

1. DragonBoard 410C Overview

Overview of the DragonBoard 410C can be found in the **FOLLOWING VIDEO** [DragonBoard 410C Overview](#)

2. Getting and Starting up the DragonBoard™ 410c

Order the board from [arrow.com](#)

Register with [95boards.org](#)

Register with [Qualcomm](#) [qualcomm.com](#)

The **FOLLOWING VIDEO** describes Bringing Up the DragonBoard 410C [Bringing up the Board Natively](#)

3. Development Environment 3.1 Android Studio

For Android Development **Android Studio** with **JDK 7** and up will be used

Android Studio Resources can be found in [developer.android.com](#) the following URL

3.2 ADB Terminology

adb devices List Android devices connected to PC/Host

adb shell Creates Terminal Session

adb root RUns the ADB as a root user

adb push Sends a file from the host to the device

adb pull Downloads a file from the device

adb kill-server Stops the server

ADB Complete Reference URL [ADB Reference Resource](#)

3.3 Setting up ADB USB for Windows Hosts

The procedure described in the following URL is needed for Windows Hosts only [ADB USB Setup\(Windows\)](#)

3.4 Using ADB Over Wi-Fi

Using ADB Over Wi-Fi with the DragonBoard 410C is Described in the **FOLLOWING VIDEO** [Using ADB over Wi-Fi\(Windows\)](#)

Changing your Operating System

SD, Fastboot

download [download from 96boards.org](#), also download [win32diskimager from sourceforge.net](#)

Path variables

Flash to microSD

flash to DragonBoard

3.5 Fastboot Protocol (ADB and Fastboot Commands)

The following is an ADB and fastboot command reference URL <http://techbeasts.com/2014/01/05/useful-adb-and-fastboot-commands-and-how-to-them>

4. Supplement Material - 4.1 Unix Commands

ls List the contents of the current directory

cd Change directory

echo Print/calls something out of the terminal

cat Outputs contents of a file to a different a different I/O

export Used to create a path variable

(sudo) su Enter superuser mode

chmod Changes file permissions(read, write, execute)

exit/quit Exit/quit current mode

. Current directory

.. Parent directory

./ Executes files

4.2 Supplement Material - MS-DOS

dir Displays the content of a directory/folder

cls Clears the skin(display)

copy Copy files to a destination of choice

echo Prints/calls something out to the terminal

del Deletes a file

undelete Restores a deleted file

print Prints the contents of a text file

mkdir* Make a new folder



5. Development Environment Setup - Git

git init Initializes a git repository	git init
git clone Copies a git repository to your local computer	git clone <repository location>
git add Adds file to track	git add <file name>
git rm Remove files from being tracked	git rm <file name>
git commit Create a snapshot of a repository	git commit
git push Uploads all local branch commits to online repository	git push <remote-name> <branch-name>.
git pull Pull snapshots from online to local repository	git pull <remote>
git cheat sheet URL	Git Reference

Recovering from a Bricked Board

Soft Brick
Hard Brick
Rescuing a Soft Bricked Board
Brick Prevention:
- GPIO Brick Prevention
- Deleting Partition Tables Prevention



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Page 2 of 2.

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