






**Direct Server API**  
(Version 1.6.6)

Last updated on 15 June 2022



|   | RAZER MERCHANT SERVICES  |
|---|--|
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|   | <p><b>Developer Platforms</b></p> <p> <a href="https://github.com/RazerMerchantServices">https://github.com/RazerMerchantServices</a><br/>           Mobile XDK, seamless and inpage checkout, and many shopping carts<br/>           payment plugin/module/addon/extension are available         </p>   |

## Revision History

| Date       | Version | Author(s)      | Description   |
|------------|---------|----------------|---|
| 17/03/2017 | 1.4.0   | tekjau         | Standardize all channel value to UPPERCASE and identical for both request and response and introduce versioning in URL, with latest version |
| 03/09/2018 | 1.4.1   | Hairi          | Adding subMerchantID parameter for payment partner  |
| 04/11/2018 | 1.4.2   | Hairi          | Adding DirectDebit e-Mandate (DDA)  |
| 13/03/2019 | 1.4.3   | Pik Yin        | Adding TH DTB   |
| 01/07/2019 | 1.4.4   | tekjau         | Adding Razer Cash @ 99 Speedmart  |
| 05/07/2019 | 1.4.5   | tekjau         | Adding Razer Pay (e-wallet for MY/SG)   |
| 28/08/2020 | 1.4.6   | Chen Yaau      | Adding Thailand Credit Card channel.  |
| 16/10/2020 | 1.4.7   | Chen Yaau      | Adding optional parameters userAgent and appDeeplink.   |
| 27/10/2020 | 1.4.8   | Adryn          | Adding Razer Cash TH  |
| 24/11/2020 | 1.4.9   | Khee Chieng    | Adding Razer Cash @ KK Mart   |
| 23/12/2020 | 1.5.0   | Shang Qin      | Updating Malaysia CC channel  |
| 07/01/2021 | 1.5.1   | Chen Yaau      | Adding ShopeePay (e-wallet for MY)  |
| 02/04/2021 | 1.5.2   | Firdaus Shukor | Adding new eNETS integration  |
| 07/04/2021 | 1.5.3   | Firdaus Shukor | Adding FPX Agrobank   |
| 23/07/2021 | 1.5.4   | Huey Fen       | Adding Singapore PayNow   |
| 24/08/2021 | 1.5.5   | TJ             | Replace FQDN with Razer's domain  |
| 27/08/2021 | 1.5.6   | Chen Yaau      | Adding Installment channel details  |
| 28/09/2021 | 1.5.7   | Huey Fen       | Adding UnionPay   |
| 03/11/2021 | 1.5.8   | Firdaus        | Adding Crypto TripleA   |
| 22/11/2021 | 1.5.9   | Suk Wah        | Adding IOU Pay (BNPL)   |
| 14/12/2021 | 1.6.0   | Safwan         | Adding RPP DuitNowand Alipay+   |
| 22/02/2022 | 1.6.1   | Firdaus        | Adding LinePay TH   |

## Cont. Revision History

|            |       |               |  |
|------------|-------|---------------|--|
| 21/04/2022 | 1.6.2 | Adryn         | Adding Direct Card Scheme Channel            |
| 22/04/2022 | 1.6.3 | Azzatul       | Adding Atome, GCash                          |
| 05/05/2022 | 1.6.4 | Choo Yao Song | Adding 9PAY                                  |
| 07/06/2022 | 1.6.5 | CY            | Adding Alipay+ supported wallet, TNG MiniApp |
| 15/06/2022 | 1.6.6 | Firdaus       | Adding DOKU ID                               |

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## Introduction

Direct Server API (previously known as Seamless Payment API) allows merchants to initiate payment requests through post data. Merchant will redirect the customer/user based on the url response back to the merchant site. Merchant will be required to initiate direct status inquiry once user redirects from channel to merchant application.

If a merchant is to obtain credit card data directly from the buyer (not entering on bank or the payment gateway hosted page or URL), then the merchant must be PCI-DSS compliant in order to proceed. Otherwise assessment fee might be imposed by the brands, i.e. Visa or MasterCard.

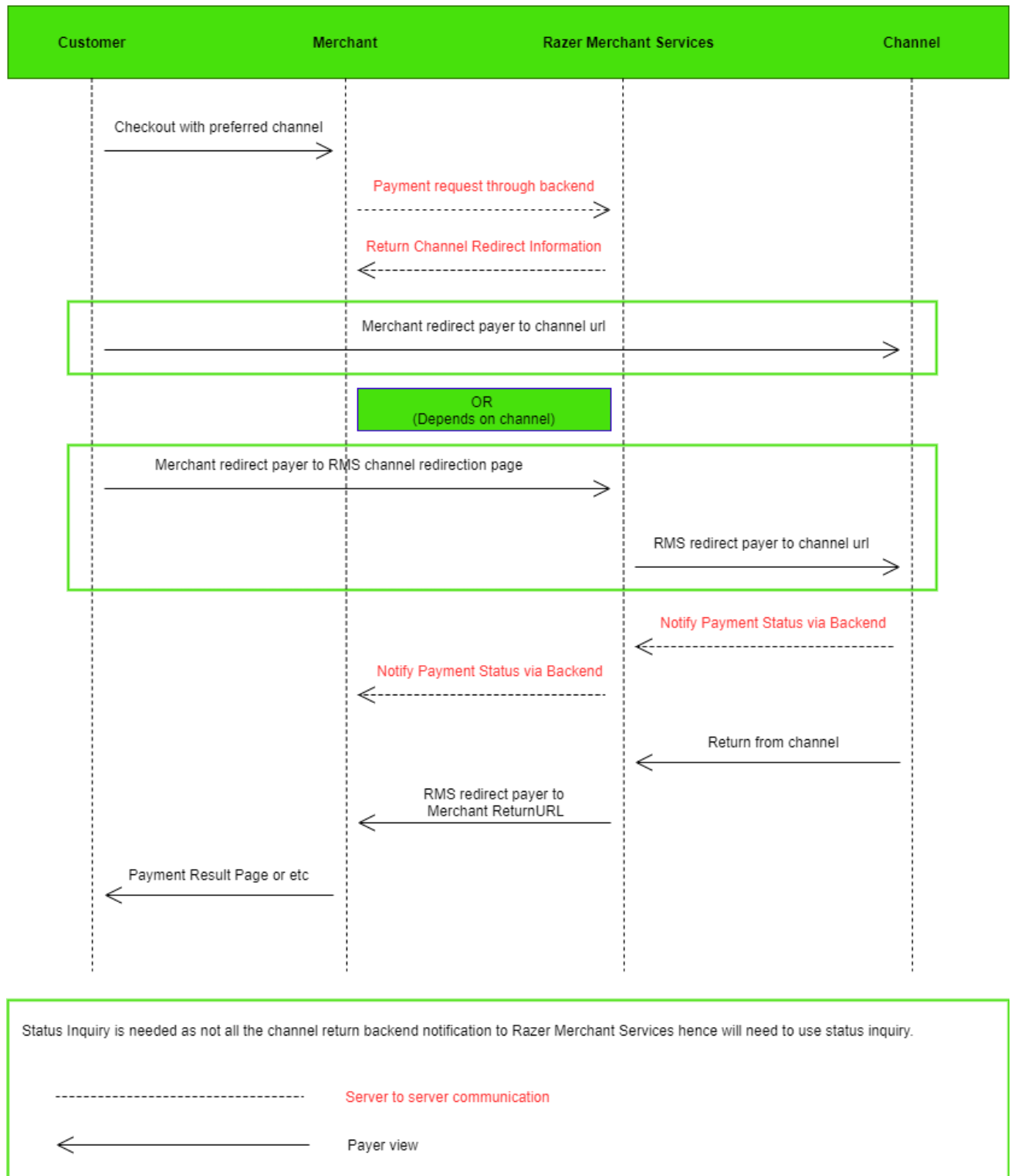
This is a server-to-server call API that merchants or developers will have more control on the checkout experience and need to manage on the frontend user interface. Improper integration might cause higher drop rate on the channel.

