FIBOCOM_L610_AT_Commands_User_Manual_CoAP

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![Fibocom logo]

Applicability type

No.	Product model	Description
1	L610 Series	NA

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Versions

Version	Author	Assessor	Approver	Update date	Remark
V1.0.0	Wang Bingchao	Long Zhongyou	Long Zhongyou	2019-11-29	Initial version

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1 CoAP Commands

1.1 +GTCOAPOPEN, Create a CoAP client instance

1.1.1 Description

This command is used to create a CoAP client.

1.1.2 Syntax

Command	Response
+GTCOAPOPEN=<Remote IP/URL>,<port>	+GTCOAPOPEN: <coap_id> OK or ERROR
+GTCOAPOPEN?	+GTCOAPOPEN: <coap_id> OK for each coap id that can be opened or +GTCOAPOPEN: 0 OK if there are no free client.
+GTCOAPOPEN=?	ERROR

1.1.3 Attributes

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

1.1.4 Defined Values

<Remote IP/URL>: CoAP server IP or URL address. IP of the remote site in the format "AAA.BBB.CCC.DDD". The range of each octet is 0-255. Value can be written in 1, 2, or 3 digits. URL mean Host name, of remote site. The host-name convention should meet the rules as describe in RFC-1035 section: 2.3 Conventions. Syntax is not validated, except the maximum length (255 characters).

<port>:   integer type, CoAP server Port, Range 1-65535.

<coap_id>: CoAP client instance id created by the command.

1.2 +GTCOAPSEND, Send CoAP DATA

1.2.1 Description

This command is used to send data to CoAP server with the created CoAP client instance.

1.2.2 Syntax

Command	Response
+GTCOAPSEND=<coap_id>,<data_len>,<data>	OK or ERROR
+GTCOAPSEND?	ERROR
+GTCOAPSEND=?	ERROR

1.2.3 Attributes

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

1.2.4 Defined Values

<coap_id>: integer type, CoAP client instance id created by the AT+GTCOAPOPEN command.

<data_len>:integer type, send data length(by byte), max length 512.

<data>:string type, User data string is sent encoded with 0-F hexadecimal digits. The data must be enclosed with double quotation marks.

Note: Data must be formed according to CoAP protocol and add CoAP message header.

1.3+GTCOAPCLOSE, Free the CoAP client instance

1.3.1 Description

This command is used to free the created CoAP client instance.

1.3.2 Syntax

Command	Response
+GTCOAPCLOSE=<coap_id>	OK +GTCOAPCLOSE: 1 or

Command	Response
	ERROR
+GTCOAPCLOSE?	ERROR
+GTCOAPCLOSE=?	ERROR

1.3.3 Attributes

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

1.3.4 Defined Values

< coap_id>: integer type, CoAP client instance id created by the AT+GTCOAPOPEN command.

1.4+GTCOAPDATA, Response data from server

1.4.1 Description

If coap server response to the request after modem send coap data ,the format of response is as this.

1.4.2 Syntax

Command	Response
Unsolicited Response	+GTCOAPDATA: <coap_id>,<data_len>,<data>

1.4.3 Attributes

Pin Restricted	Persistent	Sync Mode	Effect Immediately	Time of duration
NA	NA	NA	NA	NA

1.4.4 Defined Values

<coap_id>: integer type, CoAP client instance id created by the AT+GTCOAPOPEN command.

<data_len>: Receive data length(by byte), max length 512.

<data>: The hex data streaming. The data is not enclosed by double quotation marks.