

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



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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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