The other 2 integration methods are:

- 1) Hosted payment page: implementation guide can be found in official API
- 2) Seamless Integration: it is in between server-to-server request and hosted page, channel page is prompt to the buyer using JavaScript snippet code from GitHub

For payment status notification, payment status query, and other functional API calls, please refer to the official API document.

## Direct Server API Flow



## Payment Request Parameters (Merchant to PG)

Merchant sends HTTPs POST payment request parameter to the payment gateway.

REQUEST URL: <https://pay.merchant.razer.com/RMS/API/Direct/1.4.0/index.php>

or

Latest version <https://pay.merchant.razer.com/RMS/API/Direct/latest/index.php>

| Parameter Name  | Data Type (Size) | M/O/C | Description  |
|-----------------|------------------|-------|--|
| MerchantID      | ans{1..32}       | M     | Merchant ID provided by PG   |
| ReferenceNo     | ans{1..32}       | M     | Merchant Unique Transaction / Order / Billing / Reference No.  |
| TxnType         | a{4}             | M     | SALS<br><b>AUTS</b> (For card payment only, please inform <a href="mailto:support-sa@razer.com">support-sa@razer.com</a> in advanced before starting using pre-auth payment) |
| TxnChannel      | ans{0..30}       | M     | (Refer to Appendix C)  |
| TxnChannelExt   | ans{1..128}      | O     | Parameters that will be sent to channel gateway (Refer to Channel API Spec).<br>Must be in key:value format. Separated by comma (,)<br>Eg: "param1:value1,param2:value2"     |
| TxnCurrency     | a{3}             | M     | ISO4217 currency code, eg. "MYR", "THB", "IDR"   |
| TxnAmount       | ns{10,2}         | M     | Transaction amount or maximum DirectDebit amount eg."1.00", <b>2 decimal points</b> only and comma( , ) is not allowed   |
| CustName        | ans(1..128)      | M     | Customer name.   |
| CustEmail       | ans(1..128)      | M     | Customer email.  |
| CustContact     | ans(1..32)       | M     | Customer contact no.   |
| CustDesc        | ans{1..200}      | M     | Customer/Merchant description. For Taiwan payment channel, please refer to the <b>Guideline for Taiwan channels</b> .  |
| Signature       | ans(1..32)       | M     | md5(TxnAmount.MerchantID.ReferenceNo.Verifykey)  |
| ReturnURL       | ans{1..200}      | O     | Merchant payment response page (message via browser). [Allowed domain only]<br>For mobile flag, use "mobile:/" (for RMS mobile XDK only)                                     |
| NotificationURL | ans{1..200}      | O     | Merchant notification URL endpoint   |
| CallbackURL     | ans{1..200}      | O     | Merchant callback URL endpoint   |
| CC_PAN          | n{15..16}        | O     | For credit-channel only. Credit-card number. (Except CREDITW)  |
| CC_CVV2         | n{3..4}          | O     | For credit-channel only. Credit-card CVV (Except CREDITW)  |
| CC_MONTH        | n{2}             | O     | For credit-channel only. Valid Month (Except CREDITW)  |
| CC_YEAR         | n{4}             | O     | For credit-channel only. Valid Year (Except CREDITW)   |



|                |             |   |  |
|----------------|-------------|---|--|
| CC_TOKEN       | n{16}       | O | Token for credit card  |
| Method         | a{1..10}    | O | Display mode: mobile, web  |
| non_3DS        | n{1}        | C | Applicable to card processing via specific processor using specific currency for pre-approved partner only.<br>Equal to 0 by default and 1 for non-3DS transaction   |
| subMerchantID  | ans{1..32}  | C | Sub-merchant ID provided by PG   |
| is_DDA         | n{1}        | C | Indicator for DirectDebit e-Mandate transaction. Valid values are:-<br><br>0 : Normal transaction (default)<br>1 : DirectDebit enrollment transaction (e-Mandate or DDA)<br>2 : DirectDebit modification transaction (e-Mandate or DDA)<br>3 : DirectDebit termination transaction (e-Mandate or DDA)<br><br>Token upon successful enrollment is expected to be available on next working day, usually after 1000HRS via Callback URL.<br>Please send in the maximum authorized amount for future debit instruction during enrollment via TxnAmount. |
| BuyerIDNumber  | an{20}      | C | Buyer ID number (i.e. NRIC/Passport number) without special character. Please send together with BuyerIDType. Mandatory for DirectDebit e-Mandate (DDA or the enrollment transaction)  |
| BuyerIDType    | n{1}        | C | ID identifier type of a buyer (i.e. NRIC/Passport No) or organization. Mandatory for DirectDebit e-Mandate (DDA or the enrollment transaction). Valid values are:-<br><br>1 : New IC Number<br>2 : Old IC Number<br>3 : Passport Number<br>4 : Business Registration   |
| split_info     | ans{1..200} | C | Used for "Alipay Split Payment". Values with pipe (   ) as data delimiter and comma ( , ) as recipient separator as the format shown below without '<' and '>':-<br><Alipay_userID> <amount> <currency> <description>,<br><Alipay_userID> <amount> <currency> <description>  |
| CashWaittime   | n{1..2}     | O | For cash payment only. To specify the transaction timeout, this will overwrite the default cash timeout setting.<br><br>Eg. 12 [HOUR]  |
| UserAgent      | ans{1..200} | O | Developers may pass in the HTTP header User-Agent string from the client. This will help optimize the e-wallet In-App payment experience.  |
| AppDeepink     | ans{1..128} | O | Mobile deeplink/universal link that allows e-wallet In-App payment   |
| mpstokenstatus | n{1}        | C | A token status for PG to identify.<br><br>1 : Request for new token<br>2 : Passing an existing token   |
| InstallMonth   | n{1..2}     | O | Total month of installment.<br>E.g: 0, 3, 6, 12, 24  |

