FIBOCOM L610 AT Commands_FOTA

Version: V1.0.0

Date: 2019-11-29

Applicability Type

No.	Type	Note
1	L610	NA

Copyright

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Versions

Version	Author	Assessor	Approver	Update Date	Description
V1.0.0	Robin	Long Zhongyou	Long Zhongyou	2019-11-29	Initial version

Contents

1 FOTA Command

1.1 FOTA Upgrade Command

This section describes the FOTA features. Modem's firmware can be upgraded from the Remote Server by the FOTA process.

⚠️ **Notes:**

- The speed of 2G network is slow, it may fail to upgrade when using 2G network. So we recommend to fix the network to the highest-level that the module can support when using this command to upgrade firmware.

- Since ring call may interrupts the upgrade process, so this function must be disabled by using command [AT+GTSET="CALLBREAK",1] before performing the FOTA process. Besides, command [AT+GTSET="GPRSFIRST",1] should be using if the product supports it.

1.2 +GTOTA, FOTA Upgrade

1.2.1 Description

This command is used to start FOTA upgrade process. The firmware data can be downloaded over FTP or HTTP protocol.

Note that it needs to use the +MIPCALL command to active a PDP before starting FOTA upgrade process

1.2.2 Syntax

Command	Possible response(s)
+GTOTA=\<type\>,\<"url"\>[, \<"filename"\>,\<"username"\> ,\<"password"\>]	OK or: +CME ERROR: \<err\> Note: During the firmware downloading, the module will report the following unsolicited report indicating the downloading status: GTOTA DOWNLOAD START

Command	Possible response(s)
	GTOTA DOWNLOADING: <percent>%
	GTOTA DOWNLOAD COMPLETE
	GTOTA DOWNLOAD FAILED
+GTOTA=?	+GTOTA: <type>,<"url">[,<"filename">,<"username">,<"password">]
	OK

1.2.3 Attributes

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

1.2.4 Defined Values

<type> integer type and range 0-1; Default value is 0.

    0   FOTA upgrade through HTTP

    1   FOTA upgrade through FTP

<"url"> string type; Address of HTTP or FTP server. The maximum length is 255 bytes.

<"filename"> string type; The file name of OTA package. The maximum length is 255 bytes.

<"username"> string type; User name for FTP server. The maximum length is 255 bytes.

<"password"> string type; FTP password for <"username">. The maximum length is 255 bytes.

Note:

1. When <type> is 0, parameters <"filename">, <"username">, and <"password"> can't be used. When <type> is 1, parameters <"filename">, <"username">, and <"filename"> must be given.

2. When using HTTP, the file name and path of the OTA package must be included in <"URL">. When using FTP, <"URL"> is just the address of FTP server, while filename is given by parameter <"filename">.

3. The file path may also be included to <"filename"> when needed.