



FriMi Digital Lifestyle Service

Pay by FriMi API Specification

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Contents

1. Pay by FriMi API specifications	2
2. Transaction Modes	6
3. Response Code	6
4. Field Definitions & Values	7

1. Pay by FriMi API Spec

Transaction	Dynamic QR
UAT URL	https://uatopenapi.nationstrust.com:8243/ntb/vi.0.0/sense
Live URL	https://coapi.nationstrust.com:8243/ntb/sense/1.0.0/common
Request Type	POST
Body	<pre>{ "tid": "11111186", "request_id": "111112", "app_id": "FriMi", "module_id": "QR", "req_type_id": "003", "date_time": "30-Oct-2021 12:07:56", "sender_id": "", "body": "eyJzYW5rYXFybWkljoiMDAwMDAwNTU1NTU1NTU3MiIsImxhbmthcXJ0aWQiOiIwMDAxliwiYW1vdW50IjoieMTU2LjI1In0="</pre> <p>Encoded Body</p> <pre>----- {"lankaqrmid": "0000005555555572", "lankaqrtid": "0001", "amount": "156.25"}</pre>
Response	<pre>{ "tid": "11111186", "request_id": "11111001", "app_id": "FriMi", "module_id": "QR", "req_type_id": "003", "date_time": "30-Oct-2021 12:07:56", "sender_id": "", "body": "{ \"response_code\": \"M00\", \"response_description\": \"Success\", \"data\": { \"code\": \"MDAwMjAxMDEwMjEyMjYzMjAwMjgxNjE2MjAwMTAwMDAwMDU1NTU1NTU1NzlwMDAxNTIwNDMwMDA1MzAzMTQ0NTQwNjE1Ni4yNTU4MDJMSzU5MjVMQUtTSEIUSEEwMTIzNDU2Nzg5MDEyMzQ1NjAxMEFUSFVSQUxJWUE2MjI5MDUyNTgxNjRGQTM4MEVDQjQ1QjI4MzAxNTc1QjE2MzA0RTJBNQ==\", \"ref_no\": \"8164FA380ECB45B28301575B1\" } }"</pre>

Transaction	Get Recent transaction By Reference ID
UAT URL	https://uatopenapi.nationstrust.com:8243/ntb/vi.0.0/sense
Live URL	https://coapi.nationstrust.com:8243/ntb/sense/1.0.0/common
Request Type	POST
Body	<pre>{ "tid": "11111186", "request_id": "1111100212", "app_id": "FriMi", "module_id": "QR", "req_type_id": "002", "date_time": "30-Oct-2021 12:07:56", "sender_id": "", "body": "ewoibGFua2Fxcn1pZCI6IjAwMDAwMDU1NTU1NTU1NzliLAoibGFua2FxcnRpZCI6IjAwMDRlLAoicmVmX25vIjoieU2NEYORDFEQkNBNDAwNzIGREMyRUI5MiiKfQ==" }</pre> <p>Encoded Body</p> <pre>----- { "lankaqrmid": "0000005555555572", "lankaqrtid": "0001", "ref_no": "4E64F4D1DBCA40079FDC2EB92" }</pre>
Response	<pre>{ "tid": "11111186", "request_id": "1111100212", "app_id": "FriMi", "module_id": "QR", "req_type_id": "002", "date_time": "30-Oct-2021 12:07:56", "sender_id": "", "body": "{ \"response_code\": \"M141\", \"response_description\": \"Transaction not found\", \"data\": null}" }</pre>

Transaction	Get last five transactions
UAT URL Live URL	https://uatopenapi.nationstrust.com:8243/ntb/vi.0.0/sense https://coapi.nationstrust.com:8243/ntb/sense/1.0.0/common
Request Type	POST
Body	<pre>{ "tid": "11111186", "request_id": "11111001", "app_id": "FriMi", "module_id": "QR", "req_type_id": "001", "date_time": "30-Oct-2021 12:07:56", "sender_id": "", "body": "ewoglCJsYW5rYXFybWlkjogljAwMDAwMDU1NTU1NTU1NzliLAogICJsYW5rYXFydGkljogljAwMDEiCn0=" }</pre> <p>Encoded Body</p> <pre>----- { "lankaqrmid": "0000005555555572", "lankaqrtid": "0001" }</pre>
Response	<pre>{ "tid": "11111186", "request_id": "11111001", "app_id": "FriMi", "module_id": "QR", "req_type_id": "001", "date_time": "30-Oct-2021 12:07:56", "sender_id": "", "body": "{\response_code\": \"M00\", \"response_description\": \"Success\", \"data\": [{\status\": \"TCMP\", \"date_time\": \"2022/01/04 10:03:44\", \"amount\": \"35\", \"mid\": \"5555555572\", \"tid\": \"44450030\", \"txnid\": \"8FA76B5DCFE495C821D513B6166D219\"}, {\status\": \"TCMP\", \"date_time\": \"2022/01/04 09:56:20\", \"amount\": \"379.99\", \"mid\": \"5555555572\", \"tid\": \"44450030\", \"txnid\": \"D3426C9F17604C69ABB5309E01F91457\"}, {\status\": \"TCMP\", \"date_time\": \"2021/12/24 08:30:47\", \"amount\": \"35\", \"mid\": \"5555555572\", \"tid\": \"44450030\", \"txnid\": \"2E7B57B2A76341E18D999EE88425AE0A\"}, {\status\": \"TCMP\", \"date_time\": \"2021/12/22 11:57:16\", \"amount\": \"154\", \"mid\": \"5555555572\", \"tid\": \"44450030\", \"txnid\": \"270A2093E3174EFFB2DC1F4CEFD067A2\"}, {\status\": \"TCMP\", \"date_time\": \"2021/12/22 11:56:02\", \"amount\": \"380\", \"mid\": \"5555555572\", \"tid\": \"44450030\", \"txnid\": \"060354DA9C3C47A3AC8CD6895525AD7F\"}]}" }</pre>