## TxnChannelExt

| Channel   | Key  | Value   | Description  | Example                   |
|-----------|------|---|--|---------------------------|
| DRAGONPAY | mode | <b>1</b> - OnlineBanking<br><b>2</b> - OTC & ATM<br><b>4</b> - OTC non-bank<br><b>8</b> - E-Wallets<br><b>32</b> - Paypal<br><b>64</b> - Credit Cards<br><b>128</b> - GCash<br><b>256</b> - Int'l OTC<br><b>512</b> - Bancnet<br><b>1024</b> - Auto-Debit<br><b>2048</b> - Cash-on-Delivery | Only show specific categories at Dragonpay hosted payment page. Values can be OR-ed to combine the effect. | mode:3 (means 1 OR 2 = 3) |
| ENETS-D   |      | <b>30</b> - DBS Bank<br><b>31</b> - United Overseas Bank<br><b>32</b> - CITI Bank<br><b>120</b> - OCBC Bank<br><b>123</b> - Standard Chartered Bank   | Additional Parameter for ENETS-D channel redirect to preferred bank page.                                  |                           |

## Payment Response Parameters (PG to Merchant)

Payment gateway will return a response in json format to the merchant. Please take note that this is NOT the payment status result.

| No | Field Name   | Data Type (Size) | M/O/C | Description   |
|----|--------------|------------------|-------|---|
| 1. | MerchantID   | ans{1..32}       | M     | Merchant ID provided by PG                                    |
| 2. | ReferenceNo  | ans{1..32}       | M     | Merchant Unique Transaction / Order / Billing / Reference No. |
| 3. | TxnType      | a{4}             | M     | SALS or AUTS  |
| 3. | TxnID        | ans{1..100}      | M     | PG Transaction ID.  |
| 4. | TxnChannel   | ans{0..30}       | M     | Channel (Refer to Appendix B for channel)                     |
| 5. | TxnCurrency  | a{3}             | M     | ISO4217 currency code, eg. "MYR", "THB", "IDR"                |
| 6. | TxnAmount    | ns{10,2}         | M     | Transaction amount eg."1.00", always <b>2 decimal points</b>  |
| 7. | TxnData      | array            | M     | Refer to TxnData below.                                       |
| 8. | payTxnID     | n{7}             | C     | Truncated TxnID applicable for 7-eleven only.                 |
| 9. | param_extend |                  | C     | Only appears when using VTC-Pay                               |

### TxnData

| No | Field Name           | Data Type (Size) | M/O/C | Description  |
|----|----------------------|------------------|-------|--|
| 1  | <u>RequestURL</u>    | ans{1..255}      | M     | URL to be <b>REDIRECT</b> or <b>POPUP</b>                |
| 2  | <u>RequestMethod</u> | a{3..4}          | M     | Action method [ <b>GET/POST</b> ]                        |
| 3  | <u>RequestType</u>   | a{5..8}          | M     | Recommended action<br>[ <b>REDIRECT/POPUP/RESPONSE</b> ] |
| 4  | <u>RequestData</u>   | array            | M     | Data to be submitted to the <u>RequestURL</u>            |

Note: RequestType **RESPONSE** is the final result of that payment and no further action required.

Refer below for sample response TxnData.

# SAMPLE - Payment Response

The screenshot displays the Postman interface with a POST request to `https://www.onlinepayment.com.my/MOLPay/API/seamlesspaymentIndex.php`. The request is configured with the following form data:

| Key         | Value                          |
|-------------|--------------------------------|
| MerchantID  | MOLPayRND                      |
| ReferenceNo | DEMO123                        |
| TxnChannel  | cimb                           |
| TxnCurrency | MYR                            |
| TxnAmount   | 100.00                         |
| Signature   | fcb25388941d83ddeb3ce0315f0853 |
| TxnType     | SALS                           |

The response is a JSON object with the following structure:

```
1 {
2   "MerchantID": "MOLPayRND",
3   "ReferenceNo": "DEMO123",
4   "TxnID": "4920269",
5   "TxnType": "SALS",
6   "TxnCurrency": "MYR",
7   "TxnAmount": "100.00",
8   "TxnChannel": "cimb",
9   "TxnData": {
10    "RequestURL": "https://www.cimbclicks.com.my/TIRSPWeb/ePayment.do",
11    "RequestMethod": "POST",
12    "RequestType": "REDIRECT",
13    "RequestData": {
14      "payeeId": "TBNOLPAYEPAY",
15      "amount": "100.00",
16      "billAccountNo": "4920269",
17      "billReferenceNo": "DEMO123",
18      "billReference2": "5a6d5906",
19      "billRef3": "",
20      "billRef4": "",
21      "payeeResponseURL": "https://www.onlinepayment.com.my/MOLPay/cimb/return_cimb.php"
22    }
23  }
24 }
```

## ERROR CODES

Please refer to API Spec for Merchant (section ERROR CODES)

## Payment Status Notification

Please refer to the same section name in the official API document. Merchants will need to implement at least 2 endpoints (*notification URL* and *callback URL*, both with **IPN** or ACK function). Tokenized card/DDA data will be returned in **extraP** parameter.

**WARNING:** Please note that multiple payment notifications (either from *return URL*, *notification URL* or *callback URL*) for a single transaction is possible but this does not mean that the buyer has paid twice or multiple times.

