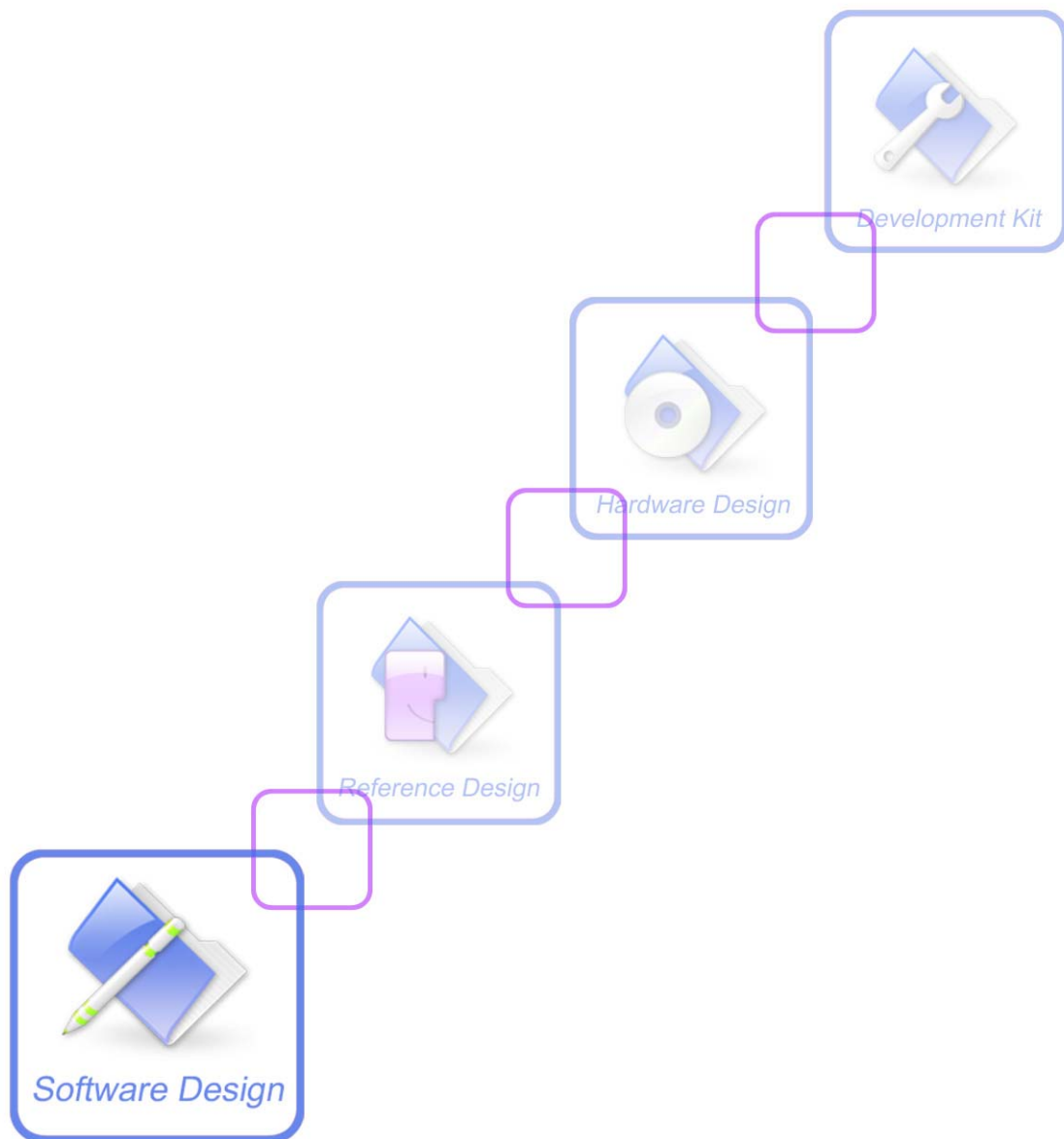




# SIM900\_GSM Location AT Command Manual\_V1.00



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## Version History

Version	Chapter	What is new
V1.00	Origin	

# 1 Introduction

This document presents the AT command of GSM location operation for SIM900. This document can apply to the same series of the modules which contain GSM location function, like SIM900, SIM900D, SIM900B and SIM900A.

## 1.1 Features

## 1.2 Reference

[1] SIM900 AT Commands Set

## 2 2 AT commands

### 2.1 AT+CIPGSMLOC

AT+CIPGSMLOC GSM Location and Time	
Test Command <b>AT+CIPGSMLOC=?</b>	Response <b>+CIPGSMLOC: (1,2),(1-3)</b>  <b>OK</b> Parameter See Write Command
Write Command <b>AT+CIPGSMLOC=&lt;type&gt;,&lt;cid&gt;</b>	Response <b>If &lt;type&gt;=1:</b> <b>+CIPGSMLOC:&lt;locationcode&gt;,&lt;longitude&gt;,&lt;latitude&gt;,&lt;date&gt;,&lt;time&gt;</b> <b>e&gt;</b>  <b>OK</b>  <b>If &lt;type&gt;=2:</b> <b>+CIPGSMLOC:&lt;locationcode&gt;,&lt;date&gt;,&lt;time&gt;</b>  <b>OK</b>  If error is related to ME functionality: <b>+CME ERROR:&lt;err&gt;</b>
	Parameter <b>&lt;type&gt;</b> 1    View the longitude, latitude and time 2    View time <b>&lt;cid&gt;</b> network parameters, refer to AT+SAPBR  <b>&lt;locationcode&gt;</b> 0    Success If the operation failed, the location code is not 0, such as: 601   Network Error 602   No memory 603   DNS Error 604   Stack Busy 65535 Other Error <b>&lt;longitude&gt;</b> Current longitude in degrees <b>&lt;latitude&gt;</b> Current latitude in degrees <b>&lt;date&gt;</b> Format is YYYY/MM/DD, the time zone is GMT E.g. 2011/01/26

	<b>&lt;time&gt;</b> Format is hh/mm/ss,the time zone is GMT.E.g. 06:10:46
Reference	Note

### 3 Examples

SIM900 GSM location module provides GSM location solution. The following is the examples for application.

#### 3.1 Activate bearer profile

```
AT+SAPBR=3,1,"Contype","GPRS"           //Set bearer parameter
```

OK

```
AT+SAPBR=3,1,"APN","CMNET"
```

OK

```
AT+SAPBR=1,1                             // Activate bearer context
```

OK

```
AT+SAPBR=2,1
```

```
+SAPBR: 1,1,"10.89.193.1"
```

OK

#### 3.2 Get location

```
AT+CIPGSMLOC=1,1
```

```
+CIPGSMLOC: 0,121.354848,31.221402,2011/01/26,02:41:06
```

OK

```
AT+CIPGSMLOC=2,1
```

```
+CIPGSMLOC: 0,2011/01/26,03:12:58
```

OK

#### 3.3 Deactivate bearer profile

```
AT+SAPBR=0,1                             // Deactivate bearer context
```

OK

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