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FIBOCOM AT Commands

User Manual_LBS

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Application type

No.	Type	Note
1	NL668-CN-00/80	NA
2	NL668-EU-00/01/03	NA
3	NL661-EU-00	NA
4	NL668-AM-00/01	NA
5	NL668-LA-00	NA
6	NL668-JP-00	NA
7	NL668-EAU-00	NA
8	NL652-EU-00	NA
9	NL668-CN-10	NA

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Versions

Version	Author	Assessor	Approver	Update Date	Description
V1.0.0				2013-06-25	Initial version
V1.0.1				2017-03-09	Translate into English Change to new template Add +GTKEY command
V1.0.2				2017-12-05	Change to new template
V1.0.3				2018-01-12	Change +GTKEY +GTGIS format
V1.0.4				2018-04-21	Add NL668 serial
V1.0.5				2018-11-13	Add NL668-AM serial and NL668-EU serial
V1.0.6				2018-12-13	Modify the value range for GTGIS; add test sample
V1.0.7	He Ruichen	Long Yiliang	Long Yiliang	2019-09-18	Add NL652-EU-00 project
V1.0.8	He Ruichen	Long Yiliang	Long Yiliang	2019-10-14	Add NL668-CN-10 project

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1 LBS Command

1.1 +GTGIS, Inquire GIS information from mobile network

1.1.1 Description

This command inquire GIS information from mobile network and report the information to module.



Note:

This command is not supported during a call under 2G network. Please activate PDP context first with +MIPCALL.

1.1.2 Syntax

Command	Response/Action
+GTGIS=<Type>	OK +GTGIS: <GIS Information> ... or: OK +GTGIS: <ERROR Information> or: ERROR
+GTGIS=?	+GTGIS: (list of supported <Type>s) OK

1.1.3 Attributes

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

1.1.4 Defined Values

<Type>: integer type and range 5-6

6 amap map

<GIS Information>:GIS information can be described via simple string.

<ERROR Information>:Error information can be described via simple string while inquiring the GIS information.

Sample:

NETWORK ERROR

Connect Timeout

1.2 +GTKEY, Configure GIS server KEY

1.2.1 Description

This command set KEY before send GIS request. Please contact server provider to obtain the key, or it would be fail when sending +GTGIS.

1.2.2 Syntax

Command	Response/Action
+GTKEY="<key>"	OK or: ERROR
+ GTKEY?	+ GTKEY: "<key>" OK or +GTKEY: Not Set OK
+ GTKEY=?	+ GTKEY: (Max length of supported key string) OK

1.2.3 Attributes

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

1.2.4 Defined Values

<Key>: Please contact server provider to obtain the key. String, range 1-128 bytes.

1.3 Test Sample

There are some test sample for +GTKEY and +GTGIS.

at+cops?

+cops: 0,0,"CHN-UNICOM",7 // device attach to network

OK

at+mipcall=1

OK

+MIPCALL: 10.66.138.219 //activate pdp connection

at+gtkey="the key value you should set" //set key value

at+gtgis=6 //To get LBS information

OK

+GTGIS: {"infocode":"10000","result":{"city":"西安市","province":"陕西省","poi":"飞阳商厦","adcode":"610113","street":"丈八西路","desc":"陕西省 西安市 雁塔区 丈八西路 靠近飞阳商厦","country":"中国","type":"4","location":"108.842034,34.1985357","road":"丈八西路"}}