

Transaction API

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Bank Acquiring

Transaction Flow

- The requested transaction will firstly invoke [MIS-POS](#) for Card swape and password input. Once [MIS-POS](#) confirmed on both inputs, it will send back to [e-Buy backend](#) server to process.

action

- `cardPayment`

Request body `Cashier POS` ==> [e-Buy Backend](#)

Field	Type	Mandatory	Description	Memo
traceNo	String	Yes	Cashier terminal trace no.	No repeat
totalAmount	Price	Yes	Total transaction amount	Unit : Dollar
undiscountAmount	Price	Yes	undiscountable Amount	Unit : Dollar
acquirer	String	Yes	Acquirer Bank	Example <code>citicCashpay</code>
goodsDetail	List< goodsDetail >	Yes	Goods detail	Mandated on goods detail verification
memberDetail	Object< memberDetail >	No	Member information	Mandated on member payment

Request body example

```
{
  "traceNo": "99000009100010101732123",
  "totalAmount": 40.8,
  "undiscountAmount": 0,
  "acquirer": "citicCashpay",
  "goodsDetail": [
    {
      "goodsCategory": "001",
```

```

    "goodsId": "P00001",
    "goodsName": "□□",
    "price": 8,
    "quantity": 2,
    "rebateCode": "000"
  },
  {
    "goodsCategory": "101",
    "goodsId": "P00002",
    "goodsName": "□□□",
    "price": 24.8,
    "quantity": 1,
    "rebateCode": "000"
  }
],
"memberDetail": {
  "memberId": "M000001545",
  "memberName": "TONY",
  "grade": "1",
  "status": "1",
  "balance": 1000.00,
  "pointBalance": 30000
}
}

```

Response body~~e-Buy Backend~~==>Cashier POS

Field	Type	Mandatory	Description	Memo
traceNo	String	Yes	Cashier terminal trace no.	No repeat
orderNo	String	Yes	Order No. from e-Buy	□□□□
transDate	String	Yes	Transaction time	Format□yyyyMMddHHmmss
returnCode	String	Yes	Return code	00 represent successful transaction, else represent fail
returnDesc	String	Yes	Return message	Detail explanation / error message per transaction result

Field	Type	Mandatory	Description	Memo
paidAmount	Price	Yes	Total amount paid	Face Value. Unit : Dollar
receiptAmount	Price	No	Merchant actual received amount	Net Value. Unit : Dollar
invoiceAmount	Price	No	Merchant invoice amount	Unit : Dollar
exchangeRate	Number(8,6)	No	Exchange Rate	The rate of conversion the currency given in the request to CNY.
currency	String	No	Currency	For example: CNY
discountCode	String	No	Discount Code	assigned by Cashier POS,XXXXXXXXXX20161200XXXX20
discountNum	Number	No	numbers of discountCode	XXXXXXXXXX
tenderCode	String	No	Tender Code	assigned by Cashier POS,XXXXXXXXXX20161200XXXX20
activityProductNo	String	No	Activity Product no.	
activityProductName	String	No	Activity Product name	
needSameCard	Boolean	No	Required same card payment	Such as discount upon amount reached, same credit card must be used for the payment
goodsDetail	List< goodsDetail >	No	Paid product detail	Backend response paid product detail
fundChannel	List< fundChannel >	No	Channel of fund	
printDetail	Object< printDetail >	No	Printing message	Provided if required to print on the receipt
memberDetail	Object< memberDetail >	No	Member information	Member info return message on this transaction

Response body example

```
{
  "traceNo": "990000009100010101732123",
  "orderNo": "171698602301",
```

```
"transDate": "20161231120533",
"returnCode": "00",
"returnDesc": "SUCCESS",
"paidAmount": 40.8,
"receiptAmount": 40.8,
"invoiceAmount": 40.8,
"exchangeRate": 6.0939,
"currency": "CNY",
"discountCode": "0001",
"discountNum": 20,
"tenderCode": "8001",
"activityProductNo": "2016123101",
"activityProductName": "天天365",
"needSameCard": true,
"goodsDetail": [
  {
    "goodsCategory": "001",
    "goodsId": "P00001",
    "goodsName": "天天",
    "price": 8,
    "quantity": 2,
    "rebateCode": "000",
    "activityNo": "2016123101",
    "memo": "100123456789"
  },
  {
    "goodsCategory": "101",
    "goodsId": "P00002",
    "goodsName": "天天",
    "price": 24.8,
    "quantity": 1,
    "rebateCode": "000",
    "activityNo": "2016123101",
    "memo": "100123456789"
  }
],
"fundChannel": [
  {
    "channelNo": "001",
    "channelName": "天天",
```

```
        "channelAmount": "20.8"
    },
    {
        "channelNo": "002",
        "channelName": "□□□□",
        "channelAmount": "20"
    }
],
"printDetail": {
    "cardNo64": "622562****8888",
    "bank": "□□□",
    "paymentOrderNo": "201612315689412157458787",
    "pointSale": "20000",
    "qrCode1": "htt://www.xxx.com/url",
    "qrCode2": "",
    "qrCode3": "",
    "barCode1": "12345679",
    "barCode2": "",
    "barCode3": ""
},
"memberDetail": {
    "memberId": "M000001545",
    "memberName": "TONY",
    "grade": "1",
    "status": "1",
    "balance": 1000.00,
    "pointBalance": 30000
}
}
```

