Get Card Data

This command retrieves card data using the payment device and sends it to the POS.

Rules

The GET_CARD_DATA command is intended for non-payment purposes and is to be used outside of a payment transaction.

Configuration Parameters

There is no configuration parameter associated wih this command functionality.

GET_CARD_DATA (Message Interface)

The following tables provide corresponding device UI interactions, detailed protocol information, including field descriptions and examples.
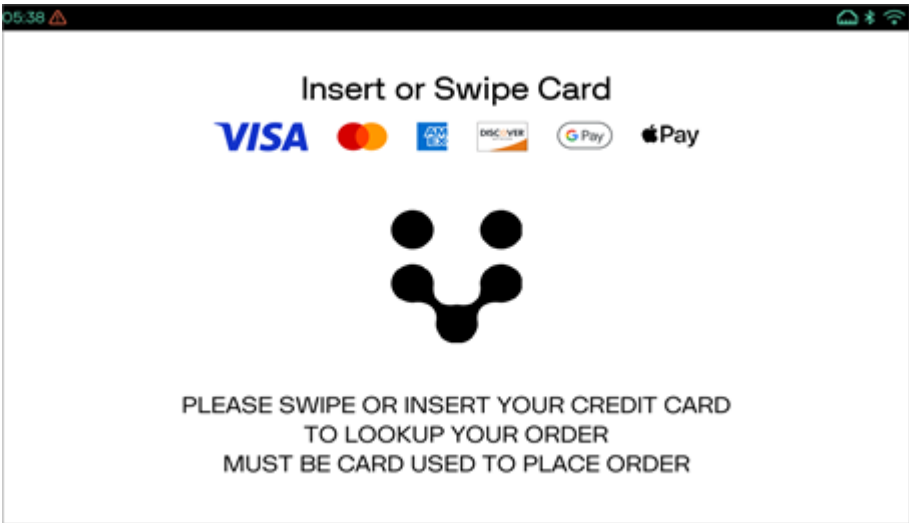
Device UI Required

Note

Neo device (M450) is being used to capture screenshots for the Device UI Requirement section.
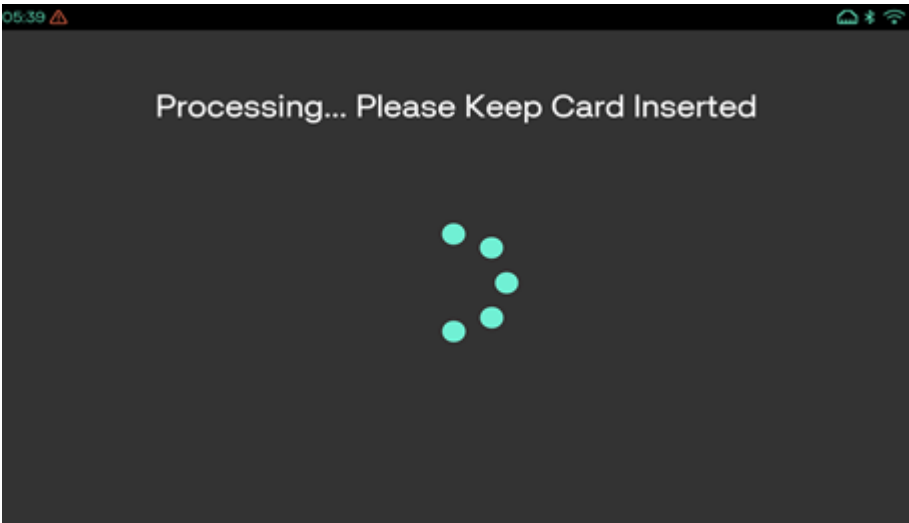
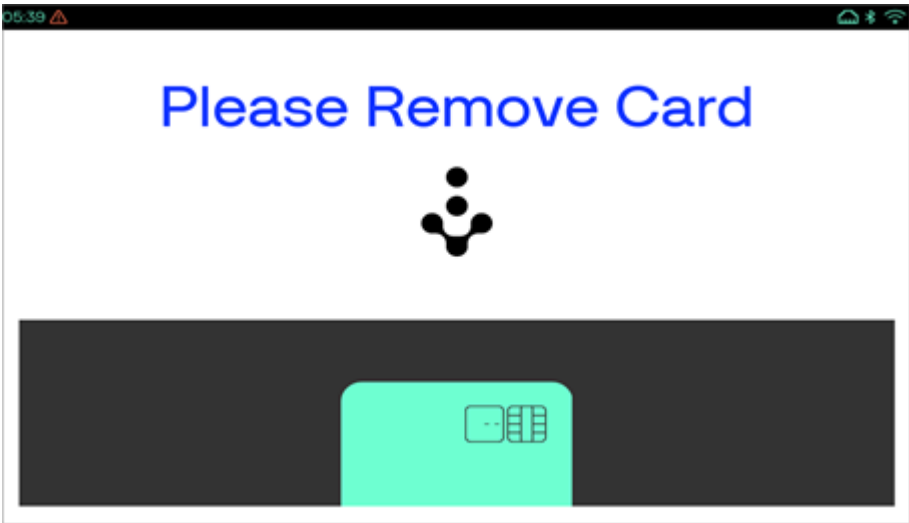| **Display** | **User Action** | **Terminal Action** |