## Appendix A : Data Type Details

| No | Code   | Description                   |
|----|--------|-------------------------------|
| 1  | a      | Letter, A-Za-z                |
| 2  | n      | Numbers, 0-9                  |
| 3  | s      | Symbols and space, .: ?*,!&_- |
| 4  | {x}    | Fixed length x                |
| 5  | {y..x} | Length range: y – x           |
| 6  | {y,x}  | Number range: 0-9. 0-9        |
| 7  | array  | JSON array                    |

## Appendix B : M/O Details

| No | Code | Description        |
|----|------|--------------------|
| 1  | M    | Mandatory field.   |
| 2  | O    | Optional field.    |
| 3  | C    | Conditional field. |

## Appendix C: Channel Details

| Country, Currency, Type                           |                             |                   |               |                        |            |
|---|-----------------------------|-------------------|---------------|------------------------|------------|
| Channel   | Value of request & response | Display Name      | RequestMethod | Rcommended RequestType | Min Amount |
| <b>MY, MYR, CC (TxnType: SALS, AUTS)</b>          |                             |                   |               |                        |            |
| Card  | CREDITZ                     | Visa/MasterCard   | POST          | REDIRECT               | > 1.00     |
| Card  | CREDITAN                    | Visa/MasterCard   | POST          | REDIRECT               | > 1.00     |
| <b>Worldwide, SGD/MYR/HKD, CC (TxnType: SALS)</b> |                             |                   |               |                        |            |
| Card  | CREDIT7                     | Visa/MasterCard   | POST          | REDIRECT               | > 1.00     |
| <b>Worldwide, THB,USD, CC (TxnType: SALS)</b>     |                             |                   |               |                        |            |
| Card  | CREDITW                     | Visa/MasterCard   | POST          | REDIRECT               | > 1.00     |
| <b>MY/SG, MYR/SGD, EW</b>                         |                             |                   |               |                        |            |
| Razer Pay   | RAZERPAY                    | Razer Pay         | POST          | REDIRECT               | > 1.00     |
| Alipay+   | ALIPAYPLUS                  | Alipay+           | POST          | REDIRECT               | > 1.00     |
| Alipay+ AlipayCN                                  | ALIPAYPLUS_ALIPAY_CN        | Alipay+ AlipayCN  | POST          | REDIRECT               | > 1.00     |
| Alipay+ AlipayHK                                  | ALIPAYPLUS_ALIPAY_HK        | Alipay+ AlipayHK  | POST          | REDIRECT               | > 1.00     |
| Alipay+ Bkash                                     | ALIPAYPLUS_BKASH            | Alipay+ Bkash     | POST          | REDIRECT               | > 1.00     |
| Alipay+ DANA                                      | ALIPAYPLUS_DANA             | Alipay+ DANA      | POST          | REDIRECT               | > 1.00     |
| Alipay+ Easypaisa                                 | ALIPAYPLUS_EASYPASPAISA     | Alipay+ Easypaisa | POST          | REDIRECT               | > 1.00     |
| Alipay+ GCash                                     | ALIPAYPLUS_GCASH            | Alipay+ GCash     | POST          | REDIRECT               | > 1.00     |
| Alipay+ Kakaopay                                  | ALIPAYPLUS_KAKAOPAY         | Alipay+ Kakaopay  | POST          | REDIRECT               | > 1.00     |
| Alipay+ TNG                                       | ALIPAYPLUS_TNG              | Alipay+ TNG       | POST          | REDIRECT               | > 1.00     |
| Alipay+ Truemoney                                 | ALIPAYPLUS_TRUE MONEY       | Alipay+ Truemoney | POST          | REDIRECT               | > 1.00     |
| <b>MY, MYR, EW</b>                                |                             |                   |               |                        |            |
| Bcard Points                                      | POINT-BCARD                 | BCARD             | POST          | REDIRECT               | > 1.00     |
| Boost   | BOOST                       | Boost             | GET           | REDIRECT               | > 1.00     |



|  |                 |                        |      |          |        |
|--|-----------------|------------------------|------|----------|--------|
| TNG Ewallet  | TNG-EWALLET     | Touch'n Go eWallet     | GET  | REDIRECT | > 1.00 |
| GrabPay  | GRABPAY         | GrabPay                | GET  | REDIRECT | > 1.00 |
| Maybank QRPAY  | MB2U_QRPAY-PUSH | Maybank QRPAY          | POST | REDIRECT | > 1.00 |
| WeChat Pay MY  | WECHATPAYMY     | WeChat Pay MY          | POST | REDIRECT | > 1.00 |
| ShopeePay  | SHOPEEPAY       | ShopeePay              | POST | REDIRECT | > 1.00 |
| TNG MiniApp  | TNG_MINIAPP     | TNG MiniApp            | POST | REDIRECT | > 1.00 |
| <b>MY/SG/ID/TH/VN/PH/CN, MYR/SGD/IDR/THB/VND/PHP/CNY, EW</b> |                 |                        |      |          |        |
| Razer Gold   | MOLPOINTS       | Razer Gold             | GET  | REDIRECT | > 1.00 |
| <b>MY/SG/CN, MYR/SGD/USD/RMB/CNY, EW</b>                     |                 |                        |      |          |        |
| Alipay   | ALIPAY          | Alipay                 | GET  | POPUP    | > 1.00 |
| WeChat Pay   | WECHATPAY       | WeChat Pay             | POST | REDIRECT | > 1.00 |
| UnionPay   | GUPOP           | UnionPay               | POST | REDIRECT | > 1.00 |
| <b>MY, MYR, IB</b>   |                 |                        |      |          |        |
| FPX Maybank  | FPX_MB2U        | Maybank2u              | POST | REDIRECT | > 1.00 |
| FPX CIMB   | FPX_CIMBCLICKS  | CIMB Clicks            | POST | REDIRECT | > 1.00 |
| FPX AMB  | FPX_AMB         | Am Online              | POST | REDIRECT | > 1.00 |
| FPX HLB  | FPX_HLB         | HLB Connect            | POST | REDIRECT | > 1.00 |
| FPX PBB  | FPX_PBB         | PBeBank                | POST | REDIRECT | > 1.00 |
| FPX RHB  | FPX_RHB         | RHB Now                | POST | REDIRECT | > 1.00 |
| FPX BIMB   | FPX_BIMB        | Bank Islam             | POST | REDIRECT | > 1.00 |
| FPX OCBC   | FPX_OCBC        | OCBC Bank              | POST | REDIRECT | > 1.00 |
| FPX SCB  | FPX_SCB         | Stand Chart Bank       | POST | REDIRECT | > 1.00 |
| FPX_ABB  | FPX_ABB         | Affin Bank             | POST | REDIRECT | > 1.00 |
| FPX_UOB  | FPX_UOB         | UOB Bank               | POST | REDIRECT | > 1.00 |
| FPX_ABMB   | FPX_ABMB        | Alliance Bank          | POST | REDIRECT | > 1.00 |
| FPX_BSN  | FPX_BSN         | Bank Simpanan Nasional | POST | REDIRECT | > 1.00 |
| FPX_KFH  | FPX_KFH         | Kuwait Finance House   | POST | REDIRECT | > 1.00 |
| FPX_BMMB   | FPX_BMMB        | Bank Muamalat          | POST | REDIRECT | >1.00  |