Card Redemption

Usage

- Bank loyalty point redemption
- Bank Loyalty point redemption + Cash payment
- Bank privilege verification
- Bank privilege verification + Cash Payment
- Prepay Card payment
- Member Card payment

Transaction Flow

- The requested transaction will firstly invoke [MIS-POS](#) for Card swape and password input. Once [MIS-POS](#) confirmed on both inputs, it will send back to [e-Buy backend](#) server to process.

action

- `cardRedemption`

Request body `Cashier POS===>` [e-Buy Backend](#)

Field	Type	Mandatory	Description	Memo
traceNo	String	Yes	Cashier terminal trace no.	No repeat[<code>yyyyMMddHHmmss+10</code>]
totalAmount	Price	Yes	Total transaction amount	Unit : Dollar
undiscountAmount	Price	Yes	undiscountable Amount	Unit : Dollar
goodsDetail	List< goodsDetail >	Yes	Goods detail	Mandated on goods detail verification
memberDetail	Object< memberDetail >	No	Member information	Mandated on member payment

Request body example

```

{
  "traceNo": "99000009100010101732123",
  "totalAmount": 40.8,
  "undiscountAmount": 0,
  "goodsDetail": [
    {
      "goodsCategory": "001",
      "goodsId": "P00001",
      "goodsName": "□□",
      "price": 8,
      "quantity": 2,
      "rebateCode": "000"
    },
    {
      "goodsCategory": "101",
      "goodsId": "P00002",
      "goodsName": "□□□",
      "price": 24.8,
      "quantity": 1,
      "rebateCode": "000"
    }
  ],
  "memberDetail": {
    "memberId": "M000001545",
    "memberName": "TONY",
    "grade": "1",
    "status": "1",
    "balance": 1000.00,
    "pointBalance": 30000
  }
}

```

Response body **e-Buy Backend**==>Cashier POS

Field	Type	Mandatory	Description	Memo
traceNo	String	Yes	Cashier terminal trace no.	No repeat
orderNo	String	Yes	Order No. from e-Buy	□□□□
transDate	String	Yes	Transaction time	Format□yyyyMMddHHmmss

Field	Type	Mandatory	Description	Memo
returnCode	String	Yes	Return code	00 represent successful transaction, else represent fail
returnDesc	String	Yes	Return message	Detail explanation / error message per transaction result
paidAmount	Price	Yes	Total amount paid	Face Value. Unit : Dollar
receiptAmount	Price	No	Merchant actual received amount	Net Value. Unit : Dollar
invoiceAmount	Price	No	Merchant invoice amount	Unit : Dollar
exchangeRate	Number(8,6)	No	Exchange Rate	The rate of conversion the currency given in the request to CNY.
currency	String	No	Currency	For example: CNY
discountCode	String	No	Discount Code	assigned by Cashier POS
discountNum	Number	No	numbers of discountCode	□□□□□□□□
tenderCode	String	No	Tender Code	assigned by Cashier POS,□□□□□□□□20161200□□□20□
activityProductNo	String	No	Activity Product no.	
activityProductName	String	No	Activity Product name	
needSameCard	Boolean	No	Required same card payment	Such as discount upon amount reached, same credit card must be used for the payment
goodsDetail	List< goodsDetail >	No	Paid product detail	Backend response paid product detail
fundChannel	List< fundChannel >	No	Channel of fund	
printDetail	Object< printDetail >	No	Printing message	Provided if required to print on the receipt
memberDetail	Object< memberDetail >	No	Member information	Member info return message on this transaction

