

POS Terminal MIS Cash Register Interface

(Landi A8)

1. Application Introduction

1.1 Application Description

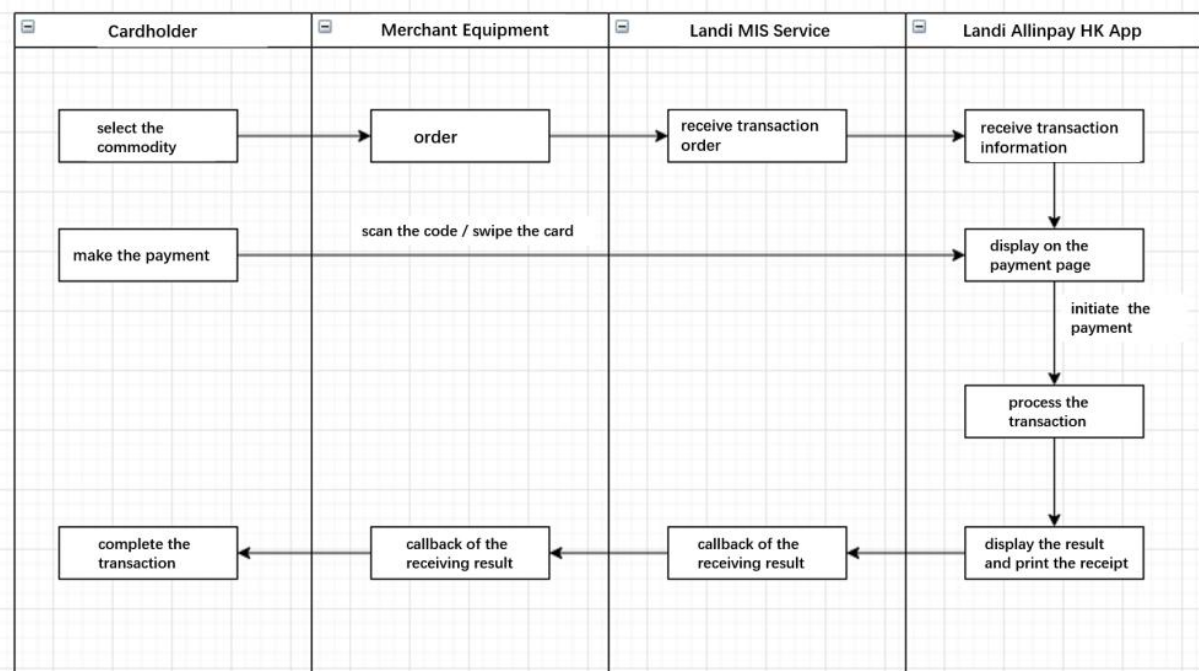
Allinpay HK/Allinpay SG application description: Responsible for payment transaction processing, independent collection functions

AIP HK MIS/AIP SG MIS application description: Provide HTTP server, enabling merchants to use Landi terminal to collect payment through other terminals (such as PC, POS, PAD, etc.)

The application is not a stand-alone application, you need to install the Allinpay HK/Allinpay SG application to collect money.

Please search HK/SG in the app store and download the corresponding app

1.2 Call Flow



2. API Interface Call

Recall scenario: Provide for remote device (PC/PAD), call through remote HTTP interface

HTTP/HTTPS Request method: Request needs to be URL encoded.

- **Character set:** UTF-8 Coding
- **Call method:** `http://YOUR_POS_IP:9801/trans`

YOUR_POS_IP is the local IP address of the Allinpay smart terminal.

- **Call example**

General

Request URL: http://10.1.63.163:9801/trans
Request Method: POST
Status Code: 200 OK
Remote Address: 10.1.63.163:9801
Referrer Policy: no-referrer-when-downgrade

Response Headers

Access-Control-Allow-Origin: *
Connection: keep-alive
Content-Length: 234
Content-Type: text/plain; charset=utf-8
Date: Mon, 05 Nov 2018 02:55:34 GMT+00:00
Server: WebServer/1.1

Request Headers

Provisional headers are shown

Content-type: application/x-www-form-urlencoded
Origin: null
User-Agent: Mozilla/5.0 (Windows NT 6.1; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.81 Safari/537.36

Form Data

view source view URL encoded
business_id: 900100001
amount: 000000000001

2.1 Request Parameters Example

Parameters	Required	instruction
BUSINESS_ID	YES	business type
AMOUNT	YES	Receipt amount (12 digits, cent as a unit)

