

# POS Nextypay Gateway

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## 1 Introduction

POS Nextypay Gateway serve the payments with POS Providers with NTY.

**Main focus** In this project, we focus to control the payments per POS with QR, Bar code and the exiting Nextypay mobile app. POS can create requests with API key, which is reveiced after register.

## 2 Params define

Two front digits

QR generation (10)

QR Cancel (20)

Bar code transaction approval (30)

Cancel / Refund Transaction (40)

Trade Inquiry (50)

Two back digits

Request (10)

Reply (11)

Note 1

A: Left-justified by character (String)

N: Right alignment with number (String), filled with '0'

AN: Means A or N V: variable length

V: Variable length

Note 2

MID: Merchant identification number issued by ICB (business department)

Note 3

OUT\_TRADE\_NO: Transaction unique number issued by ICB

Note 4

Professional tracking number: daily deal number generated by merchant (required for cancellation)

Params list				
Length	Type	Param	Description	Created by
4 AN	char *	proto_fg	Request type code	Merchant
2 AN	char *	proto_ver	Gateway API version	Merchant
12 AN	char *	mid	Identification number of the merchant	Merchant
10 AN	char	trace_no	Professional tracking number	Merchant
10 AN	char *	pos_no	Merchant Force Management Number	Merchant
4 AN	char *	payment_method	Nextypay QR: 0201 Nextypay Barcode: 0202	Merchant
3 A	char *	currency_cd	Currency code	Merchant
10 N	long	req_amt	Amount of payment requested	Merchant
8 A	long	req_date	Requested date	Merchant
6 A	long	req_time	Requested time	Merchant
107 AN	long	filler	Reserved area field	Merchant
10 N	long	svc_amt	Service charge	Merchant
10 N	long	tax	Tax	Merchant
4 N	char *	exp_time	QR usage expiration time	Merchant
0	char *	rep_msg	Reply message	Merchant
20 AN	char *	out_trade_no	Transaction number	Merchant
20 AN	char *	org_out_trade_no	Transaction number to cancel	Merchant
8 A	char *	org_app_date	Date of the original approval	Merchant
10 N	char *	org_app_no	Circle approval number (default: unused)	Merchant
37 AN	char *	barcode_no	Barcode number	Merchant
4 A	char *	res_cd	Response code	Gateway
50 A	char *	res_msg	Response message	Gateway
8 A	char *	res_date	Response date	Gateway
6 AN	char *	res_time	Response time	Gateway
4 A	char *	qr_url_len	QR code url length	Gateway
VA	char *	qr_url	QR code url	Gateway
4 A	char *	iss_cd	Issued code	Gateway
20 A	char *	iss_name	Issued mission	Gateway
4 A	char *	aco_cd	Acquisition code	Gateway
20 A	char *	aco_nm	Purchase Mission	Gateway
8 A	char *	app_date	Approval date	Gateway
6 A	char *	app_time	Approval time	Gateway
10 N	char *	app_no	Approval number	Gateway
8 A	char *	can_date	Date of cancellation approval	Gateway
6 A	char *	can_time	3 Cancellation Approval Time	Gateway
5 A	char *	status_cd	Transaction status code	Gateway
50 A	char *	status_msg	Transaction status message	Gateway

### 3 IO requested formats

Comming soon!

#### 3.1 QR creation 1010

Inputs

mid, trace\_no, pos\_no, payment\_method, currency\_cd, req\_amt, svc\_amt,  
tax, exp\_time, rep\_msg

Response

1011 (4) + mid (12) + proto\_ver (2) + trace\_no (10) + pos\_no (10) +  
payment\_method (4) + res\_cd (4) + res\_msg (50) + out\_trade\_no (20)  
+ res\_date (8) + res\_time (6) + qr\_url\_len (4) + qr\_url

#### 3.2 QR cancellation 2010

Inputs

mid, trace\_no, pos\_no, payment\_method, currency\_cd, org\_out\_trade\_no,  
rep\_msg

Response

2011 (4) + mid (12) + proto\_ver (2) + trace\_no (10) + pos\_no (10) +  
payment\_method (4) + res\_cd (4) + res\_msg (50) + org\_out\_trade\_no  
(20) + res\_date (8) + res\_time (6)

#### 3.3 Barcode creation 3010

Inputs

mid, trace\_no, pos\_no, payment\_method, currency\_cd, req\_amt, svc\_amt,  
tax, barcode\_no, rep\_msg

Response

3011 (4) + mid (12) + proto\_ver (2) + trace\_no (10) + pos\_no (10) +  
payment\_method (4) + svc\_amt (10) + tax (10) + res\_cd (4) + res\_msg  
(50) + out\_trade\_no (20) + iss\_cd (4) + iss\_name (20) + app\_date (8)

+ app\_time (6) + app\_no (10) + res\_date (8) + res\_time (6) + filler  
(65)

### **3.4 Barcode cancellation 3110**

#### Inputs

mid, trace\_no, pos\_no, payment\_method, currency\_cd, req\_amt, svc\_amt,  
tax, barcode\_no, rep\_msg

#### Response

3111 (4) + mid (12) + proto\_ver (2) + trace\_no (10) + pos\_no (10) +  
payment\_method (4) + svc\_amt (10) + tax (10) + res\_cd (4) + res\_msg  
(50) + out\_trade\_no (20) + iss\_cd (4) + iss\_name (20) + app\_date (8)  
+ app\_time (6) + app\_no (10) + res\_date (8) + res\_time (6) + filler  
(65)

### **3.5 Cancellation of transaction 4010**

#### Inputs

mid, trace\_no, pos\_no, payment\_method, currency\_cd, req\_amt, svc\_amt,  
tax, org\_out\_trade\_no, org\_app\_date, org\_app\_no, rep\_msg

#### Response

4011 (4) + mid (12) + proto\_ver (2) + trace\_no (10) + pos\_no (10) +  
payment\_method (4) + svc\_amt (10) + tax (10) + res\_cd (4) + res\_msg  
(50) + org\_out\_trade\_no (20) + Original authorization number (10)  
???? + iss\_cd (4) + aco\_nm (20) + can\_date (8) + can\_time (6) +  
res\_date (8) + res\_time (6) + filler (65)

### **3.6 Status of transaction 5010**

#### Inputs

mid, trace\_no, pos\_no, payment\_method, currency\_cd, req\_amt, svc\_amt,  
tax, out\_trade\_no, rep\_msg

Response

5011 (4) + mid (12) + proto\_ver (2) + trace\_no (10) + pos\_no (10) +  
payment\_method (4) + svc\_amt (10) + tax (10) + res\_cd (4) + res\_msg  
(50) + status\_cd (4) + status\_msg (50) + iss\_cd (4) + iss\_name (20)  
+ aco\_cd (4) + aco\_nm (20) + app\_date (8) + app\_time (6) + app\_no  
(10) + res\_time (6) + 11 cells free

## References

[1]

[2]

[3]