Insert or Swipe Card

VISA ●● MasterCard AMEX DISCOVER (G Pay) Pay

PLEASE SWIPE OR INSERT YOUR CREDIT CARD
TO LOOKUP YOUR ORDER
MUST BE CARD USED TO PLACE ORDER

| Insert or swipe the card. | The device displays the card reader screen. |

Processing... Please Keep Card Inserted

| No action | The device displays the processing screen. |

Please Remove Card

| No action | The device displays the remove card propting screen. |

Request Packet

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
FUNCTION_TYPE	Required	Static value	N/A	N/A	PAYMENT	Type of function

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
COMMAND	Required	Static value	N/A	N/A	GET_CARD_DATA	Command name
DISPLAY_TEXT1	Optional	Character	1	50 25 (for e235 device)		Displays text line 1. **Example:** PLEASE SWIPE OR INSERT YOUR CREDIT CARD
DISPLAY_TEXT2	Optional	Character	1	50 25 (for e235 device)		Displays text line 2. **Example:** TO LOOK UP YOUR ORDER
DISPLAY_TEXT3	Optional	Character	1	50 25 (for e235 device)		Displays text line 3. **Example:** MUST BE CARD USED TO PLACE ORDER
CARD_INPUT_METHOD	Required	List			• SWIPE • TAP • INSERT	This is the input method for card entry mode. This inputs should be pipe delimited. **Example:** SWIPE|INSERT
POS_RECON	Optional	Character	1	30		POS reconciliation. POS Reconciliation field to be echoed back in response to POS. **Example:** RetailPOS1
COUNTER	Required	Numeric	1	10		COUNTER is used for a given MAC label. Each COUNTER should be higher than the last one. This is used to authenticate the POS. **Example:** 100

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
MAC	Required	Base64 Encoded Data				Message Authentication Code. This is used to authenticate the POS.
MAC_LABEL	Required	Character	1	50		Associated label that tells the device which MAC_KEY to use to decrypt the value of MAC. This is used to authenticate the POS. **Example:** REG1

Example

Following is an example of request packet

```
<TRANSACTION>
        <FUNCTION_TYPE>DEVICE</FUNCTION_TYPE>
        <COMMAND>GET_CARD_DATA</COMMAND>
        <DISPLAY_TEXT1>PLEASE SWIPE OR INSERT YOUR CREDIT CARD</
DISPLAY_TEXT1>
        <DISPLAY_TEXT2>TO LOOKUP YOUR ORDER</DISPLAY_TEXT2>
        <DISPLAY_TEXT3>MUST BE CARD USED TO PLACE ORDER</DISPLAY_TEXT3>
        <CARD_INPUT_METHOD>SWIPE|INSERT</CARD_INPUT_METHOD>
        <COUNTER>1</COUNTER>
        <MAC> … </MAC>
        <MAC_LABEL>REG2</MAC_LABEL>
</TRANSACTION>
```

Response Packet

Field	Type	Value	Description
RESPONSE_TEXT	Character		Processor response text. **Example:** CARD DATA RECEIVED
RESULT	Character		This indicates the Result details. **Example:** OK
RESULT_CODE	Numeric	Expected result code: -1, 59001, 59006, 59040	This indicates the result code. Refer to Result/Error Codes for details.

