

SC60 Android SDK Download User Guide

Smart LTE Module Series

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About the Document

History

Revision	Date	Author	Description
1.0	2017-09-30	Hank HAN	Initial
1.1	2018-05-31	Hank HAN	<ol style="list-style-type: none">1. Provided an example in Chapter 3.1 to show the accomplishment of Google standard Android SDK download.2. Added the SDK download paths for SC60 (Chapter 4).

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1 Introduction

This document mainly introduces how to download Quectel SC60 module's Android SDK. SC60 Android SDK includes two parts: Google standard Android SDK and SC60 platform dependent SDK. Customers have to download the two parts separately, and then merge them together. The following chapters provide details on how to download these SDKs.

2 Install Download Tools

It is recommended to download SC60 Android SDK based on Ubuntu system.

1. Before downloading, it is needed to install the following tools on Ubuntu.

- Install the curl tool

```
sudo apt-get install curl //install curl tool
```

- Install repo tool

```
sudo curl http://commondatastorage.googleapis.com/git-repo-downloads/repo //download repo
```

- Install git tool

```
sudo apt-get install git
```

2. Configure user email and name

```
sudo git config --global user.email "your@example.com"  
sudo git config --global user.name "Your Name"
```

3 SC60 SDK Download Demo

3.1. Google Standard Android SDK Download

Use repo command to pull code from Google platform.

```
repo init -u git://codeaurora.org/platform/manifest.git -b release -m XXX.xml  
--repo-url=git://codeaurora.org/tools/repo.git --repo-branch=caf-stable  
repo sync
```

NOTE

The above is only a reference example for the repo command. For the detailed command of corresponding models, please refer to **Chapter 4**.

```
smart1@smart1-build:~/code/tmp_code$ sudo repo init -u git://codeaurora.org/platform/manifest.git -b release -m LA.BR.1.2.3-10210-8x09.0.xml --repo-url=git://codeaurora.org/tools/repo.git --repo-branch=caf-stable  
Get git://codeaurora.org/tools/repo.git  
remote: Counting objects: 3614, done.  
remote: Total 3614 (delta 0), reused 0 (delta 0)  
Receiving objects: 100% (3614/3614), 795.07 KiB | 0 bytes/s, done.  
Resolving deltas: 100% (2434/2434), done.  
From git://codeaurora.org/tools/repo  
* [new branch]      aosp-new/maint -> origin/aosp-new/maint  
* [new branch]      aosp-new/master -> origin/aosp-new/master  
* [new branch]      aosp-new/stable -> origin/aosp-new/stable  
* [new branch]      caf-stable -> origin/caf-stable  
* [new branch]      master -> origin/master  
* [new branch]      stable -> origin/stable
```

```
smart1@smart1-build:~/code/tmp_code$ sudo repo sync  
Fetching project platform/prebuilts/clang/linux-x86/mips/3.3  
Fetching project platform/external/opencv  
remote: Counting objects: 10459, done.  
remote: Compressing objects: 100% (3/3), done.  
remote: Total 10459 (delta 1), reused 0 (delta 0)  
Receiving objects: 100% (10459/10459), 2.62 MiB | 0 bytes/s, done.  
Resolving deltas: 100% (8977/8977), done.
```

When "**Syncing work tree...done**" (as shown and marked below) is shown on the screen, it indicates that the downloading of Google standard Android SDK has been completed.

```

Fetching project platform/external/naver-fonts
Fetching projects: 98% (516/526) Fetching project platform/hardware/qcom/gps
Fetching project platform/external/tcpdump
Fetching project platform/packages/apps/BasicSmsReceiver
Fetching project platform/frameworks/ex
Fetching project platform/prebuilts/clang/darwin-x86/3.2
Fetching projects: 99% (521/526) Fetching project platform/external/fonttools
Fetching project platform/external/droiddriver
Fetching project platform/external/contrack-tools
Fetching project platform/external/sepolicy
Fetching project platform/external/chromium_org/third_party/brotli/src
Fetching projects: 100% (526/526), done.
Syncing work tree: 100% (525/525), done.

```

3.2. SC60 Platform Dependent SDK Download

Quectel provides a SharePoint URL for customers to download SC60 platform dependent SDK. Customers need to provide an email address of their project manager for SC60, and then Quectel will create a SharePoint account with this email address. Additionally, if there is an important patch release, Quectel will release it to this email address.

After login, please enter *SC60/SC60_AndroidSDK/* folder and then select the correct Android version, thus to get the *SC60_Androidx.x.x_Quectel_SDK_xxx.tar.gz* which is just the platform dependent SDK.

Files > Public > SC60 > SC60_AndroidSDK

Name ↑	Modified	Modified By	File Size	Sharing
Android7.1.2	January 8	reagan.li		Shared

Figure 1: SC60 Android SDK Directory

NOTE

For the detailed download path of corresponding models, please refer to **Chapter 4**.

3.3. Merge Two SDKs

1. Extract *SC60_Androidx.x.x_Quectel_SDK_xxx.tar.gz* (SC60 platform dependent SDK) by using the command below.

```
tar -zxvf SC60_Androidx.x.x_Quectel_SDK_xxx.tar.gz
```



```
root@smart-git:~/patch_code# ls
bootable  build  device  external  frameworks  kernel  packages  vendor
```

2. Google standard Android SDK.

```
root@smart-git:~/google_android# ls
abi      build.sh  device    kernel      ndk        sdk
art      cts      docs      libcore     out        system
bionic   dalvik    external  libnativehelper  packages  tools
bootable developers frameworks log         pdk        vendor
build    development hardware  Makefile    prebuilts
```

3. Copy the extracted files to Google standard Android SDK forcibly, to cover the files with the same name.

```
cp -rf patch_code/* google_android/
```

4 SC60 SDK Download Paths

4.1. Android 7.1.2 SDK Download

- Use the repo command below to acquire Google standard Android SDK for SC60 modules with Android 7.1.2:

```
repo init -u https://source.codeaurora.org/quic/la/platform/manifest.git -b release -m  
LA.UM.5.6.r1-06700-89xx.0.xml --repo-url=git://codeaurora.org/tools/repo.git --repo-branch=caf-stable
```

- Platform dependent SDK download path (from SharePoint document management system):

SC60/SC60_AndroidSDK/Android7.1.2/SC60_Android7.1.2_Quectel_SDK_xxx.tar.gz