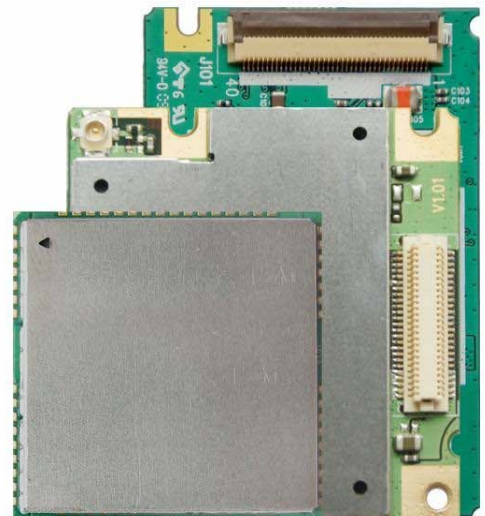




Quectel Cellular Engine

GSM Location AT Commands

GSM_Location_ATC_V1.0



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0. Revision history

Revision	Date	Author	Description of change
1.0	2010-6-8	Jay XIN	Initial

1. Introduction

This document is a reference guide to all the AT commands and responses defined for GSM Location function.

1.1. Reference

Table 1: Reference

SN	Document name	Remark
[1]	Mxx_ATC.pdf	The introduction of AT commands for Mxx
[2]	GSM_TCPIP_AN.pdf	To introduce how to use the internal TCP/IP stack

2. AT Commands for GSM Location

2.1. Overview

Command	Description
AT+QGSMLOC	GSM LOCATION AND TIME

2.2. Detailed descriptions of Commands

2.2.1. AT+QGSMLOC GSM Location and Time

AT+QGSMLOC GSM Location and Time	
Test Command AT+QGSMLOC=?	Response +QGSMLOC: (1,2) OK
	Parameter See Write Command
Write Command AT+QGSMLOC=<t ype>	Response If <type>=1 and command is running successfully: +QGSMLOC: <locationcode>,<longitude>,<latitude>,<date>,<time> > OK If <type>=2 and command is running successfully: +QGSMLOC: <locationcode>,<date>,<time> OK If error is related to ME functionality: +CME ERROR: <err>
	Parameter <type> 1 View the longitude, latitude and time 2 View time <locationcode> Imply success or failure 0 Success 1 Failure <longitude> Current longitude in degrees <latitude> Current latitude in degrees

	<date> Format is YYYY/MM/DD, the time zone is GMT E.g. 2010/05/20
	<time > Format is hh/mm/ss, the time zone is GMT. E.g. 05:26:51
Reference	

3. Example

It is recommended to do some initialization before using **AT+QGSMLLOC** to get the longitude, latitude and time, such as FGCNT id and APN settings, etc. For more details please refer to the documents [1]*Mxx_ATC.pdf* and [2]*GSM_TCPIP_AN.pdf*.

The following is the example about how to get the longitude, latitude and time:

```
AT+QIFGCNT=0 //choose the context 0 to activate GPRS/CSD
               context for the TCPIP service, please refer to [1] and [2]
OK
AT+QICSGP=1,"CMNET" //choose GPRS mode and set the APN as "CMNET"
OK
AT+QGSMLLOC=1 //get the longitude, latitude and time
+QGSMLLOC: 0,121.391253,31.164828, 2010/05/20,05:26:23
OK
AT+QGSMLLOC=2 //get the time
+QGSMLLOC: 0,2010/05/20,05:26:23
OK
```


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