Response body example

```
{
  "traceNo": "99000009100010101732123",
  "orderNo": "171698602301",
  "transDate": "20161231120533",
  "returnCode": "00",
  "returnDesc": "SUCCESS",
  "paidAmount": 40.8,
  "receiptAmount": 40.8,
  "invoiceAmount": 40.8,
  "exchangeRate": 6.0939,
  "currency": "CNY",
  "discountCode": "0001",
  "discountNum": 20,
  "tenderCode": "8001",
  "activityProductNo": "2016123101",
  "activityProductName": "天天365",
  "needSameCard": true,
  "goodsDetail": [
    {
      "goodsCategory": "001",
      "goodsId": "P00001",
      "goodsName": "天天",
      "price": 8,
      "quantity": 2,
      "rebateCode": "000",
      "activityNo": "2016123101",
      "memo": "100123456789"
    },
    {
      "goodsCategory": "101",
      "goodsId": "P00002",
      "goodsName": "天天",
      "price": 24.8,
      "quantity": 1,
      "rebateCode": "000",
      "activityNo": "2016123101",
      "memo": "100123456789"
    }
  ]
}
```

```
],
"fundChannel": [
  {
    "channelNo": "001",
    "channelName": "□□□□",
    "channelAmount": "20.8"
  },
  {
    "channelNo": "002",
    "channelName": "□□□□",
    "channelAmount": "20"
  }
],
"printDetail": {
  "cardNo64": "622562****8888",
  "bank": "□□□",
  "paymentOrderNo": "201612315689412157458787",
  "pointSale": "20000",
  "qrCode1": "http://www.xxx.com/url",
  "qrCode2": "",
  "qrCode3": "",
  "barCode1": "12345679",
  "barCode2": "",
  "barCode3": ""
},
"memberDetail": {
  "memberId": "M000001545",
  "memberName": "TONY",
  "grade": "1",
  "status": "1",
  "balance": 1000.00,
  "pointBalance": 30000
}
}
```

Qrcode Sale

Usage

- Alipay
- Wechat Payment
- QR-Code Payment from Bank
- QR-Code point redeem from Bank
- QR-Code Payment from China UnionPay
- Baidu Payment
- Bestpay
- Other QR-Code Payment
- Product coupon/cash coupon/discount coupon/Buy M Get N Free coupon /Deduct coupon
- Take out or Self booking order

Transaction Flow

- The transaction process will collect QR code message thru scanning or direct input through keypad, and it will send to [e-Buy backend](#) server after collection to further process.

action

- `qrcodeSale`

Request body `Cashier POS` ==> [e-Buy Backend](#)

Field	Type	Mandatory	Description	Memo
traceNo	String	Yes	Cashier terminal trace no.	No repeat
totalAmount	Price	Yes	Total transaction amount	Unit : Dollar
undiscountAmount	Price	Yes	Undiscountable Amount	Unit : Dollar
qrcode	String	Yes	QR-Code	□□□□□□□□
goodsDetail	List< goodsDetail >	Yes	Goods detail	Mandated on goods detail verification

Field	Type	Mandatory	Description	Memo
memberDetail	Object< memberDetail>	No	Member information	Mandated for member payment

Request body example

```
{
  "traceNo": "990000009100010101732123",
  "totalAmount": 40.8,
  "undiscountAmount": 0,
  "qrcode": "280123121234567890",
  "goodsDetail": [
    {
      "goodsCategory": "001",
      "goodsId": "P00001",
      "goodsName": "□□",
      "price": 8,
      "quantity": 2,
      "rebateCode": "000"
    },
    {
      "goodsCategory": "101",
      "goodsId": "P00002",
      "goodsName": "□□□",
      "price": 24.8,
      "quantity": 1,
      "rebateCode": "000"
    }
  ],
  "memberDetail": {
    "memberId": "M000001545",
    "memberName": "TONY",
    "grade": "1",
    "status": "1",
    "balance": 1000.00,
    "pointBalance": 30000
  }
}
```

Response body e-Buy Backend====>Cashier POS

Field	Type	Mandatory	Description	Memo
traceNo	String	Yes	Cashier terminal trace no.	No repeat
orderNo	String	Yes	Order No. from e-Buy	made by Ebuy
transDate	String	Yes	Transaction time	Format□yyyyMMddHHmmss
returnCode	String	Yes	Return code	00 represent successful transaction, else represent fail
returnDesc	String	Yes	Return message	Detail explanation / error message per transaction result
paidAmount	Price	Yes	Total amount paid	Face Value. Unit : Dollar
receiptAmount	Price	No	Merchant actual received amount	Net Value. Unit : Dollar
invoiceAmount	Price	No	Merchant invoice amount	Unit : Dollar
exchangeRate	Number(8,6)	No	Exchange Rate	The rate of conversion the currency given in the request to CNY.
currency	String	No	Currency	For example: CNY
discountCode	String	No	Discount Code	assigned by Cashier POS
discountNum	Number	No	numbers of discountCode	□□□□□□□□
tenderCode	String	No	Tender Code	assigned by Cashier POS,record payment method□like□2016120101 20.00 is payment 20yuan
activityProductNo	String	No	Activity Product no.	
activityProductName	String	No	Activity Product name	
goodsDetail	List<goodsDetail>	No	Paid product detail	Backend response paid product detail
fundChannel	List<fundChannel>	No	Channel of fund	