2.2 Return Example

```

1  {
2    "BUSINESS_ID ": "900100001",
3    "TER_ID": "00040002",
4    "REJCODE_CN": "终端未登记  ",
5    "MERCH_NAME": "测试商户",
6    "REJCODE": "97",
7    "MERCH_ID": "852999958120001"
8  }
```

2.3 Field Specification

1 Amount: 12-digit number, cent as unit, complete the amount by adding 0 on left if the digit numbers are insufficient.

1 Voucher number: 6-digit number, complete it by adding 0 on left if the digit numbers are insufficient.

1 Authorization code: 6-digit number, complete it by adding 0 on left if the digit numbers are insufficient.

1 Date: YYYYMMDD

1 Time: 24HHMMSS

1 Card Number: Need to be hided in accordance with UnionPay regulations

1 TRANS_TICKET_NO: For non-bank card transactions, corresponding to the transaction number in the transaction system

1 TRANS_TRACE_NO is the only flow of transactions initiated on the PC side. The reference format is YYYYMMDD + hmmmss + serial number. TRANS_TRACE_NO It is enough to ensure the unique value of TRANS_TRACE_NO for each transaction, preferably not more than 20 digits).

1 TRANS_ORDER_NO: The order number of the transaction initiated on the PC

1 TRANS_TICKET_NO: The order number of the trading system

3. Transaction Interface

3.1 Collection

3.1.1 Collection – Bank card

Request Parameters

Parameter name	Required	Explanation
OPER_NO		Operator number
BUSINESS_ID	Required	Business type
AMOUNT	Required	amount (12 digit-number, cent as

		unit, completes it by adding 0 on left if the digit numbers are insufficient)
MEMO		Memo field
TRANS_TRACE_NO	Required	Transaction unique identifier
TRANS_ORDER_NO	Required	Commodity order number
CURRENCY	Required	Currency (refer to Appendix-Currency)
DCC_FLAG		Default EDC transaction (DCC/EDC)
BUS_INFO		Expand field

Return Parameter

Parameter name	Required	Explanation
BUSINESS_ID	Required	Business type
AMOUNT	Required	Amount
CURRENCY	Required	Currency
PAY_CURRENCY		Payment currency
PAY_AMOUNT		Payment amount
EXCHANGE_RATE		Exchange rate
ACTUALLY_AMOUNT	Required	The amount actually paid
TRACE_NO	Required	Swift number

EXP_DATE	Required	Valid date
BATCH_NO	Required	Batch number
MERCH_ID	Required	Business number
MERCH_NAME	Required	Business name
TER_ID	Required	Terminal number
REF_NO	Required	System reference number
AUTH_NO	Required	Authorization code
REJCODE	Required	Return code
CARD_ORGN		Card organization
CARDNO	Required	Card number
DATE	Required	Transaction date
TIME	Required	Transaction time
REJCODE_CN	Required	Return code explanation
MEMO		Memo field
TRANS_TRACE_NO		Transaction unique identifier
BUS_INFO		Expand field
TRANS_TICKET_NO		Transaction number

OPER_NO		Operator number
---------	--	-----------------

3.1.2 Collection-code Scanning

Request Parameters

Parameter name	Required	Explanation
OPER_NO		Operator number
BUSINESS_ID	Required	Business type
AMOUNT	Required	Amount (12 -digit number, cent as unit, completes it by adding 0 on left if the digit numbers are insufficient)
TRANS_TRACE_NO	Required	Transaction unique identifier
TRANS_ORDER_NO	Required	Commodity order number
CURRENCY	Required	Currencies
BUS_INFO		Expand field

Return Parameters

Parameter name	Optional	Explanation
BUSINESS_ID	Required	Business type
AMOUNT	Required	Amount
CURRENCY	Required	Currencies

TRACE_NO	Required	Swift number
BATCH_NO	Required	Batch number
MERCH_ID	Required	Business number
MERCH_NAME	Required	Business name
TER_ID	Required	Terminal number
REF_NO		System reference number
REJCODE	Required	Return code explanation. When answering AS, the transaction result is unknown, and the inquiry transaction needs to be initiated to obtain the final transaction result.
DATE	Required	Transaction date
TIME	Required	Transaction time
REJCODE_CN	Required	Return code explanation
TRANS_TRACE_NO		Transaction unique identifier
BUS_INFO		Expand field
TRANS_CHANNEL		Payment channel
TRANS_TICKET_NO		Transaction number
OPER_NO		Operator number

