc": "满800.00元,参与大回馈抽奖活动1次；抽奖时间：2018-03-21 00:00至2018-03-31 00:00;说明：",

"freeCouponDesc": "满100.00送1张券",

"stateName": "已激活",

"lockStatuName": "正常"

}]

}, {

"couponType": 1,

"couponTypeName": "折扣券",

"MemberCouponDetail": [ {

"couponId": 13,

"couponName": "10元优惠券2",

"couponType": 1,

"couponCode": "229e13fd920740cd9cf8bd2aa4c31449",

"startDate": "2018-05-08",

"endDate": "2018-05-08",

"startTime": "00:00:00",

"endTime": "23:59:00",

"noStartDate": null,

"noEndDate": null,

"useDay": "周1,周3,周5",

"useDesc": "满100.00,折扣8.00%,最高优惠100.00元",

"jackpotDesc": "满800.00元,参与大回馈抽奖活动1次；抽奖时间：2018-03-21 00:00至2018-03-31 00:00;说明：",

"freeCouponDesc": "满100.00送1张券",

"stateName": "已激活",

"lockStatuName": "正常"

}]

}, {

"couponType": 2,

"couponTypeName": "兑换券",

"MemberCouponDetail": [ {

"couponId": 14,

"couponName": "10元优惠券3",

"couponType": 2,

"couponCode": "ade54f1a2336458fb1c4a08ea1fb755b",

"startDate": "2018-05-08",

"endDate": "2018-05-08",

"startTime": "00:00:00",

"endTime": "23:59:00",

"noStartDate": "2018-05-08",

"noEndDate": "2018-05-08",

"useDay": "节假日",

"useDesc": "兑换娃娃(1件)",

"jackpotDesc": "满800.00元,参与大回馈抽奖活动1次；抽奖时间：2018-03-21 00:00至2018-03-31 00:00;说明：",

"freeCouponDesc": "满200.00送1张券",

"stateName": "已激活",

"lockStatuName": "正常"

}]

}]

}

字段说明：

startDate：开始日期

endDate：结束日期

startTime：开始时间

endTime：结束时间

noStartDate：无效开始日期

noEndDate：无效结束日期

useDay：可使用的日期(周几可用或“节假日”)

useDesc：券如果使用说明

jackpotDesc：抽奖说明

freeCouponDesc：免费赠送券说明

1. **失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息"

}

## 获取优惠券金额

**接口地址：**"/XCCloud/coupon?action=getCouponPrice"

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 | 用户token |
| 2 | foodPrice | 套餐价格 | 套餐价格 |
| 3 | authorFlag | 授权标记 | 0-为授权，1-已授权 |
| 4 | couponDetails | 优惠券明细 | 参考优惠券明细结构 |

**数据结构:**

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | couponId | 优惠券Id |  |
| 2 | couponCode | 优惠券条码 |  |

**输入参数**：

{

"sysId": "0",

"versionNo": "0.0.0.1",

"userToken": "fdee7c3a5e5942cc962b4d1e1f540c23",

"foodPrice": "500",

"authorFlag": "0",

"couponDetails": "[{\"couponId\":12,\"couponCode\":\"d79847caf5304d4188df251bd8c8d63d\"},{\"couponId\":13,\"couponCode\":\"e867895b7da8482d8e46fe449ce163dc\"}]"

}

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": [{

"couponId": 12,

"couponCode": "d79847caf5304d4188df251bd8c8d63d",

"couponFee": 20.00,

"couponType": 0,

"couponTypeName": "代金券",

"couponNote": "10元优惠券1"

}, {

"couponId": 13,

"couponCode": "e867895b7da8482d8e46fe449ce163dc",

"couponFee": 23.20,

"couponType": 1,

"couponTypeName": "折扣券",

"couponNote": "10元优惠券2"

}]

}

1. **失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息"

}

# 币操作

## 币操作

**输入参数**：

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |
| 2 | icCardId | 会员卡号（为空，对散客操作） |  |
| 3 | type | 币操作类型  吧台调用参数说明：  **手工存币**:4;  **提币**：如果连接出币机器：7；否者3；  **送币**：如果连接出币机器：8；否者2； | 0售币机加币  1售币机清币  2手工实物币送币  3手工实物币提币  4手工存币  5电子币送币  6电子币提币  7售币机实物币提币  8售币机实物币送币 |
| 4 | coins | 币数 |  |

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": ""

}

1. **失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息"

}

# 第三方支付

## 支付宝支付二维码

## 微信支付二维码

# 设备

## 获取设备配置信息

**说明：**获取设备配置信息

**接口地址：**"/XCCloud/coupon?action=getDeviceSetupInfo"

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | type | 设备类型 |  |
| 2 | workStation | 工作站 |  |
| 3 | userToken | 用户token |  |

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

"deviceID": "18",

"motor1EN": "1",

"motor2EN": "0",

"motor1Coin": "0",

"motor2Coin": "0",

"maxSaveCount": "65000",

"fromDevice": "1",

"toCard": "1.00",

"balanceIndex": "98319",

"ssrLevel": "0",

"digitCoinEN": "0",

"dubleCheck": "0"

}

}

1. **失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息"

}

## 获取设备信息

**说明：**获取设备信息

**接口地址：**"/XCCloud/DeviceInfo?action=getDeviceInfo"

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | type | 设备类型 |  |
| 2 | workStation | 工作站 |  |
| 3 | userToken | 用户token |  |

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

"mcuId": "20170922600004"

}

}

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息"

}

## 获取设备工作信息

**说明：**获取设备工作信息

**接口地址：**"/XCCloud/DeviceInfo?action=getDeviceWorkInfo"

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | type | 设备类型 |  |
| 2 | workStation | 工作站 |  |
| 3 | userToken | 用户token |  |

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": [{

"mcuId": "100016420111001",

"statusName": "正常待机"

}, {

"mcuId": "100016360103001",

"statusName": "正常待机"

}],

"result\_type": 0

}

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息"

}

# 授权

## 授权页面

**说明：**接受授权Id参数，加载授权信息，用户可以同意授权或者不同意授权，并以TCP方式通知到吧台。

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | 授权Id | authId | guid |

## 授权项添加接口

**说明：**默认授权人为经理，可后台配置授权人

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 参数名称 | 说明 | 备注 |
| 1 | userToken | 用户令牌 |  |
| 2 | authId | 授权Id | guid |
| 3 | 授权类别 | authType |  |
| 4 | 授权内容 |  |  |

**返回值：**

1. **成功返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "1",

"result\_msg": "",

"result\_data": {

"authId":"c7201dfa239e45058f99f96e18c01e21"

}

}

1. **失败返回：**

{

"return\_code": "1",

"return\_msg": "",

"result\_code": "0",

"result\_msg": "错误信息",

}

## 授权二维码

**说明：**生成授权页面地址（带授权Id参数）二维码