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FIBOCOM AT Commands User Manual_SIMLOCK

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Application type

No.	Type	Note
1	NL668-CN-03/04	NA
2	NL668-JP-00/01	NA
3	NL668-LA-00	NA
4	NL661-EU-00	NA
5	NL668-EU-03	NA
6	NL652-EU-00	NA
7	NL668-CN-10	NA

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Versions

Version	Author	Date	Remarks
V1.0.0	Zhang Tao	2019-03-25	Initial version
V1.0.1	Wang Qiang	2019-03-28	Upgrade version
V1.0.2	Guowenhui	2019-05-20	Modify +SIMLOCKCFG / SIMLOCKSTATE commands
V1.0.3	Longyiliang	2019-08-16	Add applicable model
V1.0.4	Heruichen	2019-09-18	Add NL652-EU-00 project
V1.0.5	Heruichen	2019-10-14	Add NL668-CN-10 project

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1 +SIMLOCKCFG,Configure plmn list to unlock

Description

This command is used to configure plmn list to unlock.

Syntax

Command	Possible response(s)
AT+SIMLOCKCFG=<ACTION>[,<PLMNList>],	OK
AT+SIMLOCKCFG?	+SIMLOCKCFG:<ACTION>[,<PLMNList>], OK

Attributes

Pin Restricted	Persistent	Sync Mode	Effect Immediately	Time of duration
Yes	Yes	Yes	No	< 1s

Defined Values

<ACTION>: integer type; disable or enable SIMLOCK function.

- 0 disable SIMLOCK function
- 1 enable SIMLOCK function

NOTE 1: If enable SIMLOCK function ,must carry <PLMNList>.

NOTE 2: If no SIMcard inserted, it will return ERROR.

<PLMNList>:string type;to be enclosed in double quotes.No more than 15 plmns.

2 +SIMLOCKSTATE,query if UE is in locked state

Description

This command is used to query if UE is in locked state.

Syntax

Command	Possible response(s)
AT+SIMLOCKSTATE?	+SIMLOCKSTATE:<STATE> OK

Attributes

Pin Restricted	Persistent	Sync Mode	Effect Immediately	Time of duration
Yes	Yes	Yes	No	< 1s

Defined Values

<STATE>: string type;

UNLOCK; If disable SIMLOCK function, <STATE> is UNLOCK.

VALID SIM; If enable SIMLOCK function, SIM card inserted and contain in the PLMNList, <STATE> is VALID SIM.

INVALID SIM; If enable SIMLOCK function, SIM card inserted and does not contain in PLMNList, <STATE> is INVALID SIM.

NOTE 1: If no SIMcard inserted, it will return ERROR.

3 +SIMLOCKOPR, Modify PLMN list configured by +SIMLOCKCFG

Description

This command is used to modify PLMN list configured by +SIMLOCKCFG.

Syntax

Command	Possible response(s)
AT+SIMLOCKOPR=<ACTION>,<PLMN>,<Num>	+SIMLOCKOPR: OK

Attributes

Pin Restricted	Persistent	Sync Mode	Effect Immediately	Time of duration
Yes	Yes	Yes	No	< 1s

Defined Values

<ACTION>:integer type;

- 0 New PLMN append to the end of the list.
- 1 Modify the PLMN of <Num> to be same with the given PLMN.
- 2 Delete the PLMN of <Num>,<Num> starts from 0.

<PLMN>:integer type; PLMN that needs to be operated

<Num>:integer type; Index of the PLMNlist.

4 Example

1、+SIMLOCKCFG:

```
AT+SIMLOCKCFG=1,"46000,46001,46002" //Enable SIMLOCK,must carry PLMN list want to
lock
OK
```

```
AT+SIMLOCKCFG=0 //Disable SIMLOCK,it will clear PLMN list
OK
```

```
AT+SIMLOCKCFG? //Query the currently locked list
+SIMLOCKCFG:1,"46000,46001,46002,"
OK
```

2、+SIMLOCKSTATE:

```
AT+SIMLOCKSTATE? //Query the current simlock status
+SIMLOCKSTATE:UNLOCK
OK
```

3、 +SIMLOCKOPR:

//Add PLMN to list

AT+SIMLOCKOPR=0,46011,10 //Add a PLMN to the end of the list

+SIMLOCKOPR:

OK

//Modify PLMN list

AT+SIMLOCKOPR=1,46012,10 //Modify a PLMN in the list

+SIMLOCKOPR:

OK

//Delete PLMN list

AT+SIMLOCKOPR=2,46011,10 //Delete the PLMN at the specified location in the list

+SIMLOCKOPR:

OK

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