3.1.3 Collection – QR Code Payment

Request Parameters

Parameter name	Required	Explanation
OPER_NO		Operator number
BUSINESS_ID	Required	Business type
AMOUNT	Required	Amount (12-digit number, cent as unit, if not enough, add 0 to the left)
TRANS_TRACE_NO	Required	Transaction unique identifier
TRANS_ORDER_NO	Required	Commodity order number
CURRENCY	Required	Currencies
BUS_INFO		Expand field

Return Parameters

Parameter name	Optional	Explanation
BUSINESS_ID	Required	Business type
AMOUNT	Required	Amount
CURRENCY	Required	Currencies
TRACE_NO	Required	Swift number
BATCH_NO	Required	Batch number

MERCH_ID	Required	Merchant ID
MERCH_NAME	Required	Merchant name
TER_ID	Required	Terminal number
REF_NO		System reference number
REJCODE	Required	Return code
DATE	Required	Transaction date
TIME	Required	Transaction time
REJCODE_CN	Required	Return code explanation
TRANS_TRACE_NO		Transaction unique identifier
BUS_INFO		Expand field
TRANS_CHANNEL		Payment channel
PRINT_FLAG		Print mark
TRANS_TICKET_NO		Transaction number
OPER_NO		Operator number

Notes: success of the transaction return only means ordering successfully, the final transaction result needs to be gained by inquiry interface.

3.2 Void

3.2.1 Void – bank card

Request Parameters

Parameter name	Required	Explanation
OPER_NO		Operator number
BUSINESS_ID	Required	Business type
AMOUNT	Required	Amount (12 digit-number, cent as unit, completes it by adding 0 on left if the digit numbers are insufficient)
ORIG_TRACE_NO	Required	Original transaction document number
TRANS_TRACE_NO	Required	Transaction unique identifier
CURRENCY	Required	Currency (Refers to appendix-currencies)
BUS_INFO		Expand field

Return Parameters

Parameter name	Optional	Explanation
BUSINESS_ID	Required	Business type
AMOUNT	Required	Amount

TRACE_NO	Required	Swift number
ORIG_TRACE_NO	Required	Original swift number
EXP_DATE		Valid date
BATCH_NO	Required	Batch number
MERCH_ID	Required	Merchant number
MERCH_NAME	Required	Merchant name
TER_ID	Required	Terminal number
REF_NO	Required	System reference number
AUTH_NO		Authorization code
REJCODE	Required	Return code
CARD_ORGN		Card organization
CARDNO	Required	Card number
DATE	Required	Transaction date
TIME	Required	Transaction time
REJCODE_CN	Required	Return code explanation
MEMO		Remark
TRANS_TRACE_NO		Transaction unique identifier

BUS_INFO		Expand field
ORIG_DATE		Transaction date
PRINT_FLAG		Print mark
ORIG_REF_NO		Original system reference number
TRANS_TICKET_NO		Transaction number
OPER_NO		Operator number

3.2.2 Void – void by scanning code

Request Parameters

Parameter name	Required	Explanation
OPER_NO		Operator number
BUSINESS_ID	Required	Business type
ORIG_TRACE_NO	Required	Original document number
AMOUNT	Required	Amount (12 digit-number, cent as unit, completes it by adding 0 on left if the digit numbers are insufficient)
TRANS_TRACE_NO	Required	Transaction unique identifier
BUS_INFO		Expand field

Return Parameter

Parameter name	Optional	Explanation
BUSINESS_ID	Required	Business type
AMOUNT	Required	Amount
TRACE_NO	Required	Swift number
ORIG_TRACE_NO	Required	Original swift number
EXP_DATE		Valid date
BATCH_NO	Required	batch number
MERCH_ID	Required	Merchant number
MERCH_NAME	Required	Merchant name
TER_ID	Required	Terminal number
REF_NO	Required	System reference number
AUTH_NO		Authorization code
REJCODE	Required	Return code
CARD_ORGN	Required	Payment channel
DATE	Required	Transaction date
TIME	Required	Transaction time
REJCODE_CN	Required	Return code explanation