|                    |                    |                                      |      |          |        |
|--------------------|--------------------|--------------------------------------|------|----------|--------|
| FPX_BKRM           | FPX_BKRM           | Bank Rakyat                          | POST | REDIRECT | >1.00  |
| FPX_HSBC           | FPX_HSBC           | HSBC Bank                            | POST | REDIRECT | > 1.00 |
| FPX_AGROBANK       | FPX_AGROBANK       | Agrobank                             | POST | REDIRECT | > 1.00 |
| RPP_DuitNowQR      | RPP_DUITNOWQR      | DuitNow QR                           | POST | REDIRECT | > 1.00 |
| RPP_RTP_ABB        | RPP_RTP_ABB        | DuitNow OBW - Affin Bank             | POST | REDIRECT | > 1.00 |
| RPP_RTP_ABMB       | RPP_RTP_ABMB       | DuitNow OBW - Alliance Bank          | POST | REDIRECT | > 1.00 |
| RPP_RTP_AGROBANK   | RPP_RTP_AGROBANK   | DuitNow OBW - Agrobank               | POST | REDIRECT | > 1.00 |
| RPP_RTP_AMB        | RPP_RTP_AMB        | DuitNow OBW - AmBank                 | POST | REDIRECT | > 1.00 |
| RPP_RTP_CIMBCLICKS | RPP_RTP_CIMBCLICKS | DuitNow OBW - CIMB Bank              | POST | REDIRECT | > 1.00 |
| RPP_RTP_BIMB       | RPP_RTP_BIMB       | DuitNow OBW - Bank Islam             | POST | REDIRECT | > 1.00 |
| RPP_RTP_BKRM       | RPP_RTP_BKRM       | DuitNow OBW - Bank Rakyat            | POST | REDIRECT | > 1.00 |
| RPP_RTP_BMMB       | RPP_RTP_BMMB       | DuitNow OBW - Bank Muamalat          | POST | REDIRECT | > 1.00 |
| RPP_RTP_BSN        | RPP_RTP_BSN        | DuitNow OBW - Bank Simpanan Nasional | POST | REDIRECT | > 1.00 |
| RPP_RTP_HLB        | RPP_RTP_HLB        | DuitNow OBW - Hong Leong             | POST | REDIRECT | > 1.00 |
| RPP_RTP_HSBC       | RPP_RTP_HSBC       | DuitNow OBW - HSBC Bank              | POST | REDIRECT | > 1.00 |
| RPP_RTP_KFH        | RPP_RTP_KFH        | DuitNow OBW - Kuwait Finance House   | POST | REDIRECT | > 1.00 |
| RPP_RTP_MB2U       | RPP_RTP_MB2U       | DuitNow OBW - Maybank                | POST | REDIRECT | > 1.00 |
| RPP_RTP_OCBC       | RPP_RTP_OCBC       | DuitNow OBW - OCBC                   | POST | REDIRECT | > 1.00 |
| RPP_RTP_PBB        | RPP_RTP_PBB        | DuitNow OBW - Public Bank            | POST | REDIRECT | > 1.00 |
| RPP_RTP_RHB        | RPP_RTP_RHB        | DuitNow OBW - RHB Bank               | POST | REDIRECT | > 1.00 |
| RPP_RTP_SCB        | RPP_RTP_SCB        | DuitNow OBW - Standard Chartered     | POST | REDIRECT | > 1.00 |

|                          |                  |                                    |      |          |        |
|--------------------------|------------------|------------------------------------|------|----------|--------|
| RPP_RTP_UOB              | RPP_RTP_UOB      | DuitNow OBW - United Overseas Bank | POST | REDIRECT | > 1.00 |
| Maybank2E (B2B)          | FPX_M2E          | Maybank2E (B2B)                    | POST | REDIRECT | > 1.00 |
| FPX B2B                  | FPX_B2B          | FPX B2B                            | POST | REDIRECT | > 2.00 |
| Affin Bank (B2B)         | FPX_B2B_ABB      | Affin Bank (B2B)                   | POST | REDIRECT | > 2.00 |
| Alliance Bank (B2B)      | FPX_B2B_ABMB     | Alliance Bank (B2B)                | POST | REDIRECT | > 2.00 |
| AmBank (B2B)             | FPX_B2B_AMB      | AmBank (B2B)                       | POST | REDIRECT | > 2.00 |
| Bank Islam (B2B)         | FPX_B2B_BIMB     | Bank Islam (B2B)                   | POST | REDIRECT | > 2.00 |
| Bank Muamalat (B2B)      | FPX_B2B_BMMB     | Bank Muamalat (B2B)                | POST | REDIRECT | > 2.00 |
| CIMB Bank (B2B)          | FPX_B2B_CIMB     | CIMB Bank (B2B)                    | POST | REDIRECT | > 2.00 |
| Deutsche Bank (B2B)      | FPX_B2B_DEUTSCHE | Deutsche Bank (B2B)                | POST | REDIRECT | > 2.00 |
| HLB (B2B)                | FPX_B2B_HLB      | HLB (B2B)                          | POST | REDIRECT | > 2.00 |
| HSBC (B2B)               | FPX_B2B_HSBC     | HSBC (B2B)                         | POST | REDIRECT | > 2.00 |
| KFH (B2B)                | FPX_B2B_KFH      | KFH (B2B)                          | POST | REDIRECT | > 2.00 |
| OCBC Bank (B2B)          | FPX_B2B_OCBC     | OCBC Bank (B2B)                    | POST | REDIRECT | > 2.00 |
| Public Bank (B2B)        | FPX_B2B_PBB      | Public Bank (B2B)                  | POST | REDIRECT | > 2.00 |
| RHB Bank (B2B)           | FPX_B2B_RHB      | RHB Bank (B2B)                     | POST | REDIRECT | > 2.00 |
| Standard Chartered (B2B) | FPX_B2B_SCB      | Standard Chartered (B2B)           | POST | REDIRECT | > 2.00 |
| UOB Bank (B2B)           | FPX_B2B_UOB      | UOB Bank (B2B)                     | POST | REDIRECT | > 2.00 |
| BNP Paribas Bank (B2B)   | FPX_B2B_BNP      | BNP Paribas Bank (B2B)             | POST | REDIRECT | > 2.00 |
| Agrobank (B2B)           | FPX_B2B_AGROBANK | Agrobank (B2B)                     | POST | REDIRECT | > 2.00 |
| AffinMax (B2B)           | FPX_B2B_ABBM     | AffinMax (B2B)                     | POST | REDIRECT | > 2.00 |