Field	Type	Mandatory	Description	Memo
printDetail	Object< printDetail >	No	Printing message	Provided if required to print on the receipt
memberDetail	Object< memberDetail >	No	Member information	Member info return message on this transaction

Response body example

```
{
  "traceNo": "99000009100010101732123",
  "orderNo": "171698602301",
  "transDate": "20161231120533",
  "returnCode": "00",
  "returnDesc": "SUCCESS",
  "paidAmount": 40.8,
  "receiptAmount": 40.8,
  "invoiceAmount": 40.8,
  "exchangeRate": 6.0939,
  "currency": "CNY",
  "discountCode": "0001",
  "discountNum": 20,
  "tenderCode": "8001",
  "activityProductNo": "2016123102",
  "activityProductName": "□□□□",
  "goodsDetail": [
    {
      "goodsCategory": "001",
      "goodsId": "P00001",
      "goodsName": "□□",
      "price": 8,
      "quantity": 2,
      "rebateCode": "000",
      "activityNo": "2016123101",
      "memo": "100123456789"
    },
    {
      "goodsCategory": "101",
      "goodsId": "P00002",
      "goodsName": "□□□",

```

```
    "price": 24.8,
    "quantity": 1,
    "rebateCode": "000",
    "activityNo": "2016123101",
    "memo": "100123456789"
  }
],
"fundChannel": [
  {
    "channelNo": "001",
    "channelName": "□□□□",
    "channelAmount": "20.8"
  },
  {
    "channelNo": "002",
    "channelName": "□□□□",
    "channelAmount": "20"
  }
],
"printDetail": {
  "cardNo64": "622562****8888",
  "bank": "□□□",
  "paymentOrderNo": "201612315689412157458787",
  "paymentUser": "139****@163.com",
  "pointSale": "20000",
  "qrCode1": "http://www.xxx.com/url",
  "qrCode2": "",
  "qrCode3": "",
  "barCode1": "12345679",
  "barCode2": "",
  "barCode3": ""
},
"memberDetail": {
  "memberId": "M000001545",
  "memberName": "TONY",
  "grade": "1",
  "status": "1",
  "balance": 1000.00,
  "pointBalance": 30000
}
```


Trans Inquiry

Usage

- Invoke this API to inquiry last transaction result when it is timed out.

action

- `inquiry`

Request body `<Cashier POS>=><e-Buy Backend>`

Field	Type	Mandatory	Description	Memo
traceNo	String	Yes	Cashier trace no.	No repeat
originalTraceNo	String	Yes	Original Cashier trace no.	□□□□□□□□□□

Request body example

```
{
  "traceNo": "990000009100010101732123",
  "originalTraceNo": "990000009100010101732124"
}
```

Response body `<e-Buy Backend>=><Cashier POS>`

Field	Type	Mandatory	Description	Memo
traceNo	String	Yes	Cashier terminal trace no.	No repeat
orderNo	String	Yes	Order No. from e-Buy	Unit□Dollar
transDate	String	Yes	Transaction time	Format□yyyyMMddHHmmss
returnCode	String	Yes	Return code	00 represent successful transaction, else represent fail

Field	Type	Mandatory	Description	Memo
returnDesc	String	Yes	Return message	Detail explanation / error message per transaction result
paidAmount	Price	Yes	Total amount paid	Face Value. Unit : Dollar
receiptAmount	Price	No	Merchant actual received amount	Net Value. Unit : Dollar
invoiceAmount	Price	No	Merchant invoice amount	Unit : Dollar
exchangeRate	Number(8,6)	No	Exchange Rate	The rate of conversion the currency given in the request to CNY.
currency	String	No	Currency	For example: CNY
discountCode	String	No	Discount Code	assigned by Cashier POS[]201610[]10[]
discountNum	Number	No	numbers of discountCode	[]
tenderCode	String	No	Tender Code	assigned by Cashier POS[]201610[]20[]
activityProductNo	String	No	Activity Product no.	
activityProductName	String	No	Activity Product name	
needSameCard	Boolean	No	Required same card payment	Such as discount upon amount reached, same credit card must be used for the payment
goodsDetail	List< goodsDetail >	No	Paid product detail	Backend response paid product detail
fundChannel	List< fundChannel >	No	Channel of fund	
printDetail	Object< printDetail >	No	Printing message	Provided if required to print on the receipt

Field	Type	Mandatory	Description	Memo
memberDetail	Object< memberDetail >	No	Member information	Member info return message on this transaction