TRANS_TRACE_NO		Transaction unique identifier
BUS_INFO		Expand field
TRANS_CHANNEL		Payment channel
ORIG_DATE		Transaction date
PRINT_FLAG		Print mark
TRANS_TICKET_NO		Transaction number
OPER_NO		Operator number

3.3 Refund

3.3.1 Refund – bank card

Request Parameters

Parameter name	Required	Explanation
OPER_NO		Operator number
BUSINESS_ID	Required	Business type
AMOUNT	Required	Amount (12 digit-number, cent as unit, completes it by adding 0 on left if the digit numbers are insufficient)
ORIG_REF_NO	Required	Original system reference number
ORIG_DATE	Required	Original transaction date

CURRENCY	Required	Currency
TRANS_TRACE_NO	Required	Transaction unique identifier
BUS_INFO		Expand field

Return Parameters

Parameter name	Optional	Explanation
BUSINESS_ID	Required	Business type
AMOUNT	Required	Amount
CURRENCY	Required	Currency
TRACE_NO	Required	Swift number
ORIG_REF_NO	Required	Original system reference number
EXP_DATE	Required	Valid date
BATCH_NO	Required	Batch number
MERCH_ID	Required	Merchant number
MERCH_NAME	Required	Merchant name
TER_ID	Required	Terminal number
REF_NO	Required	System reference number
AUTH_NO	Required	Authorization code

REJCODE	Required	Return code
CARD_ORGN		Card organization
CARDNO	Required	Card number
DATE	Required	Transaction date
TIME	Required	Transaction time
REJCODE_CN	Required	Return code explanation
TRANS_TRACE_NO		Transaction unique identifier
BUS_INFO		Expand field
ORIG_DATE		Original transaction date
PRINT_FLAG		Print mark
TRANS_TICKET_NO		Transaction number
OPER_NO		Operator number

3.3.2 Refund-Refund by Scanning Code

Request Parameters

Parameter name	Required	Explanation
OPER_NO		Operator number
BUSINESS_ID	Required	Business type

ORIG_ TRANS_TICKET_NO	Required	Original transaction number
AMOUNT	Required	Amount (12 digit-number, cent as unit, completes it by adding 0 on left if the digit numbers are insufficient)
CURRENCY	Required	Currency
TRANS_TRACE_NO	Required	Transaction unique identifier
BUS_INFO		Expand field

Return Parameters

Parameter name	Optional	Explanation
BUSINESS_ID	Required	Business type
AMOUNT	Required	Amount
CURRENCY	Required	Currency
TRACE_NO	Required	Swift number
EXP_DATE		Valid date
BATCH_NO	Required	Batch number
MERCH_ID	Required	Merchant number
MERCH_NAME	Required	Merchant name
TER_ID	Required	Terminal number

REF_NO	Required	System reference number
AUTH_NO		Authorization code
REJCODE	Required	return code
DATE	Required	transaction date
TIME	Required	transaction time
REJCODE_CN	Required	Return code explanation
TRANS_TRACE_NO		Transaction unique identifier
BUS_INFO		Expand field
TRANS_CHANNEL		Payment channel
ORIG_DATE		Original transaction date
ORIG_TRACE_NO		Original swift number
PRINT_FLAG		Print mark
TRANS_TICKET_NO		Transaction number
OPER_NO		Operator number

3.4 Inquiry

3.4.1 Transaction Result Inquiry

For the scan code payment in the request timeout or in the clear response processing, this API interface needs to be called to obtain the final payment result.

Request Parameters

Parameter name	Required	Explanation
OPER_NO		Operator number
BUSINESS_ID	Required	Business type
ORIG_DATE		Original transaction date
TRANS_TRACE_NO	Required	Transaction unique identifier (Consistent with the original transaction)

Return Parameters

Parameter name	Optional	Explanation
BUSINESS_ID	Required	business type
AMOUNT	Required	Amount
TRACE_NO	Required	Swift number
EXP_DATE		Valid date

BATCH_NO	Required	Batch number
MERCH_ID	Required	Merchant number
MERCH_NAME	Required	Merchant name
TER_ID	Required	Terminal number
REF_NO	Required	System reference number
AUTH_NO		Authorization code
REJCODE	Required	Return code
DATE	Required	Transaction date
TIME	Required	Transaction time
REJCODE_CN	Required	Return code explanation
TRANS_STATE		Trading status (Required when REJCODE is 00, see appendix-transaction status)
TRANS_DESC		Transaction status description
TRANS_TRACE_NO		Transaction unique identifier
TRANS_TICKET_NO		Transaction number
TRANS_CHANNEL		Payment channel
PRINT_FLAG		Print mark