|                                 |                  |                              |      |          |        |
|---------------------------------|------------------|------------------------------|------|----------|--------|
| Citibank (B2B)                  | FPX_B2B_CITIBANK | Citibank (B2B)               | POST | REDIRECT | > 2.00 |
| i-bizRAKYAT (B2B)               | FPX_B2B_BKRM     | i-bizRAKYAT (B2B)            | POST | REDIRECT | > 2.00 |
| Public Bank Enterprise (B2B)    | FPX_B2B_PBBE     | Public Bank Enterprise (B2B) | POST | REDIRECT | > 2.00 |
| UOB Regional (B2B)              | FPX_B2B_UOBR     | UOB Regional (B2B)           | POST | REDIRECT | > 2.00 |
| Maybank                         | MB2U             | Maybank2u                    | GET  | POPUP    | > 1.00 |
| CIMB Bank                       | CIMB-CLICKS      | CIMB Clicks                  | POST | POPUP    | > 1.00 |
| RHB Bank                        | RHB-ONL          | RHB Now                      | POST | POPUP    | > 1.00 |
| HLB Bank                        | HLB-ONL          | HLB Connect                  | POST | POPUP    | > 1.00 |
| AmBank                          | AMB-W2W          | Am Online                    | GET  | POPUP    | > 1.00 |
| Affin Bank                      | AFFIN-EPG        | Affin Online                 | POST | POPUP    | > 2.00 |
| Public Bank                     | PUBLICBANK       | PBeBank                      | POST | POPUP    | > 1.00 |
| Bank Islam                      | BANKISLAM        | Bank Islam                   | POST | POPUP    | > 1.00 |
| FPX e-Mandate                   | FPX_EMANDATE     | FPX_EMANDATE                 | POST | REDIRECT | > 1.00 |
| FPX e-Mandate                   | FPX_EMANDATE_ABB | FPX_EMANDATE_A BB            | POST | REDIRECT | > 1.00 |
| <b>MY, MYR, OTC</b>             |                  |                              |      |          |        |
| 7-eleven                        | CASH-711         | <b>Razer Cash</b> @ 7E       | POST | REDIRECT | > 1.00 |
| 99Speedmart                     | CASH-99          | <b>Razer Cash</b> @ 99       | POST | REDIRECT | > 1.00 |
| KK Mart                         | CASH-KK          | <b>Razer Cash</b> @ KK       | POST | REDIRECT | > 1.00 |
| Petronas epay                   | CASH-EPAY        | e-Pay                        | POST | REDIRECT | > 1.00 |
| CIMB Virtual Acc.               | CIMB-VA          | CIMB Virtual Account         | POST | REDIRECT | > 1.00 |
| <b>MY, MYR, INSTALLMENT, CC</b> |                  |                              |      |          |        |
| Ambank-eBP G (Payment Direct)   | CREDIT8          | Visa/MasterCard              | POST | REDIRECT | > 1.00 |
| Ambank-eBP G (Payment Window)   | AMBANK-eBPG-PW   | Visa/MasterCard              | POST | REDIRECT | > 1.00 |
| HSBC-MIGS                       | HSBC-MIGS-PW     | Visa/MasterCard              | POST | REDIRECT | > 1.00 |

|                                   |                    |                            |      |          |         |
|-----------------------------------|--------------------|----------------------------|------|----------|---------|
| (Payment Window)                  |                    |                            |      |          |         |
| SCB-MIGS (Payment Window)         | SCB-MIGS-PW        | Visa/MasterCard            | POST | REDIRECT | > 1.00  |
| <b>MY, MYR, BUY NOW PAY LATER</b> |                    |                            |      |          |         |
| IOUPay                            | IOUPAY-PW          | Visa/MasterCard            | POST | REDIRECT | > 1.00  |
| <b>TH, THB, IB</b>                |                    |                            |      |          |         |
| BAY (fees on buyer)               | BAY_IB_U           | Bank of Ayudhya (Krungsri) | POST | REDIRECT | > 1.00  |
| BBL                               | BBL_IB             | Bangkok Bank               | POST | POPUP    | > 1.00  |
| BBL (fees on buyer)               | BBL_IB_U           | Bangkok Bank               | POST | POPUP    | > 1.00  |
| KTB                               | KTB_IB             | Krung Thai Bank            | POST | REDIRECT | > 1.00  |
| KTB (fees on buyer)               | KTB_IB_U           | Krung Thai Bank            | POST | REDIRECT | > 1.00  |
| SCB Bank via OMISE                | OMISE_SCB          | The Siam Commercial Bank   | GET  | REDIRECT | > 20.00 |
| KTB Bank via OMISE                | OMISE_KTB          | Krung Thai Bank            | GET  | REDIRECT | > 20.00 |
| BBL Bank via OMISE                | OMISE_BBL          | Bangkok Bank               | GET  | REDIRECT | > 20.00 |
| BAY Bank via OMISE                | OMISE_BAY          | Krungsri Bank              | GET  | REDIRECT | > 20.00 |
| Kasikornbank (fees on buyer)      | KBANK_PAYPLUS      | Kasikornbank PAYPLUS       | POST | REDIRECT | > 1.00  |
| SCB Bank (fees on buyer)          | SCB_IB_U           | Siam Commercial Bank       | POST | REDIRECT | > 1.00  |
| Prompt Pay (QR presented)         | KBANK_THQR_PAYMENT | Prompt Pay (QR presented)  | POST | REDIRECT | > 1.00  |
| <b>TH, THB, OTC</b>               |                    |                            |      |          |         |
| Tesco Lotus & Big Central         | CASH-TH            | Razer Cash                 | POST | POPUP    | > 1.00  |
| <b>TH, THB, EW</b>                |                    |                            |      |          |         |
| LinePay                           | LinePay            | LinePay                    | POST | REDIRECT | > 0.01  |
| <b>ID, IDR, ATM</b>               |                    |                            |      |          |         |