Transaction	Reconciliation API
UAT URL Live URL	https://uatopenapi.nationstrust.com:8243/ntb/vi.0.0/sense https://coapi.nationstrust.com:8243/ntb/sense/1.0.0/common
Request Type	POST
Body	<pre>{ "tid": "0002", "request_id": "1030031", "app_id": "FriMi", "module_id": "QR", "req_type_id": "004", "date_time": "15-Sep-2022 10:15:00", "sender_id": "", "body": "ewoglCJNaWQiAiQUxMliwKICAIvGikljoglkFMTClS CiAgllR4bkRhdGUiOiAiMDYtU2VwLTlwMjliLAogI CJHcm91cEIEIjogIjAwMDAwMDcxliwKfQ==" }</pre> <p>encoded Request Body</p> <pre>{ "Mid": "ALL", "Tid": "ALL", "TxnDate": "06-Sep-2022", "GroupID": "00000071", }</pre>
Response	<pre>{ "tid": "0002", "request_id": "1030031", "app_id": "FriMi", "module_id": "QR", "req_type_id": "004", "date_time": "15-Sep-2022 15:16:28", "sender_id": "", "body": "[{"MERCHANT_TRANSACTION_ID": "D2C76F469340490588A09C59A", "TXNTYPECODE": "14", "MERCUSTOMERS_ID": "00000071", "TERMI_ID": "44450209", "REQ_MID": "00000055555555678", "REQ_ID": "10268.0", "MER_REF_NO": null, "TXN_DATE": "06-Sep-2022 03:09:31 PM", "SYS_DATE": "15-Sep-2022 03:09:28 PM", "RRN": "662458251605", "FRIMI_ID": "2222769342", "TXN_AMOUNT": "10.0", "TXN_CURRENCY_CODE": "144", "MOBILE_NO": "0770371017", "MERCHANT_FUND_AMOUNT": "0.0", "NTB_COMMISSION": "0.15", "NET_AMT": "9.85", "LANKAQRTID": "0002", "UNIQUE_TERMINAL_ID": "000000555555556780002"}, {"MERCHANT_TRANSACTION_ID": "D2C76F469340490588A09C59A", "TXNTYPECODE": "14", "MERCUSTOMERS_ID": "00000071", "TERMI_ID": "44450209", "REQ_MID": "00000055555555678", "REQ_ID": "10272.0", "MER_REF_NO": null, "TXN_DATE": "06-Sep-2022 04:09:27 PM", "SYS_DATE": "15-Sep-2022 03:09:28 PM", "RRN": "662462027526", "FRIMI_ID": "2222769342", "TXN_AMOUNT": "10.0", "TXN_CURRENCY_CODE": "144", "MOBILE_NO": "0770371017", "MERCHANT_FUND_AMOUNT": "0.0", "NTB_COMMISSION": "0.15", "NET_AMT": "9.85", "LANKAQRTID": "0002", "UNIQUE_TERMINAL_ID": "000000555555556780002"}, {"MERCHANT_TRANSACTION_ID": "E373206FFCD9428F8879B4BBD", "TXNTYPECODE": "14", "MERCUSTOMERS_ID": "00000071", "TERMI_ID": "44450209", "REQ_MID": "00000055555555678", "REQ_ID": "10273.0", "MER_REF_NO": null, "TXN_DATE": "06-Sep-2022 05:09:56 PM", "SYS_DATE": "15-Sep-2022 03:09:28 PM", "RRN": "662464517369", "FRIMI_ID": "2222769342", "TXN_AMOUNT": "10.0",</pre>

