

# FIBOCOM L610 Series

## AT Commands\_FOTA

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## Applicability Type

No.	Product Model	Description
1	L610 Series	NA

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## Trademark



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## Change History

Version	Author	Assessor	Approver	Update date	Description
V1.0.1	Deng Libin	Ma Menghan	Wang Hailiang	2020-06-13	Standardized format
V1.0.0	Deng Libin		Long Zhongyou	2019-11-29	Initial version

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# 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	Response/Action
+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	Response/Action
	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:**

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