OPER_NO		Operator number
MEMO		Memo field

3.5. Authorization

3.5.1 Pre-authorization

Request Parameters

Parameter name	Required	Explanation
OPER_NO		Operator number
BUSINESS_ID	Required	Business type
AMOUNT	Required	Amount (12 digit-number, cent as unit, completes it by adding 0 on left if the digit numbers are insufficient)
CURRENCY	Required	Currencies
TRANS_TRACE_NO		Transaction unique identifier
BUS_INFO		Expand field

Return Parameters

Parameter name	Optional	Explanation
BUSINESS_ID	Required	Business type
AMOUNT	Required	Amount

CURRENCY	Required	Currency
TRACE_NO	Required	Swift number
EXP_DATE	Required	Valid date
BATCH_NO	Required	Batch number
MERCH_ID	Required	Merchant number
MERCH_NAME	Required	Merchant name
TER_ID	Required	Terminal number
REF_NO	Required	System reference number
AUTH_NO	Required	Authorization code
REJCODE	Required	Return code
CARDNO	Required	Card number
DATE	Required	Transaction date
TIME	Required	Transaction time
REJCODE_CN	Required	Return code explanation
TRANS_TRACE_NO		Transaction unique identifier
CARD_TYPE_IDENTITY		Debit and Credit Card Identification 0: debit card; 1: credit card

BUS_INFO		Expand field
PRINT_FLAG		Print mark
TRANS_TICKET_NO		Transaction number
OPER_NO		Operator number

3.5.2 Pre-authorization Voiding

Request Parameters

Parameter name	Required	Explanation
OPER_NO		Operator number
BUSINESS_ID	Required	Business type
AMOUNT	Required	Amount (12 digit-number, cent as unit, completes it by adding 0 on left if the digit numbers are insufficient)
ORIG_AUTH_NO	Required	Original authorization number (document number)
TRANS_TRACE_NO		Transaction unique identifier
BUS_INFO		Expand field
CARDNO		card number (If you don't fill it in, the card reader/card number interface will pop up)

Return Parameters

Parameter name	Optional	Explanation
BUSINESS_ID	Required	Business type
AMOUNT	Required	Amount
TRACE_NO	Required	Swift number
EXP_DATE	Required	Valid date
BATCH_NO	Required	Batch number
MERCH_ID	Required	Merchant number
MERCH_NAME	Required	Merchant name
TER_ID	Required	Terminal number
REF_NO	Required	System reference number
AUTH_NO	Required	Authorization code
REJCODE	Required	Return code
CARDNO	Required	Card number
ORIG_DATE	Required	Original transaction date
DATE	Required	Transaction date
TIME	Required	Transaction time
REJCODE_CN	Required	Return code explanation

TRANS_TRACE_NO		Transaction unique identifier
CARD_TYPE_IDENTITY		Debit and Credit Card Identification 0: debit card; 1: credit card
BUS_INFO		Expand field
PRINT_FLAG		Print mark
TRANS_TICKET_NO		Transaction number
OPER_NO		Operator number

3.5.3 Pre-authorization Completion

Request Parameters

Parameter name	Required	Explanation
OPER_NO		Operator number
BUSINESS_ID	Required	Business type
ORIG_AUTH_NO	Required	Original authorization number
ORIG_DATE	Required	Original transaction date
AMOUNT	Required	Amount (12 digit-number, cent as unit, completes it by adding 0 on left if the digit numbers are insufficient)
CURRENCY	Required	Currency

TRANS_TRACE_NO		Transaction unique identifier
DCC_FLAG		Default EDC transaction (DCC/EDC)
BUS_INFO		Expand field
CARDNO		If you don't fill it in, the card reader/card number interface will pop up)

Return Parameters

Parameter name	Optional	Explanation
AMOUNT	Required	Amount
CURRENCY	Required	Currency
PAY_CURRENCY		Payment currency
PAY_AMOUNT		Payment amount
EXCHANGE_RATE		Exchange rate
TRACE_NO	Required	Swift number
EXP_DATE	Required	Valid date
BATCH_NO	Required	Batch number
MERCH_ID	Required	Merchant number
MERCH_NAME	Required	Merchant name

