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SINA33-V1.0 android系统的编译过程



芯灵思FAE 助工

2016-05-17 16:44:49 打赏

只看楼主 1楼

SINA33 -V1.0编译Android系统

(一)解压Android源码

1.lichee:源码位置:光盘\源码\lichee.tar.gz

将其拷贝到自己的工作目录下,进行解压

tar zxvf lichee.tar.gz

sinlinx@sinlinx:~/a33/output\$ ls android.tar.bz2.aa android.tar.bz2.ac lichee.tar.gz android.tar.bz2.ab android.tar.bz2.ad sinlinx@sinlinx:~/a33/output\$ tar zxvf lichee.tar.gz

2.Android:源码位置:光盘\源码\android.tar.bz2.a*

将其拷贝到自己的工作目录下,进行解压

Cat android.tar.bz2.a*|tar xj

sinlinx@sinlinx:~/a33/output\$ ls android.tar.bz2.aa android.tar.bz2.ac lichee android.tar.bz2.ab android.tar.bz2.ad lichee.tar.gz sinlinx@sinlinx:~/a33/output\$ cat android.tar.bz2.a* | tar xj

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奖!发布技术笔记,技术评测贴换取 您心仪的礼品

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3.其中lichee目录为uboot、linux以及一些脚本配置的源码·android目录为android 部分的源码。这两部分需要分开编译。

(二)编译lichee目录

1.进入lichee目录

cd lichee

2.第一次编译前执行配置命令,后续再次编译可省略。

./build.sh config

选择0 sun8iw5p1 回车

选择0 android 回车

选择0 linux-3.4 回车

选择4 y3 回车

```
sinlinx@sinlinx:-/a33/output/lichee
sinlinx@sinlinx:-/a33/output/lichee$ ./build.sh config

Welcome to mkscript setup progress
All available chips:
0. sun8iw5p1
Choice: 0
All available platforms:
0. android
1. dragonboard
2. linux
Choice: 0
All available kernel:
0. linux-3.4
Choice: 0
All available boards:
0. evb
1. maple
2. redwood
3. y2
4. y3
Choice: 4
sinlinx@sinlinx:-/a33/output/lichee$
```

3.编译lichee目录

./build.sh

4.编译完成

(三)编译android目录

1.进入android目录

cd android

2.设置环境变量

Source build/envsetup.sh

打赏帖

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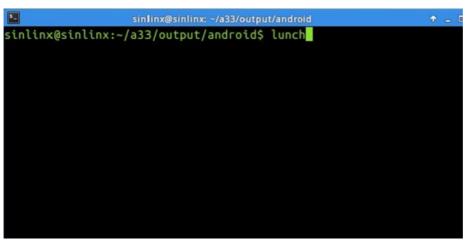
来PI BridgeSwitch™ 技术中心探秘半桥电 机驱动器新技术

3.选择配置方案

Lunch

输入我们选择的配置方案

选择9回车





```
TARGET_BUILD_TYPE=release

TARGET_BUILD_APPS=

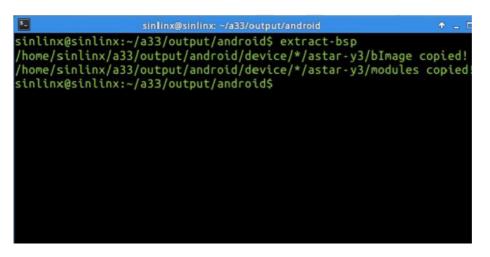
TARGET_ARCH=arm

TARGET_ARCH_BUILD_APPS=

TARGET_ARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_SARCH_S
```

4. 拷贝lichee目录下编译好的uboot跟kernel

extract-bsp



5.编译(j8为8线程编译,请根据自己的PC机的CPU能力选择线程数)

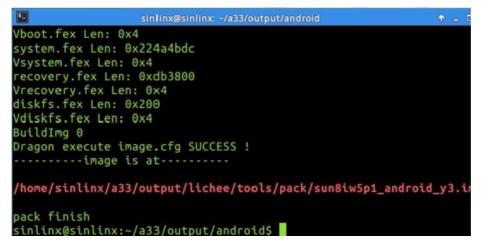
make -j8

```
Blocks per group: 32768
Inodes per group: 8192
Inode size: 256
Journal blocks: 3072
Label:
Blocks: 196608
Block groups: 6
Reserved block group size: 47

Created filesystem with 1669/49152 inodes and 143149/196608 block:
+ '[' 0 -ne 0 ']'
Install system fs image: out/target/product/astar-y3/system.img
out/target/product/astar-y3/system.img+out/target/product/astar-y3
obj/PACKAGING/recovery_patch_intermediates/recovery_from_boot.p masize=822163584 blocksize=4224 total=577593476 reserve=8308608
sinlinx@sinlinx:~/a33/output/android$
```

6.编译完之后进行打包

pack



最后生成可以烧写的镜像sun8iw5p1 android y3.img

镜像所在的目录为lichee/tools/pack

回复

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