



https://verifone.cloud/docs/sca-functional-specification/processor_implementn/processor_terminal_parameters

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Terminal Parameters

This command runs the Terminal Parameters report. The TERMPARAMS report is the request/response sequence for retrieving terminal parameters separated by section. This is used in conjunction with the PrintTermParam.INI file.

Note

This is available for First Data Rapid Connect at time of publication.

Device UI Required: No

Request Packet

Field	Rule	Type	Minimum	Maximum	Value(s)	Description
FUNCTION_TYPE	Required	Static value	N/A	N/A	REPORT	Type of function
COMMAND	Required	Static value	N/A	N/A	TERMPARAMS	Command name
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: 1
MAC	Required	Base64 Encoded Data	N/A	N/A		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

Request packet Example

```
<TRANSACTION>
<COUNTER>1</COUNTER>
<MAC> ... </MAC>
<MAC_LABEL>REG2</MAC_LABEL>
<FUNCTION_TYPE>REPORT</FUNCTION_TYPE>
<COMMAND>TERMPARAMS</COMMAND>
</TRANSACTION>
```

Response Packet

Field	Type	Value	Description
RESPONSE_TEXT	Character		Processor response text. Example: REPORT COMPLETE
RESULT	Character		This indicates the Result details. Example: OK
RESULT_CODE	Numeric	Expected result codes: -1	This indicates the result code.
TERMINATION_STATUS	Character	SUCCESS and 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: 1
FUNCTION_TYPE	Character	REPORT	Returns the type of function.
COMMAND	Character	TERMPARAMS	Returns the command name.
TERM_PARAM_REPORT			Refer to the response example below to have more understandings on TERM_PARAM_DATA Receipt Text Elements.

Response packet Example

```
<RESPONSE>
<RESPONSE_TEXT>REPORT COMPLETE</RESPONSE_TEXT>
<RESULT>OK</RESULT>
<RESULT_CODE>-1</RESULT_CODE>
<TERMINATION_STATUS>SUCCESS</TERMINATION_STATUS>
<TERM_PARAM_REPORT>
  <TERM_PARAM_DATA>
    <TEXTLINE>VERIFONE SCA</TEXTLINE>
  </TERM_PARAM_DATA>
  <TEXTLINE>11700 Great Oaks Way Way</TEXTLINE>
  <TEXTLINE>Suite 210</TEXTLINE>
</TERM_PARAM_REPORT>
```

```

TEXTLINE>          <TEXTLINE>          Alpharetta, GA 30022          </
TEXTLINE>          <TEXTLINE>          </
TEXTLINE>          <TEXTLINE>          Merchant ID: RCTST00000042337    </
TEXTLINE>          <TEXTLINE>          Terminal ID:001                </
TEXTLINE>          <TEXTLINE>12/27/17                                00:49:00</
TEXTLINE>          <TEXTLINE>          Terminal Parameter Report          </
TEXTLINE>          <TEXTLINE>          </
TEXTLINE>          <TEXTLINE>          Application Version                </
TEXTLINE>          <TEXTLINE>          </
TEXTLINE>          <TEXTLINE>CAM Version                                VCAMGN300A2</
TEXTLINE>          <TEXTLINE>CTLS Firmware                                EP2.0.4r;MK2.1.1r;VK</
TEXTLINE>          <TEXTLINE>                                2.1.5r;AK2.0.5r </
TEXTLINE>          <TEXTLINE>Device Serial Num                            401100780</
TEXTLINE>          <TEXTLINE>EMV Kernel                                    702</
TEXTLINE>          <TEXTLINE>OS Version                                    release-30810300</
TEXTLINE>          </TERM_PARAM_DATA>
</TERM_PARAM_REPORT>
</RESPONSE>

```

Example PrintTermParam.INI file

PrintTermParam.INI file is in the flash location on device and in the Solution bundle.

[Application Version]

- Device Serial Num=TerminalInformation/SerialNumber
- OS Version=TerminalInformation/OSVersion
- EMV Kernel=TerminalInformation/EMVKernelVersion
- CTLS Firmware=TerminalInformation/CTLSFWVersion
- CAM Version=TerminalInformation/CAMVersion

[Ethernet Interface]

- Device Name=interfaces:lan/device_name
- IP Address=interfaces:lan/ip_address
- Gateway = interfaces:lan/gateway
- DHCP Enabled=interfaces:lan/dhcp_enabled
- DNS Server 1=interfaces:lan/dns_1

[Serial Interface]

- Serial Port=interfaces:serial/serialport
- Baudrate =interfaces:serial/baudrate

- Databits =interfaces:serial/databits

[Host Details]

- Host Name=hosts:fdrc/HostName
- Primary Auth URL=hosts:fdrc/PrimaryAuthUrl
- TPPID=hosts:fdrc/TPPID
- Merchant ID=hosts:fdrc/MerchantID
- Terminal ID=hosts:fdrc/TerminalID
- Group ID=hosts:fdrc/GroupID
- GMF Version=hosts:fdrc/GMFVersion

[Payment Types]

- Gift Card Support=application/GIFT
- Debit Card Support=application/DEBIT
- EBT Card Support=application/EBT

[Application Details]

- Industry Type=merchants:merchant1/Industry
- App type=application/ATYPE
- Duplicate Swipe Detection=application/DupSwipeDetectEnable
- Quick Chip Support=application/quickchip

[Cashback Details]

- Cashback Support =application/PRCASH
- Cashback Prompt 1=application/CASH1
- Cashback Prompt 2=application/CASH2
- Cashback Prompt 3=application/CASH3