TER_ID	Required	Terminal number
REF_NO	Required	System reference number
AUTH_NO	Required	Authorization code
REJCODE	Required	Return code
CARDNO	Required	Card number
ORIG_DATE	Required	Transaction date
DATE	Required	Transaction date
TIME	Required	Transaction time
REJCODE_CN	Required	Return code explanation
TRANS_TRACE_NO		Transaction unique identifier
CARD_TYPE_IDENTITY		Debit and Credit Card Identification 0: debit card; 1: credit card
BUS_INFO		Expand field
ORIG_DATE		Transaction date
PRINT_FLAG		Print mark
BUSINESS_ID		Business type
ORIG_REF_NO		Original system reference number

TRANS_TICKET_NO		Transaction number
OPER_NO		Operator number

3.5.4 Voiding of Pre-authorization Completion

Request Parameters

Parameter name	Required	Explanation
OPER_NO		Operator number
BUSINESS_ID	Required	Business type
ORIG_TRACE_NO	Required	Original swift number
AMOUNT	Required	Amount (12 digit-number, cent as unit, completes it by adding 0 on left if the digit numbers are insufficient)
TRANS_TRACE_NO		Transaction unique identifier
BUS_INFO		Expand field
CARDNO		If you don't fill it in, the card reader/card number interface will pop up)

Return Parameters

Parameter name	Optional	Explanation
AMOUNT	Required	Amount

TRACE_NO	Required	Swift number
ORIG_TRACE_NO	Required	Original swift number
EXP_DATE	Required	Valid date
BATCH_NO	Required	Batch number
MERCH_ID	Required	Merchant number
MERCH_NAME	Required	Merchant name
TER_ID	Required	Terminal number
REF_NO	Required	System reference number
AUTH_NO	Required	Authorization code
REJCODE	Required	Return code
CARDNO	Required	Card number
DATE	Required	Transaction date
TIME	Required	Transaction time
REJCODE_CN	Required	Return code explanation
TRANS_TRACE_NO		Transaction unique identifier
CARD_TYPE_IDENTITY		Debit and Credit Card Identification 0: debit card 1: credit card

BUS_INFO		Expand field
ORIG_DATE		Original transaction date
PRINT_FLAG		Print mark
BUSINESS_ID		Business type
ORIG_REF_NO		Original system reference number
OPER_NO		Operator number

3.6 Accessibility

3.6.1 Receiving Terminal Master Key

Request Parameters

Parameter name	Required	Explanation
OPER_NO		Operator number
BUSINESS_ID	Required	Business type

Return Parameters

Parameter name	Optional	Explanation
MERCH_ID	Required	Merchant number
MERCH_NAME	Required	Merchant name
TER_ID	Required	terminal number

REJCODE	Required	return code
REJCODE_CN	Required	Return code explanation
PRINT_FLAG		Print mark
BUSINESS_ID		business type

3.6.2 Terminal Sign-on

Request Parameters

Parameter name	Required	Explanation
OPER_NO		Operator number
BUSINESS_ID	Required	Business type

Return Parameters

Parameter name	Optional	Explanation
BATCH_NO	Required	Batch number
TRACE_NO	Required	Swift number
MERCH_ID	Required	Merchant number
MERCH_NAME	Required	Merchant name
TER_ID	Required	terminal number
REJCODE	Required	return code

REJCODE_CN	Required	Return code explanation
PRINT_FLAG		Print mark
BUSINESS_ID		business type

3.6.3 Terminal Settlement

Request Parameters

Parameter name	Required	Explanation
OPER_NO		Operator number
BUSINESS_ID	Required	business type

Return Parameters

Parameter name	Optional	Explanation
BUSINESS_ID	Required	Business type
BATCH_NO	Required	batch number
TRACE_NO	Required	Original swift number
MERCH_ID	Required	Merchant number
MERCH_NAME	Required	Merchant name
TER_ID	Required	terminal number
REJCODE	Required	return code

REJCODE_CN	Required	Return code explanation
TIME		transaction time
DATE		transaction date
PRINT_FLAG		Print mark
OPER_NO		Operator number

3.6.4 Reprinting a Receipt

Request Parameters

Parameter name	Required	Explanation
OPER_NO		Operator number
BUSINESS_ID	Required	Business type
ORIG_TRACE_NO	Required	Original swift number
TRANS_TRACE_NO		Transaction unique identifier

