

## OMAP3517 编译 QT 库步骤

### 一、编译 tslib 库：

1、解压缩：tar zxvf tslib-1.4.tar.gz

2、/configure --prefix=/usr/local/tslib/ --host=arm-linux ac\_cv\_func\_malloc\_0\_nonnull=yes

3、make && make install

4、file /usr/local/tslib/bin/ts\_calibrate, 会得到如下提示信息: /usr/local/tslib/bin/ts\_calibrate: ELF 32-bit LSB executable, ARM, version 1 (SYSV), dynamically linked (uses shared libs), for GNU/Linux 2.6.32, not stripped, 交叉编译 tslib 成功。

tar zxvf qt-everywhere-opensource-src-4.6.2.tar.gz

### 二、编译 QT 库：

修改 mkspecs/qws/linux-arm-g++/qmake.conf。

# qmake configuration for building with arm-linux-g++

include(../common/g++.conf)

include(../common/linux.conf)

include(../common/qws.conf)

# modifications to g++.conf

QMAKE\_CC = arm-linux-gcc -lts (如果不加上-lts 选项, 可能在引用 tslib 库文件的时候提示找不到)

QMAKE\_CXX = arm-linux-g++ -lts

QMAKE\_LINK = arm-linux-g++ -lts

QMAKE\_LINK\_SHLIB = arm-linux-g++ -lts

# modifications to linux.conf

QMAKE\_AR = arm-linux-ar cqs

QMAKE\_OBJCOP = arm-linux-objcopy

QMAKE\_STRIP = arm-linux-strip

load(qt\_config)

```
./configure -prefix /opt/qt4.6.2-Leaving -release -shared -fast -no-pch -no-qt3support -qt-sql-sqlite
-no-libtiff -no-libmng -qt-libjpeg -qt-libpng -qt-zlib -qt-freetype -no-openssl -nomake examples
-nomake demos -optimized-qmake -no-phonon -no-nis -no-opengl -no-cups -no-xcursor
-no-xfixes -no-xrandr -no-xrender -no-xkb -no-sm -no-xinerama -no-xshape
-no-separate-debug-info -xplatform qws/linux-arm-g++ -embedded arm -no-qvfb -qt-gfx-linuxfb
-no-gfx-qvfb -no-kbd-qvfb -no-mouse-qvfb -confirm-license -qt-mouse-tslib
-no-feature-QWS_CURSOR (去鼠标指针) -I /usr/local/tslib/include -L /usr/local/tslib/lib
Gmake && gmake install
```

复制到开发板。配置文件如下：

/etc/profile:

export TSLIB\_TSDEVICE=/dev/input/event1

export TSLIB\_FBDEVICE=/dev/fb0

export QWS\_MOUSE\_PROTO=Tslib:/dev/input/event1

#export QWS\_MOUSE\_PROTO='Tslib:/dev/input/event0 Auto:/dev/input/event1'

```
export T_ROOT=/usr/local/tslib
export TSLIB_CONSOLEDEVICE=none
export TSLIB_FBDEVICE=/dev/fb0
export TSLIB_PLUGINDIR=$T_ROOT/lib/ts
export TSLIB_CONFFILE=$T_ROOT/etc/ts.conf
export TSLIB_CALIBFILE=/etc/pointercal
```

ts.conf:

```
module_raw input
module pthres pmin=1
module variance delta=30
module dejitter delta=100
module linear
```