|                              |              |                           |      |          |            |
|------------------------------|--------------|---------------------------|------|----------|------------|
| Indonesia ATM                | ATMVA        | ALTO , Prima, ATM Bersama | POST | POPUP    | > 10000.00 |
| <b>PH, PHP, IB &amp; OTC</b> |              |                           |      |          |            |
| Dragonpay                    | DRAGONPAY    | Dragonpay                 | GET  | REDIRECT | > 50.00    |
| BayD Center                  | DP_PAYD      | DP_PAYD                   | GET  | REDIRECT | > 50.00    |
| Bitcoins                     | DP_BITC      | DP_BITC                   | GET  | REDIRECT | > 50.00    |
| Credit Card                  | DP_CC        | DP_CC                     | GET  | REDIRECT | > 50.00    |
| Cebuana Lhuillier            | DP_CEBL      | DP_CEBL                   | GET  | REDIRECT | > 50.00    |
| UnionPay                     | DP_CUP       | DP_CUP                    | GET  | REDIRECT | > 50.00    |
| Prepaid Credit               | DP_DPAY      | DP_DPAY                   | GET  | REDIRECT | > 50.00    |
| ECPay                        | DP_ECPY      | DP_ECPY                   | GET  | REDIRECT | > 50.00    |
| Globe Gcash                  | DP_GCSH      | DP_GCSH                   | GET  | REDIRECT | > 50.00    |
| LBC                          | DP_LBC       | DP_LBC                    | GET  | REDIRECT | > 50.00    |
| PayPal                       | DP_PYPL      | DP_PYPL                   | GET  | REDIRECT | > 50.00    |
| M. Lhuillier                 | DP_MLH       | DP_MLH                    | GET  | REDIRECT | > 50.00    |
| Robinson Dept Store          | DP_RDS       | DP_RDS                    | GET  | REDIRECT | > 50.00    |
| SM Payment                   | DP_SMR       | DP_SMR                    | GET  | REDIRECT | > 50.00    |
| Razer Cash                   | CASH-PH      | <b>Razer Cash</b>         | POST | REDIRECT | > 100.00   |
| GCash                        | GCash        | GCash                     | POST | REDIRECT | >0.01      |
| <b>SG, SGD, IB</b>           |              |                           |      |          |            |
| eNETS                        | ENETS-D      | SG eNETS                  | POST | REDIRECT | > 5.00     |
| eNETS DBS                    | ENETS-D_DB   | SG eNETS DBS              | POST | REDIRECT | > 5.00     |
| eNETS UOB                    | ENETS-D_UOB  | SG eNETS UOB              | POST | REDIRECT | > 5.00     |
| eNETS OCBC                   | ENETS-D_OCBC | SG eNETS OCBC             | POST | REDIRECT | > 5.00     |
| eNETS SCB                    | ENETS-D_SCB  | SG eNETS SCB              | POST | REDIRECT | > 5.00     |
| PayNow                       | PAYNOW       | PAYNOW                    | POST | REDIRECT | > 1.00     |
| <b>SG, SGD, OTC</b>          |              |                           |      |          |            |
| SAM Kiosk                    | CASH-SAM     | SingPost SAM              | POST | REDIRECT | > 5.00     |
| AXS Kiosk                    | AXS          | AXS                       | POST | REDIRECT | > 5.00     |

| SG, SGD/USD/MYR, EW        |                      |                |      |          |           |
|----------------------------|----------------------|----------------|------|----------|-----------|
| Crypto TripleA             | CRYPTO_TRIPLEA       | Crypto TripleA | POST | REDIRECT | -         |
| SG, SGD/MYR/PHP/THB        |                      |                |      |          |           |
| Atome                      | Atome                | Atome          | POST | REDIRECT | >10.00    |
| VN, VND, IB                |                      |                |      |          |           |
| Nganluong                  | NGANLUONG            | Nganluong      | GET  | REDIRECT | > 2000.00 |
| VTC-Pay EW                 | VTCP_EW              | VTC-Pay        | GET  | REDIRECT | > 1000.00 |
| VTC-Pay EW & Bank          | VTCP_EWB             | VTC-Pay        | GET  | REDIRECT | > 1000.00 |
| VTC-Pay EW & Credit Card   | VTCP_EWC             | VTC-Pay        | GET  | REDIRECT | > 1000.00 |
| VTC-Pay Banks              | VTCP_B               | VTC-Pay        | GET  | REDIRECT | > 1000.00 |
| VTC-Pay Credit Card        | VTCP_CC              | VTC-Pay        | GET  | REDIRECT | > 1000.00 |
| VTC-Pay Bank & Credit Card | VTCP_BC              | VTC-Pay        | GET  | REDIRECT | > 1000.00 |
| VTC-Pay Vietcombank        | VTCP_VIETCOMBAN<br>K | VTC-Pay        | GET  | REDIRECT | > 1000.00 |
| VTC-Pay Techcombank        | VTCP_TECHCOMBA<br>NK | VTC-Pay        | GET  | REDIRECT | > 1000.00 |
| VTC-Pay MB                 | VTCP_MB              | VTC-Pay        | GET  | REDIRECT | > 1000.00 |
| VTC-Pay Vietinbank         | VTCP_VIETINBANK      | VTC-Pay        | GET  | REDIRECT | > 1000.00 |
| VTC-Pay Agribank           | VTCP_AGRIBANK        | VTC-Pay        | GET  | REDIRECT | > 1000.00 |
| VTC-Pay DongABank          | VTCP_DONGABANK       | VTC-Pay        | GET  | REDIRECT | > 1000.00 |
| VTC-Pay Oceanbank          | VTCP_OCEANBANK       | VTC-Pay        | GET  | REDIRECT | > 1000.00 |
| VTC-Pay BIDV               | VTCP_BIDV            | VTC-Pay        | GET  | REDIRECT | > 1000.00 |
| VTC-Pay SHB                | VTCP_SHB             | VTC-Pay        | GET  | REDIRECT | > 1000.00 |
| VTC-Pay VIB                | VTCP_VIB             | VTC-Pay        | GET  | REDIRECT | > 1000.00 |