Return Parameters

Parameter name	Optional	Explanation
AMOUNT	Required	Amount
TRACE_NO	Required	Swift number
ORIG_TRACE_NO		Original swift number

ORIG_REF_NO		Original system reference number
EXP_DATE		valid date
BATCH_NO	Required	batch number
MERCH_ID	Required	Merchant number
MERCH_NAME	Required	Merchant name
TER_ID	Required	Terminal number
REF_NO	Required	System reference number
AUTH_NO		Authorization code
REJCODE	Required	Return code
CARD_ORGN		Card organization or Wallet agency
CARDNO		Card number
DATE	Required	Transaction date
TIME	Required	Transaction time
REJCODE_CN	Required	Return code explanation
TRANS_TRACE_NO	Required	Transaction unique identifier
BUS_INFO		Expand field
PRINT_FLAG		Print mark

BUSINESS_ID		Business type
OPER_NO		Operator number

3.6.5 Reprinting the Purchase Order

Request Parameters

Parameter name	Required	Explanation
OPER_NO		Operator number
BUSINESS_ID	Required	Business type
TRANS_TRACE_NO		Transaction unique identifier

Return Parameters

Parameter name	Optional	Explanation
AMOUNT	Required	Amount
TRACE_NO	Required	Swift number
ORIG_TRACE_NO		Original swift number
ORIG_REF_NO		Original system reference number
EXP_DATE		valid date
BATCH_NO	Required	batch number
MERCH_ID	Required	Merchant number

MERCH_NAME	Required	Merchant name
TER_ID	Required	Terminal number
REF_NO	Required	System reference number
AUTH_NO		Authorization code
REJCODE	Required	Return code
CARD_ORGN		Card organization or wallet agency
CARDNO		Card number
DATE	Required	Transaction date
TIME	Required	Transaction time
REJCODE_CN	Required	Return code explanation
TRANS_TRACE_NO	Required	Transaction unique identifier
BUS_INFO		Expand field
PRINT_FLAG		Print mark
BUSINESS_ID		Business type
OPER_NO		Operator number

3.7 Foreign Service

3.7.1 Getting Device Information

Request Parameters

Parameter name	Required	Explanation
BUSINESS_ID	Required	Business type

Return Parameters

Parameter name	Optional	Explanation
BUSINESS_ID	Required	Business type
SN	Required	device serial number
MODEL	Required	Device model
VENDOR	Required	Terminal brand
VERSIONCODE	Required	Driver version number
CERTIFICATION	Required	Network license number
REJCODE	Required	return code
REJCODE_CN	Required	Return code explanation
PRINT_FLAG		Print mark
MERCH_ID		Merchant number

MERCH_NAME		Merchant name
TER_ID		terminal number

4. Parameters Description

Card Logo (CARD_ORGN Property)

Card category	Card organization name	return value
union pay	UNION	00
VISA	VISA	01
master card	Master Card	02
JCB	JCB	03
dinners club	Dinner Club	04
American express	American Express	05

Payment Channel (TRANS_CHANNEL Property)

Category	Organization name	Return value
Alipay wallet	Alibaba	ALP
Wechat wallet	Tencent	WXP
union pay	UnionPay International	UNP
PayNow	PayNow	PNP

Business Type (BUSINESS_ID Property)

Transaction Type	Corresponding request	remark
BUSI_SALE_BANK	100100001	Bank card payment
BUSI_SALE_QR	100300001	scan QR code to pay
BUSI_SALE_SCAN	100300002	QR Code payment
BUSI_VOID_BANK	200100001	Bank card cancellation
BUSI_VOID_QR	200300001	Scan QR code payment cancellation
BUSI_REFUND_BANK	300100001	Bank card return goods
BUSI_REFUND_QR	300300001	Scan QR code for returns
BUSI_AUTH_BANK	500100001	Pre-authorization, only bank cards are supported
BUSI_AUTH_VOID_BANK	510100001	Revocation of pre-authorization, only bank cards are supported

