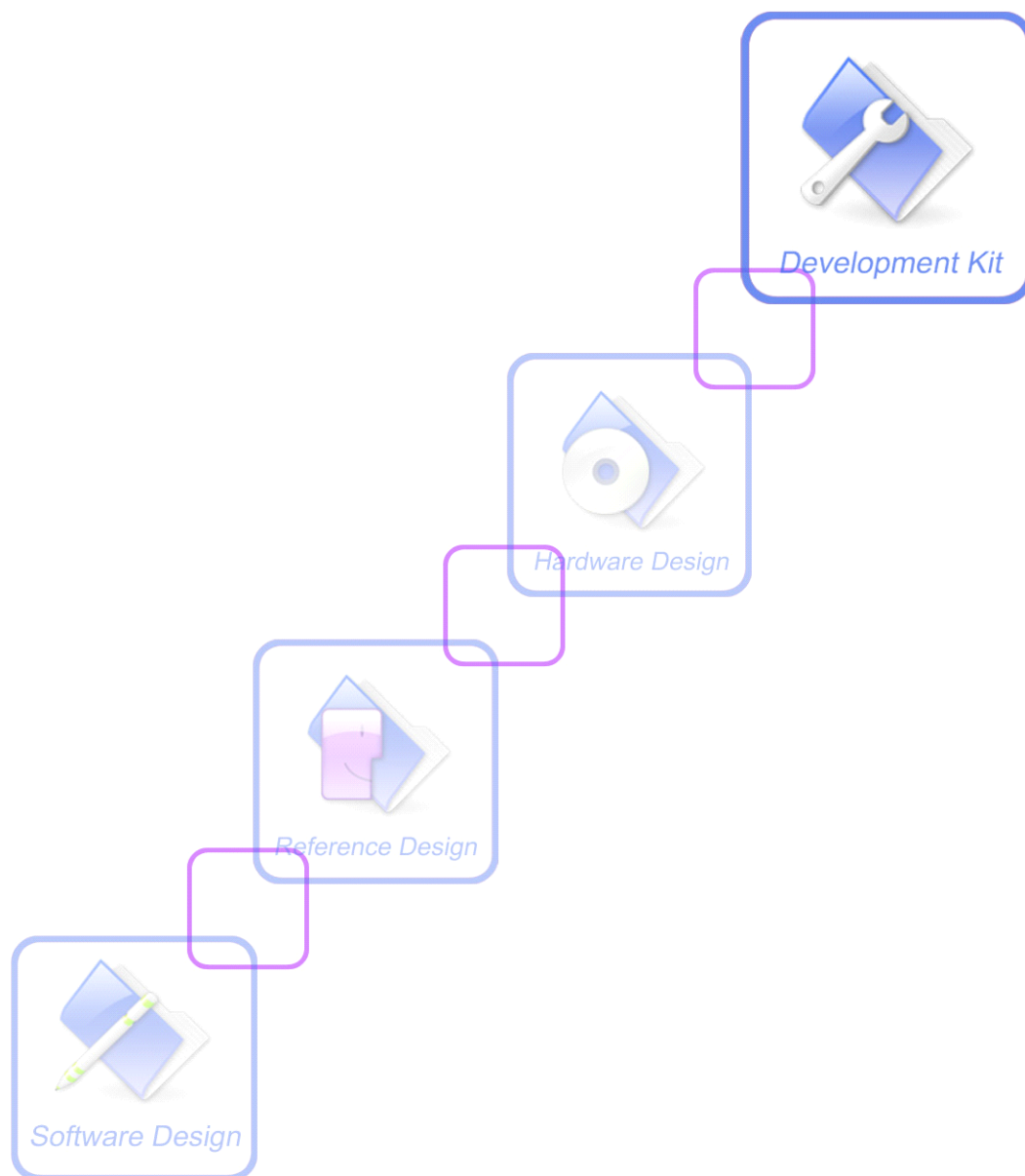


Delta Package Update

Application Note



Document Title:	SIM52xx Delta Package Update Application Note
Version:	0.01
Date:	2011-06-22
Status:	Release
Document Control ID:	SIM52xx_Delta_Package_Update_Application_Note_V0.01

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Version History

Version	Chapter	Comments	Author
V0.01	New Version		aaron

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Contents

Version History	2
Contents	3
1. Introduction.....	1
1.1 Overview.....	1
1.2 References.....	1
1.3 Terms and Abbreviations.....	1
2. Use Delta Package Update.....	1
2.1 step by step.....	1
2.2 Example.....	1

1. Introduction

1.1 Overview

This document will depict the usage of Delta Package update function supplied by SIM52XX. User can get useful information about the SIM52XX's updating function quickly through this document.

1.2 References

- [1] SIMCOM_SIM52XX_ATC_EN_Vx.xx.doc.
- [2] SIM52xx_EFS_DIAG_Application_note_V0.02.doc

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

2. Use Delta Package Update

2.1 step by step

- 1) you must have the right delta package ready first.
- 2) you need to put the delta package onto the module or T Flash card.
- 3) now you need to send the command +CDELTA to put the delta package to the specified partition on the module.
- 4) last you just need to reset the module.

After the module resets it will check to see if it needs to update the firmware, if so it will enter the updating process and the status led will blinking for attention.

After the updating process finished it will reset again and start-up with the new firmware.

2.2 Example

Example1: Given one updates the firmware with the delta package on the module, package name is delta_1_2.mld.

- 1) Use USB DIAG COM to download the delta package to the module.(please refer

SIM52xx_EFS_DIAG_Application_note_V0.02.doc for more detail.)

2) AT+CDELTA="delta_1_2.mld"(please refer SIMCOM_SIM52XX_ATC_EN_Vx.xx.doc for more detail.)

3) Just reset the module, let module itself to update the firmware.

Example2: Given one updates the firmware with the delta package on T Flash card. Package name is delta_1_2.mld.

- 1) AT+CUSBMSS=1. //let T Flash card be mapped as an USB mass storage device on PC side.
- 2) Reset the module //T Flash card will appeared at PC side
- 3) At PC side just copy delta package: delta_1_2.mld to T Flash card.
- 4) AT+CUSBMSS=0. //unmap the T Flash card, since the module and the PC can't operate the T Flash card at one time.
- 5) Reset again //T Flash card will disappeared at PC side
- 6) AT+FSCD=D:/ //enter into the directory where delta package resides in
- 7) AT+CDELTA="delta_1_2.mld"
- 8) Just reset the module, let module itself to update the firmware.

NOTE: SIM5210/SIM5218/SIM5220 have no "+CSUBMSS" command, so one must copy the delta package to the T Flash card by other means or just use Example1 to update the firmware.

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