Field	Type	Value	Description
TERMINATION_STATUS	Character	SUCCESS or FAILURE	This indicates the transaction termination status. This is the overall status of the transaction irrespective of approved or declined. Like, if the output is generated then the status is SUCCESS and if no output is generated then the status will be FAILURE.
COUNTER	Numeric		Echoes counter sent in the request. **Example:** 100
CARD_TRACK1	Character		Returns card track 1 data. **Example:** T1 DATA UNFORMATTED
CARD_TRACK2	Character		Returns card track 2 data. **Example:** T2 DATA UNFORMATTED
CARD_TRACK3	Character		Returns card track 3 data. **Example:** T3 DATA UNFORMATTED
ACCT_NUM	Character		Returns the account number. PCI card data will be masked. PCI cards will not return track data fields. **Example:** 73439839838938398
CARD_EXP_MONTH	Numeric		Card expiry month. **Example:** 12
CARD_EXP_YEAR	Numeric		Card expiry year. **Example:** 19
CARDHOLDER	Character		Conditionally returns for swiped cards. **Example:** TEST
CARD_ENTRY_MODE	Character		Returns card entry mode values. Refer to Card Entry Mode for details on possible values. **Example:** SWIPE
POS_RECON	Character		POS reconciliation field echoed back if sent in request. **Example:** RetailPOS1

Transaction Performance Metric

Note

These fields are returned, if SCAPERFMETRIC parameter ([Application Parameters](#)) is enabled.

Field	Type	Value	Description
UI_TIME	Time		This indicates the time duration, for which the device screen is displayed (like error message, prompt screen, remove card screen) till any user action is performed in the command execution flow. This field is not applicable to capture the time for the Processing, Authorizing and transaction status screen. The format of the returned value would be S.sss, where S is seconds (this can be 0 to any positive integer) and sss is milliseconds. In case of any insignificant time or 0.000 value, will not be returned in the response. **Example:** `<UI_TIME>44.028</UI_TIME>`

Field	Type Value	Description
HOST_TIME	Time	This indicates the time taken for the Connection to the host, sending request and receives data from the host. This field also take the cumulative time for multiple requests which may sent to the host during the transaction including two legged transactions, timeout requests, Auto Last Tran requests, DCC, Credit app proxy. The format of the returned value would be S.sss, where S is seconds (this can be 0 to any positive integer) and sss is milliseconds. In case of any insignificant time or 0.000 value, will not be returned in the response. **Example:** `<HOST_TIME>1.389</HOST_TIME>`
CMD_TIME	Time	This field indicates the total amount of time for a command, which is executed by the application from request received to the response sent. The format of the returned value would be S.sss, where S is seconds (this can be 0 to any positive integer) and sss is milliseconds. In case of any insignificant time or 0.000 value, will not be returned in the response. **Example:** `<CMD_TIME>70.765</CMD_TIME>`

Example

Following is an example of response packet

```
<RESPONSE>
        <RESPONSE_TEXT>CARD DATA RECEIVED</RESPONSE_TEXT>
        <RESULT>OK</RESULT>
        <RESULT_CODE>-1</RESULT_CODE>
        <TERMINATION_STATUS>SUCCESS</TERMINATION_STATUS>
        <COUNTER>1</COUNTER>
        <CARD_TRACK2> T2 DATA UNFORMATTED</CARD_TRACK2>
        <ACCT_NUM>73439839838938398</ACCT_NUM>
        <CARD_EXP_MONTH>12</CARD_EXP_MONTH>
        <CARD_EXP_YEAR>19</CARD_EXP_YEAR>
        <CARDHOLDER>TEST</CARDHOLDER>
        <CARD_ENTRY_MODE>SWIPE</CARD_ENTRY_MODE>
</RESPONSE>
```