BUSI_AUTH_CM_BANK	520100001	Pre-authorization is complete, only bank cards are supported
BUSI_AUTH_CM_VOID_BANK	530100001	The pre-authorization is cancelled, only bank cards are supported
BUSI_QUERY_ORDER_RESULT	600000002	Payment result inquiry
BUSI_MANAGER_TRANS_LOAD_MKEY	900100030	Receive terminal master key
BUSI_MANAGER_TRANS_LOGON	900100001	Terminal sign in
BUSI_MANAGER_TRANS_SETTLE	900100002	Terminal settlement
BUSI_MANAGER_TRANS_REPRINT	900100010	Reprint the purchase order
BUSI_MANAGER_LAST_TRANS_REPRINT	900100020	Reprint the purchase order
BUSI_MANAGER_TRANS_REPRINT_SETTLE	900100011	Reprint statement
BUSI_MANAGER_TRANS_PRINT_DETAIL	900100012	Print transaction

		details
BUSI_MANAGER_TRANS_PRINT_TOTAL	900100013	Print transaction summary
BUSI_MANAGER_SERVICE_READCARD	900300001	Card reading information
BUSI_MANAGER_SERVICE_GET_BASIC_INFO	900300005	Get device information
BUSI_MANAGER_APP_CONFIG	900200002	parameter settings

Transaction State (TRANS_STATE Field)

State	Description
PAIED	Paid
FAIL	Payment failed
PAYING	paying
RETURNED	Returned
VOID	Voided
REVOKED	Revoked

Currency (CURRENCY Field)

Currency	CODE
HKD	HKD

CNY	RMB
SGD	SGD

Return Code(REJCODE Field)

Response	Meaning	Description
00	Successful acceptance or transaction	Successful transaction
01	Check the card issuer	Please ask the cardholder to contact the card-issuing bank
03	Invalid merchant	Invalid merchant
04	Confiscated card	This card should be swallowed (ATM) <u>This card is invalid (POS)</u>
05	Identity authentication failed	Cardholder authentication failed
10	Partial amount approved	Display part of the approved amount and prompt the operator
11	Very important person approval (VIP)	This is a VIP customer
12	Invalid related transaction	Invalid transaction
13	Invalid amount	Invalid amount

14	Invalid card number (no such account number)	Invalid card number
15	No such issuer	There is no corresponding issuer for this card
16	Approval of updating the third track	Approval of updating the third track
21	Card not initialized	The card is not initialized or inactivated card
22	Suspected failure, related transaction error	The operation is wrong, or the number of days allowed for the transaction has been exceeded
25	Original transaction not found	No original transaction, please contact the card issuer
30	Message format error	Please try again
34	Suspicion of cheating	Cheating card, swallowed card
38	Trying input more than allowed PIN	The number of incorrect passwords exceeds the limit, please contact the card issuer
40	The requestfunction is not yet supported	Transactions not supported by the card issuer
41	Loss report card	This card has been reported as lost or swallowed (ATM) Loss Report card (POS)

43	Stolen card	This card has been confiscated, please contact the card issuer (ATM) Stolen card (POS)
51	Insufficient funds	Insufficient available balance
54	Expired card	The card has expired
55	PINIncorrect PIN	Wrong password
57	Unallowed transactions by cardholders	This card is not allowed for transaction
58	Transactions that are not allowed on the terminal	The card issuer does not allow the card to conduct this transaction on this terminal
59	Suspicion of cheating	Card verification error
61	Exceeded amount limit	The transaction amount exceeds the limit
62	Restricted card	Restricted card
64	The original amount is wrong	The transaction amount does not match the original transaction
65	Excess of withdrawal/consumption times limit	Exceeding withdrawal/consumption times limit
68	Issuing bank's response times out	Transaction times out, please try again

75	The allowed times of PIN input exceeds the limit	The times of incorrect passwords exceeds the limit
90	Processing at the end of the day	The system is daily settling, please try again later
91	The issuer cannot operate	The issuer's status is abnormal, please try again later
92	Financial institutions or intermediate network facilities cannot be found or reachable	The issuer line is abnormal, please try again later
94	Repeat transaction	Decline, repeat transaction, please try again later
96	The UnionPay processing center system is abnormal or invalid	Rejected, the exchange center is abnormal, please try again later
97	ATM/POS terminal number not found	The terminal number is not registered
98	UnionPay processing center cannot receive the card issuer's response	Issuer timed out
99	PIN format is wrong	PIN format is wrong, please sign in again
A0	MAC authentication failed	MAC check error, please sign in again

AS	MAC authentication failed	Unknown transaction result
166	PLS REPRINT LAST RECEIPT	The last receipt was not successfully printed, please reprint it

5. Q&A

Q1: The rejection code is 166: The last receipt was not successfully printed, please reprint it

A: Invoke the API interface for reprinting the last transaction
(BUSINESS_ID=900100020)