Response body example

```
{
  "traceNo": "990000009100010101732123",
  "orderNo": "171698602301",
  "transDate": "20161231120533",
  "returnCode": "00",
  "returnDesc": "SUCCESS",
  "paidAmount": 40.8,
  "receiptAmount": 40.8,
  "invoiceAmount": 40.8,
  "exchangeRate": 6.0939,
  "currency": "CNY",
  "discountCode": "0001",
  "discountNum": 20,
  "tenderCode": "8001",
  "activityProductNo": "2016123102",
  "activityProductName": "□□□□",
  "needSameCard": true,
  "goodsDetail": [
    {
      "goodsCategory": "001",
      "goodsId": "P00001",
      "goodsName": "□□",
      "price": 8,
      "quantity": 2,
      "rebateCode": "000",
      "activityNo": "2016123101",
      "memo": "100123456789"
    },
    {
      "goodsCategory": "101",
      "goodsId": "P00002",
      "goodsName": "□□□",

```

```
    "price": 24.8,
    "quantity": 1,
    "rebateCode": "000",
    "activityNo": "2016123101",
    "memo": "100123456789"
  }
],
"fundChannel": [
  {
    "channelNo": "001",
    "channelName": "□□□□",
    "channelAmount": "20.8"
  },
  {
    "channelNo": "002",
    "channelName": "□□□□",
    "channelAmount": "20"
  }
],
"printDetail": {
  "cardNo64": "622562****8888",
  "bank": "□□□",
  "paymentOrderNo": "201612315689412157458787",
  "pointSale": "20000",
  "qrCode1": "http://www.api-location-url.com/url",
  "qrCode2": "",
  "qrCode3": "",
  "barCode1": "12345679",
  "barCode2": "",
  "barCode3": ""
},
"memberDetail": {
  "memberId": "M000001545",
  "memberName": "TONY",
  "grade": "1",
  "status": "1",
  "balance": 1000.00,
  "pointBalance": 30000
}
}
```

Transaction support inquiry

- cardSale
- qrcodeSale

Trans Void(card)

Usage

- Invoke this API to reverse a transaction that dedicated by originalTraceNo.

Transaction Flow

- The requested transaction will send to [e-Buy backend](#) server, it will firstly invoke [MIS-POS](#) for Card swape and password input. Once [MIS-POS](#) confirmed on both inputs, it will send back to [e-Buy backend](#) server to process.

action

- `voidCardSale`

Request body \rightarrow Cashier POS \Rightarrow [e-Buy Backend](#)

Field	Type	Mandatory	Description	Memo
traceNo	String	Yes	Cashier terminal trace no.	No repeat
originalTraceNo	String	Yes	last Cashier terminal trace no.	Cashier terminal trace no. in last transaction
acquirer	String	No	Acquirer Bank	Example \rightarrow citicCashpay \rightarrow

Request body example

```
{
  "traceNo": "99000009100010101732123",
  "originalTraceNo": "99000009100010101732124",
  "acquirer": "citicCashpay"
}
```

Response body [e-Buy Backend](#) \Rightarrow Cashier POS

Field	Type	Mandatory	Description	Memo
-------	------	-----------	-------------	------

traceNo	String	Yes	Cashier terminal trace no.	No repeat
orderNo	String	Yes	Order No. from e-Buy	
transDate	String	Yes	Transaction time	Format[]yyyyMMddHHmmss
returnCode	String	Yes	Return code	00 represent successful transaction, else represent fail
returnDesc	String	Yes	Return message	Detail explanation / error message per transaction result
discountCode	String	No	Discount Code	assigned by Cashier POS
tenderCode	String	No	Tender Code	assigned by Cashier POS,record payment method[]like[]2016120101 20.00 is payment 20yuan
fundChannel	List< fundChannel >	No	Channel of fund	
printDetail	Object< printDetail >	No	Printing message	Provided if required to print on the receipt
memberDetail	Object< memberDetail >	No	Member information	Member info return message on this transaction

Response body example

```
{
  "traceNo": "99000009100010101732123",
  "orderNo": "171698602301",
  "transDate": "20161231120533",
  "returnCode": "00",
  "returnDesc": "SUCCESS",
  "discountCode": "0001",
  "tenderCode": "8001",
  "fundChannel": [
    {
      "channelNo": "001",
      "channelName": "[]",
      "channelAmount": "20.8"
    }
  ],
}
```



```

{
  "channelNo": "002",
  "channelName": "□□□□",
  "channelAmount": "20"
}
],
"printDetail": {
  "cardNo64": "622562****8888",
  "bank": "□□□",
  "paymentOrderNo": "201612315689412157458787",
  "pointSale": "20000",
  "qrCode1": "http://www.api-location-url.com/url",
  "qrCode2": "",
  "qrCode3": "",
  "barCode1": "12345679",
  "barCode2": "",
  "barCode3": ""
},
"memberDetail": {
  "memberId": "M000001545",
  "memberName": "TONY",
  "grade": "1",
  "status": "1",
  "balance": 1000.00,
  "pointBalance": 30000
}
}