|                                 |                    |              |     |          |           |
|---------------------------------|--------------------|--------------|-----|----------|-----------|
| VTC-Pay<br>MaritimeBank         | VTCP_MARITIMEBANK  | VTC-Pay      | GET | REDIRECT | > 1000.00 |
| VTC-Pay<br>Eximbank             | VTCP_EXIMBANK      | VTC-Pay      | GET | REDIRECT | > 1000.00 |
| VTC-Pay<br>ACB                  | VTCP_ACB           | VTC-Pay      | GET | REDIRECT | > 1000.00 |
| VTC-Pay<br>HDBank               | VTCP_HDBANK        | VTC-Pay      | GET | REDIRECT | > 1000.00 |
| VTC-Pay<br>NamABank             | VTCP_NAMABANK      | VTC-Pay      | GET | REDIRECT | > 1000.00 |
| VTC-Pay<br>SaigonBank           | VTCP-SAIGONBANK    | VTC-Pay      | GET | REDIRECT | > 1000.00 |
| VTC-Pay<br>Sacombank            | VTCP_SACOMBANK     | VTC-Pay      | GET | REDIRECT | > 1000.00 |
| VTC-Pay<br>VietABank            | VTCP_VIETABANK     | VTC-Pay      | GET | REDIRECT | > 1000.00 |
| VTC-Pay<br>VPBank               | VTCP_VPBANK        | VTC-Pay      | GET | REDIRECT | > 1000.00 |
| VTC-Pay<br>TienPhongBank        | VTCP_TIENPHONGBANK | VTC-Pay      | GET | REDIRECT | > 1000.00 |
| VTC-Pay<br>SeaABank             | VTCP_SEAABANK      | VTC-Pay      | GET | REDIRECT | > 1000.00 |
| VTC-Pay<br>PGBank               | VTCP_PGBANK        | VTC-Pay      | GET | REDIRECT | > 1000.00 |
| VTC-Pay<br>Navibank             | VTCP_NAVIBANK      | VTC-Pay      | GET | REDIRECT | > 1000.00 |
| VTC-Pay<br>GPBank               | VTCP_GPBANK        | VTC-Pay      | GET | REDIRECT | > 1000.00 |
| VTC-Pay<br>BACABANK             | VTCP_BACABANK      | VTC-Pay      | GET | REDIRECT | > 1000.00 |
| VTC-Pay<br>PHUONGDONG           | VTCP_PHUONGDONG    | VTC-Pay      | GET | REDIRECT | > 1000.00 |
| VTC-Pay<br>ABBANK               | VTCP_ABBANK        | VTC-Pay      | GET | REDIRECT | > 1000.00 |
| VTC-Pay<br>LienVietPost<br>Bank | VTCP_LVPB          | VTC-Pay      | GET | REDIRECT | > 1000.00 |
| VTC-Pay<br>BVB                  | VTCP_BVB           | VTC-Pay      | GET | REDIRECT | > 1000.00 |
| 9PAY                            | 9PAY_EWALLET       | 9PAY_EWALLET | GET | REDIRECT | > 4000.00 |



|                                 |                      |                      |      |          |            |
|---------------------------------|----------------------|----------------------|------|----------|------------|
| EWALLET                         |                      |                      |      |          |            |
| 9PAY DEBIT CARD                 | 9PAY_DEBITCARD       | 9PAY_DEBITCARD       | GET  | REDIRECT | > 2000.00  |
| 9PAY BANKTRANSFER               | 9PAY_BANKTRANSFER    | 9PAY_BANKTRANSFER    | GET  | REDIRECT | > 10000.00 |
| <b>TW, TWD, OTC</b>             |                      |                      |      |          |            |
| ESUN Cash-711                   | ESUN_CASH711         | ESUN_Cash711         | POST | REDIRECT | >= 1.00    |
| ESUN Cash FamilyMart            | ESUN_CASHFAMILY MART | ESUN_CashFamily Mart | POST | REDIRECT | >= 1.00    |
| ESUN ATM                        | ESUN_ATM             | ESUN_ATM             | POST | REDIRECT | >= 1.00    |
| ESUN Cash Hi-Life               | ESUN_CASHHILIFE      | ESUN_CashHiLife      | POST | REDIRECT | >= 1.00    |
| <b>ID, IDR, OTC</b>             |                      |                      |      |          |            |
| DOKU Permata Virtual Account    | DK_PERMATA_VA        | DK_PERMATA_VA        | POST | REDIRECT | >= 10000   |
| DOKU Alfa Virtual Account       | DK_ALFA              | DK_ALFA              | POST | REDIRECT | >= 10000   |
| DOKU Indomaret Virtual Account  | DK_INDOMARET         | DK_Indomaret         | POST | REDIRECT | >= 10000   |
| DOKU Danamon Virtual Account    | DK_DANAMON_VA        | DK_Danamon_VA        | POST | REDIRECT | >= 10000   |
| DOKU Mandiri Virtual Account    | DK_MANDIRI_VA        | DK_Mandiri_VA        | POST | REDIRECT | >= 10000   |
| DOKU CIMB Niaga Virtual Account | DK_CIMBNIAGA_VA      | DK_CIMBNiaga_VA      | POST | REDIRECT | >= 10000   |
| DOKU BCA Virtual Account        | DK_BCA_VA            | DK_BCA_VA            | POST | REDIRECT | >= 10000   |
| DOKU BRI Virtual Account        | DK_BRI_VA            | DK_BRI_VA            | POST | REDIRECT | >= 10000   |

|                               |                  |                  |      |          |          |
|-------------------------------|------------------|------------------|------|----------|----------|
| DOKU BNI Virtual Account      | DK_BNI_VA        | DK_BNI_VA        | POST | REDIRECT | >= 10000 |
| DOKU Maybank Virtual Account  | DK_MAYBANK_VA    | DK_Maybank_VA    | POST | REDIRECT | >= 10000 |
| DOKU Artajasa Virtual Account | DK_ARTAJASA_VA   | DK_Artajasa_VA   | POST | REDIRECT | >= 10000 |
| <b>ID, IDR, IB</b>            |                  |                  |      |          |          |
| DOKU Permata Net IB           | DK_PERMATANET_IB | DK_PermataNet_IB | POST | REDIRECT | >= 10000 |
| DOKU Muamalat IB              | DK_MUAMALAT_IB   | DK_Muamalat_IB   | POST | REDIRECT | >= 10000 |
| DOKU Danamon IB               | DK_DANAMON_IB    | DK_Danamon_IB    | POST | REDIRECT | >= 10000 |
| DOKU CIMB Clicks IB           | DK_CIMBCLICKS_IB | DK_CIMBClicks_IB | POST | REDIRECT | >= 10000 |
| DOKU BRI IB                   | DK_BRI_IB        | DK_BRI_IB        | POST | REDIRECT | >= 10000 |
| DOKU BCA IB                   | DK_BCA_IB        | DK_BCA_IB        | POST | REDIRECT | >= 10000 |

SALS : Sales, one time charge, for most of the payment method

AUTS : Authorize, pre-authorization or to hold the card payment only

IB : Internet Banking

OTC : Over the counter / Cash Payment / Kiosk Payment

ATM : ATM Transfer

CC : Credit Card

EW : E-wallet

\_The\_End\_