

# Exynos4412 Mango220

## Intitializing a Build Environment

<http://www.mangoboard.com/>

<http://cafe.naver.com/embeddedcrazyboys>

**Crazy Embedded Laboratory**



# Document History

Revision	Date	Change note

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# 1. Intitializing a Build Environment

Host PC : Ubuntu 12.04 64bit

Toolchain

GCC version :gcc version 4.4.7 (Ubuntu/Linaro 4.4.7-1ubuntu2)

ARM GCC: gcc version 4.4.1 (Sourcery G++ Lite 2010q1-202)

Filesystem : buildroot <http://buildroot.uclibc.org/download.html>

## 1.1. GCC Setting

```
$ sudo apt-get install gcc-4.5 g++-4.5 build-essential gcc-4.5-multilib g++-4.5-multilib
$ sudo apt-get install gcc-4.5 g++-4.4 build-essential gcc-4.4-multilib g++-4.4-multilib

$ sudo update-alternatives --install /usr/bin/gcc gcc /usr/bin/gcc-4.6 40 ₩
--slave /usr/bin/g++ g++ /usr/bin/g++-4.6

$ sudo update-alternatives --install /usr/bin/gcc gcc /usr/bin/gcc-4.5 60 ₩
--slave /usr/bin/g++ g++ /usr/bin/g++-4.5

$ sudo update-alternatives --install /usr/bin/gcc gcc /usr/bin/gcc-4.4 80 ₩
--slave /usr/bin/g++ g++ /usr/bin/g++-4.4

$ sudo update-alternatives --config gcc
```

Gcc 4.4 설정

## 1.2. Toolchain install

```
$ cd /opt
$ sudo wget http://crztech.iptime.org:8080/Release/Toolchain/arm-2009q3-67-arm-none-linux-gnueabi-i686-pc-linux-gnu.tar.bz2
$ sudo tar xvf arm-2009q3-67-arm-none-linux-gnueabi-i686-pc-linux-gnu.tar.bz2
```

## 1.3. Package install

```
$ sudo apt-get install git-core gnupg flex bison gperf build-essential ₩
zip curl libc6-dev libncurses5-dev:i386 x11proto-core-dev ₩
```

```
libx11-dev:i386 libreadline6-dev:i386 libgl1-mesa-dev:i386 ₩  
g++-multilib mingw32 openjdk-6-jdk tofrodos python-markdown ₩  
libxml2-utils xsltproc zlib1g-dev:i386
```

```
sudo apt-get install gcc-multilib  
sudo apt-get install libc6-dev-i386  
sudo apt-get install ia32-libs  
sudo apt-get install lib32z-dev  
sudo apt-get install libusb-dev:i386
```

```
$ sudo apt-get install git-core bison flex g++ gettext texinfo libncurses5-dev  
$ sudo apt-get install automake
```

Buildroot 컴파일 시

```
sudo apt-get install libncurses5-dev
```

안드로이드 컴파일 시

```
sudo apt-get install libncurses5-dev:i386
```