```

Transaction support void

- cardPayment
- cardRedemption

Trans Void(qrcode)

Usage

- Invoke this API to reverse a transaction that dedicated by originalTraceNo.

action

- `voidQrcodeSale`

Request body **Cashier POS**====>**e-Buy Backend**

Field	Type	Mandatory	Description	Memo
traceNo	String	Yes	Cashier terminal trace no.	No repeat
originalTraceNo	String	Yes	last Cashier terminal trace no.	Cashier terminal trace no. in last transaction

Request body example

```
{
  "traceNo": "99000009100010101732123",
  "originalTraceNo": "99000009100010101732124"
}
```

Response body **e-Buy Backend**====>**Cashier POS**

Field	Type	Mandatory	Description	Memo
traceNo	String	Yes	Cashier terminal trace no.	No repeat
orderNo	String	Yes	Order No. from e-Buy	
transDate	String	Yes	Transaction time	Format[]yyyyMMddHHmmss
returnCode	String	Yes	Return code	00 represent successful transaction, else represent fail

Field	Type	Mandatory	Description	Memo
returnDesc	String	Yes	Return message	Detail explanation / error message per transaction result
discountCode	String	No	Discount Code	assigned by Cashier POS
tenderCode	String	No	Tender Code	assigned by Cashier POS,record payment method like 2016120101 20.00 is payment 20yuan
fundChannel	List<fundChannel>	No	Channel of fund	
printDetail	Object<printDetail>	No	Printing message	Provided if required to print on the receipt
memberDetail	Object<memberDetail>	No	Member information	Member info return message on this transaction

Response body example

```
{
  "traceNo": "99000009100010101732123",
  "orderNo": "171698602301",
  "transDate": "20161231120533",
  "returnCode": "00",
  "returnDesc": "SUCCESS",
  "discountCode": "0001",
  "tenderCode": "8001",
  "fundChannel": [
    {
      "channelNo": "001",
      "channelName": "支付宝",
      "channelAmount": "20.8"
    },
    {
      "channelNo": "002",
      "channelName": "微信支付",
      "channelAmount": "20"
    }
  ],
  "printDetail": {
```

```
"cardNo64": "622562****8888",
"bank": "□□□□",
"paymentOrderNo": "201612315689412157458787",
"pointSale": "20000",
"qrCode1": "http://www.api-location-url.com/url",
"qrCode2": "",
"qrCode3": "",
"barCode1": "12345679",
"barCode2": "",
"barCode3": ""
},
"memberDetail": {
  "memberId": "M000001545",
  "memberName": "TONY",
  "grade": "1",
  "status": "1",
  "balance": 1000.00,
  "pointBalance": 30000
}
}
```

Transaction support void

- qrCodeSale

Trans Refund(card)

Usage

- Invoke this API to refund a transaction that dedicated by originalTraceNo.

Transaction Flow

- The requested transaction will firstly invoke [MIS-POS](#) for Card swape and password input. Once [MIS-POS](#) confirmed on both inputs, it will send back to [e-Buy backend](#) server to process.

action

- `refundCardSale`

Request body `Cashier POS` ==> [e-Buy Backend](#)

Field	Type	Mandatory	Description	Memo
traceNo	String	Yes	Cashier terminal trace no.	No repeat
originalTraceNo	String	Yes	last Cashier terminal trace no.	Cashier terminal trace no. in last transaction
refundAmount	Price	Yes	Refund Amount	Unit <code>Dollar</code>
acquirer	String	No	Acquirer Bank	Example <code>citicCashpay</code>

Request body example

```
{
  "traceNo": "99000009100010101732123",
  "originalTraceNo": "99000009100010101732124",
  "refundAmount": 40.8,
  "acquirer": "citicCashpay"
}
```

Response body [e-Buy Backend](#) ==> `Cashier POS`

Field	Type	Mandatory	Description	Memo
traceNo	String	Yes	Cashier terminal trace no.	No repeat
orderNo	String	Yes	Order No. from e-Buy	
transDate	String	Yes	Transaction time	Format□yyyyMMddHHmmss
returnCode	String	Yes	Return code	00 represent successful transaction, else represent fail
returnDesc	String	Yes	Return message	Detail explanation / error message per transaction result
refundAmount	Price	Yes	Refunded Amount	Unit□Dollar
discountCode	String	No	Discount Code	assigned by Cashier POS
tenderCode	String	No	Tender Code	assigned by Cashier POS,record payment method□like□2016120101 20.00 is payment 20yuan
fundChannel	List< fundChannel >	No	Channel of fund	
printDetail	Object< printDetail >	No	Printing message	Provided if required to print on the receipt
memberDetail	Object< memberDetail >	No	Member information	Member info return message on this transaction

