SIMCOM WCDMA Wireless Module

SIM5215/16 SD Card Update Application Note

Revision Note

FAQ

Application Note

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Version history

Date	Version	Description of change	Author
2010-08-12	1.0	Origin	3G Team

1 Introduction

1.1 Overview

SIMcom modules provide a Firmware update method that called SD Card Update.It means that user can use SD Card which the new Firmware has been put in to update the old Firmware in the SIMcom modules.

1.2 Scope of the document

This document is intended for the following versions of the SIMCom modules
 - SIM5215E/ SIM5216E

2 Update procedure

1: Copy

First, when user want to update the FW, user will get the FW as the following：Amss.mbn, dbl.mbn, osbl.mbn, fsbl.mbn, partition.mbn, NPRG6270.hex, ENPRG6270.hex.Then user should copy them to one SD card, and save them in the root directory of the SD card.

2:Update

User connect the SD card to SIMcom modules by using the SDcard interface in some EVBs or other products of user. Then user must pull down GPIO0 and press the RESET/ POWERON key to reboot/boot the modules. When the status led is lighted on, GPIO0 should be pulled up to its default status.The lighted LED means that the update is going. After more that ten seconds, the LED will be lighted off, meanwhile the modules will be reset. So the update is completed.

NOTE:
1. **Pulling down GPIO0 when SIMcom module is booting up, is to enable the SD Card Update function.**
2. **The status LED indicates that the update is going on when booting.**
3. **This update function does not support QCN. So if the flash in the modules will be erased, please do backup QCN by QDL at first.**
4. **This function is supported by the version QSC6240/6270_1575 and later version.**

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