	<pre> "TXN_CURRENCY_CODE":\ "144\","MOBILE_NO":\ "0770371017\","MERCHANT_FUND_AMOUNT":0.0 ,\ "NTB_COMMISSION":0.15,\ "NET_AMT":9.85,\ "LANKAQRTID":\ "0002\","UNIQUE_TERMINAL_ID":\ " 0000005555556780002\"},"MERCHANT_TRANSACTION_ID":\ "D2C76F469340490588A09C59A\","TX NTYPECODE":\ "14\","MERCUSTOMERS_ID":\ "00000071\","TERMI_ID":\ "44450209\","REQ_MID":\ "000000555555678\","REQ_ID":10270.0,\ "MER_REF_NO":null,\ "TXN_DATE":\ "06-Sep- 2022 04:09:57 PM\","SYS_DATE":\ "15-Sep- 2022 03:09:28 PM\","RRN":\ "662461098398\","FRIMI_ID":\ "2222769342\","TXN_AMOUNT":10.0,\ "TXN_CURRENCY_CODE":\ "144\","MOBILE_NO":\ "0770371017\","MERCHANT_FUND_AMOUNT":0.0 ,\ "NTB_COMMISSION":0.15,\ "NET_AMT":9.85,\ "LANKAQRTID":\ "0002\","UNIQUE_TERMINAL_ID":\ " 0000005555556780002\"},"MERCHANT_TRANSACTION_ID":\ "D2C76F469340490588A09C59A\","TX NTYPECODE":\ "14\","MERCUSTOMERS_ID":\ "00000071\","TERMI_ID":\ "44450209\","REQ_MID":\ "000000555555678\","REQ_ID":10271.0,\ "MER_REF_NO":null,\ "TXN_DATE":\ "06-Sep- 2022 04:09:21 PM\","SYS_DATE":\ "15-Sep- 2022 03:09:28 PM\","RRN":\ "662461902285\","FRIMI_ID":\ "2222769342\","TXN_AMOUNT":10.0,\ "TXN_CURRENCY_CODE":\ "144\","MOBILE_NO":\ "0770371017\","MERCHANT_FUND_AMOUNT":0.0 ,\ "NTB_COMMISSION":0.15,\ "NET_AMT":9.85,\ "LANKAQRTID":\ "0002\","UNIQUE_TERMINAL_ID":\ " 0000005555556780002\"]] </pre>
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URLs for token generation:

UAT: <https://uatopenapi.nationstrust.com:8243/token/>

Live: <https://coapi.nationstrust.com:8243/token>

2. Transaction Modes

Mode	Transaction type
1	Pay by FriMi Transaction
2	Pay by FriMi reversal
3	Pay by FriMi void
4	Generate static QR
5	Generate dynamic QR
6	Get recent transactions

3. Response Codes

Response Code	Response Description	Description
M00	Success	Success
M01	There is a problem with the input. Let's try it	No request body

	again	
M02	There is a problem with the input. Let's try it again	Missing parameters
M73	Invalid FriMi Account	Invalid FriMi Account
M74	Invalid FriMi Merchant Account	Invalid Merchant ID
M75	MID not allowed	MID not allowed
M77	Duplicate Request Id.	Request ID Duplicate
M86	Time out	User not accept the pay by FriMi transaction
M87	Invalid amount format	Incorrect amount format
M88	Transaction ID Not found	Transaction id not found
M95	Invalid request Id format	Request id start with 0
M99	Sorry, I'm unable to process. Let's try it again	Internal error
M139	Invalid mode	Invalid mode

Live URLs:

4. Field Definitions & Values

Field Name	JASON Object Field	Encrypted	Data Type	Description
Terminal ID	tid {H}	No	8 numbers / Mandatory	Terminal ID. FriMi will provide terminal ID(s) based on the integration type
Request ID	request_id {H}	No	14 numbers / Mandatory / Unique	Format should be <tid><6 digit incremental number> Eg. 12345678000001 6 digit incremental number should get reset daily end of day.
Application ID	app_id {H}	No	Fixed ID / Mandatory	Default value should be 'FriMi'
Module ID	module_id {H}	No	Fixed ID / Mandatory	Default value should be 'QR'
Request Type ID	req_type_id {H}	No	3 numbers / Mandatory	Important: 003 - Dynamic QR generation request 002 - Get transaction details by reference ID 001 - Get last 05 transaction details 004 - Reconciliation details for a given day

Transaction date/time	date_time {H}	No	Datetime / Mandatory	Date time stamp of the transaction initiated at Merchant end. Format should be 'dd-Mon-yyyy 24hh:mi:ss'
Sender ID	sender_id {H}	No		Not used for FriMi services
Merchant ID	mid {B}	Yes	10 numbers / Mandatory	Merchant ID. FriMi will provide Merchant ID
Txn Amount	txn_amount {B}	Yes	Numbers with 2 decimals / Mandatory	Total transaction value (in LKR). This amount should not include any discounts offered at Merchant end for FriMi customers
LankaQR MID	lankaqrmid {B}	Yes	16 numbers	FriMi will provide the Lankaqr MID
LankaQR TID	lankaqrtid {B}	Yes	4 numbers	FriMi will provide the Lankaqr TID
Reference Number	ref_no {B}	Yes	25 alpha numeric / mandatory Unique	QR reference is a unit reference number returned with the QR code. Refer response of request type 003.
Group ID	GroupID {B}	Yes	8 numbers mandatory	FriMi will provide this value.
UNIQUE_TERMINAL_ID	UNIQUE_TERMINAL_ID {B}	Yes	8 numbers mandatory	FriMi will provide this value.
Group ID	GroupID	Yes	20 numbers	Concatenated value of MID & the Lanka QR TID