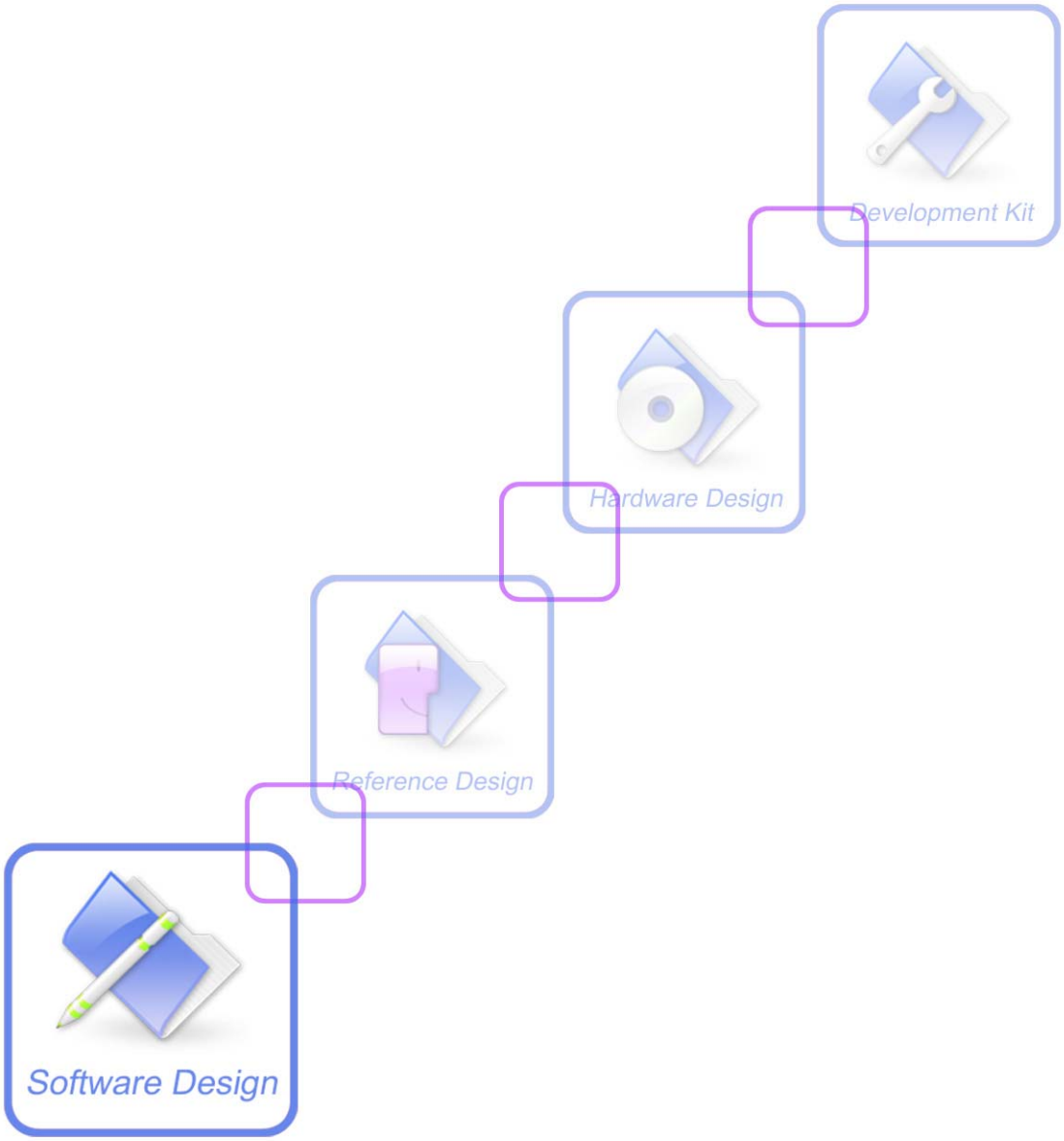
GPS Assist Location Application Note



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Version History

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V1.00	New Version	

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GPS Assist Location Application Note

1. Introduction

1.1 Overview

This document gives the usage of SIM52XX GPS Assist Location functions. User can get useful information about the SIM52XX GPS Assist Location functions quickly through this document.

The GPS Assist Location functions are provided in AT command format, and they are designed for customers to design their GPS applications easily. User can access these GPS Assist Location AT commands through UART/ USB interface which communicates with SIM52XX module.

1.2 References

The present document is based on the following documents:

[1] SIMCOM_SIM52xx_ATC_EN.pdf

1.3 Terms and Abbreviations

For the purposes of the present document, the following abbreviations apply:

- AT ATtention; the two-character abbreviation is used to start a command line to be sent from TE/DTE to TA/DCE
- GPS Global positioning system

2. GPS Assist Location Setting

The purpose of this section is to help get you start with GPS Assist Location setting.

2.1 Set retry times

This is used to set the max number to try connection when the http connects if failed.

◆ Set the retry times:

AT+ CASSISTLOCTRYTIMES=3,2

The first parameter is the number to retry when error occurred. The second parameter is the time between try , the unit is second, range is 1 - 60*60.

2.2 Set assist location mode if necessary

We can use this AT to set the mode of location. 0 – using single cell. 1 – using multi-cell.

- Set assist location mode:

AT+ CASSISTLOCMODE *=1*

3. Start/Stop GPS Assist Location

3.1 Start GPS Assist Location

Two methods can start GPS Assist Location:

1. AT+CASSISTLOC=1
2. AT+CASSISTLOC=2

The parameter 1 – start location, only once; 2 – start cycle location.

The report GPS location infomation format:

+CASSISTLOC:UTF-8,33312E32323136363439,3132312E33353532353934,,3734322E30,,,58696568652
05264,,5368616E67686169,,5368616E67686169,4368696E61,434E,

3.2 Stop GPS Assist Location

This method can stop GPS Assist Location:

1. AT+CASSISTLOC=0

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