Response body example

```
{
  "traceNo": "990000009100010101732123",
  "orderNo": "171698602301",
  "transDate": "20161231120533",
  "returnCode": "00",
  "returnDesc": "SUCCESS",
  "discountCode": "0001",
  "tenderCode": "8001",
```

```

"refundAmount": 40.8,
"fundChannel": [
  {
    "channelNo": "001",
    "channelName": "□□□□",
    "channelAmount": "20.8"
  },
  {
    "channelNo": "002",
    "channelName": "□□□□",
    "channelAmount": "20"
  }
],
"printDetail": {
  "cardNo64": "622562****8888",
  "bank": "□□□",
  "paymentOrderNo": "201612315689412157458787",
  "pointSale": "20000",
  "qrCode1": "http://www.api-location-url.com/url",
  "qrCode2": "",
  "qrCode3": "",
  "barCode1": "12345679",
  "barCode2": "",
  "barCode3": ""
},
"memberDetail": {
  "memberId": "M000001545",
  "memberName": "TONY",
  "grade": "1",
  "status": "1",
  "balance": 1000.00,
  "pointBalance": 30000
}
}

```

Transaction support refund

- cardPayment
- CardRedemption

Trans Refund(qrcode)

Usage

- Invoke this API to refund a transaction that dedicated by originalTraceNo.

action

- refundQrcodeSale

Request body⇄Cashier POS===>e-Buy Backend

Field	Type	Mandatory	Description	Memo
traceNo	String	Yes	Cashier terminal trace no.	No repeat
originalTraceNo	String	Yes	last Cashier terminal trace no.	Cashier terminal trace no. in last transaction
refundAmount	Price	Yes	Refund Amount	Unit⇄Dollar

Request body example

```
{
  "traceNo": "990000009100010101732123",
  "originalTraceNo": "990000009100010101732124",
  "refundAmount": 40.8
}
```

Response body⇄e-Buy Backend===>Cashier POS

Field	Type	Mandatory	Description	Memo
traceNo	String	Yes	Cashier terminal trace no.	No repeat
orderNo	String	Yes	Order No. from e-Buy	

Field	Type	Mandatory	Description	Memo
transDate	String	Yes	Transaction time	Format□yyyyMMddHHmmss
returnCode	String	Yes	Return code	00 represent successful transaction, else represent fail
returnDesc	String	Yes	Return message	Detail explanation / error message per transaction result
refundAmount	Price	Yes	Refunded Amount	Unit□Dollar
discountCode	String	No	Discount Code	assigned by Cashier POS
tenderCode	String	No	Tender Code	assigned by Cashier POS,record payment method□like□2016120101 20.00 is payment 20yuan
fundChannel	List<fundChannel>	No	Channel of fund	
printDetail	Object<printDetail>	No	Printing message	Provided if required to print on the receipt
memberDetail	Object<memberDetail>	No	Member information	Member info return message on this transaction

Response body example

```
{
  "traceNo": "99000009100010101732123",
  "orderNo": "171698602301",
  "transDate": "20161231120533",
  "returnCode": "00",
  "returnDesc": "SUCCESS",
  "refundAmount": 40.8,
  "discountCode": "0001",
  "tenderCode": "8001",
  "fundChannel": [
    {
      "channelNo": "001",
```

```
    "channelName": "□□□□",
    "channelAmount": "20.8"
  },
  {
    "channelNo": "002",
    "channelName": "□□□□",
    "channelAmount": "20"
  }
],
"printDetail": {
  "cardNo64": "622562****8888",
  "bank": "□□□",
  "paymentOrderNo": "201612315689412157458787",
  "pointSale": "20000",
  "qrCode1": "http://www.api-location-url.com/url",
  "qrCode2": "",
  "qrCode3": "",
  "barCode1": "12345679",
  "barCode2": "",
  "barCode3": ""
},
"memberDetail": {
  "memberId": "M000001545",
  "memberName": "TONY",
  "grade": "1",
  "status": "1",
  "balance": 1000.00,
  "pointBalance": 30000
}
}
```

Transaction support refund

- qrcodeSale

Ecoupon Inquiry

Usage

- Inquiry product detail \ balance \ activity of this coupon, support e-Buy Ecoupon and thirdparty ecoupon.

Transaction Flow

- The transaction process will collect QR code message thru scanning or direct input through keypad, and it will send to [e-Buy backend](#) server after collection to further process.

action

- `ecouponInquiry`

Request body \square Cashier POS \Longrightarrow [e-Buy Backend](#)

Field	Type	Mandatory	Description	Memo
traceNo	String	Yes	Cashier terminal trace no.	No repeat
qrcode	String	Yes	ecoupon code	ecoupon code for inquiry

Request body example

```
{
  "traceNo": "990000009100010101732123",
  "qrcode": "HDCP000000000001235"
}
```

Response body [e-Buy Backend](#) \Longrightarrow Cashier POS

Field	Type	Mandatory	Description	Memo
traceNo	String	Yes	Cashier terminal trace no.	No repeat
orderNo	String	Yes	Order No. from e-Buy	Unit : dollar

Field	Type	Mandatory	Description	Memo
transDate	String	Yes	Transaction time	Format□yyyyMMddHHmmss
returnCode	String	Yes	Return code	00 represent successful transaction, else represent fail
returnDesc	String	Yes	Return message	Detail explanation / error message per transaction result
canPayAmount	Price	Yes	Balance of this coupon	Unit : dollar
activityProductNo	String	No	Activity Product no.	The activity Product no. this coupon belongs to
activityProductName	String	No	Activity Product name	The activity Product name this coupon belongs to

Response body example

```
{
  "traceNo": "99000009100010101732123",
  "orderNo": "171698602301",
  "transDate": "20161231120533",
  "returnCode": "00",
  "returnDesc": "SUCCESS",
  "canPayAmount": 40.8,
  "activityProductNo": "2016123101",
  "activityProductName": "□□365□□"
}
```

Point Accumulating

Usage

- Points accumulating

action

- accumulating

Request body ☐ Cashier POS ☒ e-Buy Backend

Field	Type	Mandatory	Description	Memo
traceNo	String	Yes	Cashier terminal trace no.	No repeat
totalAmount	Price	Yes	Total transaction amount	Unit : Dollar
undiscountAmount	Price	No	Undiscountable Amount	Unit : Dollar
activityNo	String	No	Activity NO	□□□□□□□□□□
points	Integer	No	Points	□□□□□□□□□□
goodsDetail	List< goodsDetail >	No	Goods detail	Mandated on goods detail verification
memberDetail	Object< memberDetail >	No	Member information	Mandated for member payment

Request body example

```
{
  "traceNo": "99000009100010101732123",
  "totalAmount": 40.8,
  "undiscountAmount": 0,
  "activityNo": "2016121901",
  "points": 100,
  "goodsDetail": [
    {
      "goodsCategory": "001",
      "goodsId": "P00001",
```

```

    "goodsName": "商品",
    "price": 8,
    "quantity": 2,
    "rebateCode": "000"
  },
  {
    "goodsCategory": "101",
    "goodsId": "P00002",
    "goodsName": "商品",
    "price": 24.8,
    "quantity": 1,
    "rebateCode": "000"
  }
],
"memberDetail": {
  "memberId": "M000001545",
  "memberName": "TONY",
  "grade": "1",
  "status": "1",
  "balance": 1000.00,
  "pointBalance": 30000
}
}

```

Response body **e-Buy Backend**====>Cashier POS

Field	Type	Mandatory	Description	Memo
traceNo	String	Yes	Cashier terminal trace no.	No repeat
orderNo	String	Yes	Order No. from e-Buy	商品
transDate	String	Yes	Transaction time	Format yyyyMMddHHmmss
returnCode	String	Yes	Return code	00 represent successful transaction, else represent fail
returnDesc	String	Yes	Return message	Detail explanation / error message per transaction result
activityProductNo	String	No	Activity Product no.	

Field	Type	Mandatory	Description	Memo
activityProductName	String	No	Activity Product name	
printDetail	Object< printDetail >	No	Printing message	Provided if required to print on the receipt
memberDetail	Object< memberDetail >	No	Member information	Member info return message on this transaction

Response body example

```
{
  "traceNo": "99000009100010101732123",
  "orderNo": "171698602301",
  "transDate": "20161231120533",
  "returnCode": "00",
  "returnDesc": "SUCCESS",
  "activityProductNo": "2016123102",
  "activityProductName": "□□□□",
  "printDetail": {
    "cardNo64": "622562****8888",
    "bank": "□□□",
    "paymentOrderNo": "201612315689412157458787",
    "pointSale": "20000",
    "qrCode1": "http://www.xxx.com/url",
    "qrCode2": "",
    "qrCode3": "",
    "barCode1": "12345679",
    "barCode2": "",
    "barCode3": ""
  },
  "memberDetail": {
    "memberId": "M000001545",
    "memberName": "TONY",
    "grade": "1",
    "status": "1",
    "balance": 1000.00,
    "pointBalance": 30000
  }
}
```