mx53 SD 分区说明

1、修改分区脚本 mksdcard.sh

```
#!/bin/sh

#edited by zhangshaoyan,2012/12/25
#uboot:10MB
#root:1GB-uboot
#user:4GB-uboot-root

# destroy the partition table
node=$1
dd if=/dev/zero of=${node} bs=1024 count=1
# call sfdisk to create partition table
sfdisk --force -uM ${node} << EOF
10,1024,83
1025,,83
EOF
```

2、修改烧写控制文件 ucl.xml

```
<CMD type="push" body="$ sh mksdcard.sh /dev/mmcblk0"> Partitioning...</CMD>

<CMD type="push" body="mknod block/mmcblk0,mmcblk0p1,/dev/mmcblk0p1,mmcblk0p2,/dev/mmcblk0p2,block"/>

<CMD type="push" body="$ dd if=/dev/zero of=/dev/mmcblk0 bs=512 seek=1536 count=16">Clean U-Boot environment</CMD>
<CMD type="push" body="send" file="imb_dci/u-boot-imb_dci.bin">Sending u-boot.bin</CMD>
<CMD type="push" body="$ dd if=$FILE of=/dev/mmcblk0 bs=512 seek=2 skip=2">write U-Boot to SD</CMD>
<CMD type="push" body="send" file="imb_dci/uImage-imb_dci">Sending kernel uImage</CMD>
<CMD type="push" body="$ dd if=$FILE of=/dev/mmcblk0 bs=512 seek=2048">write kernel image to SD</CMD>
<CMD type="push" body="$ mkfs.ext3 -j /dev/mmcblk0p1">Formatting rootfs partition</CMD>

<CMD type="push" body="$ mkfs.ext3 -j /dev/mmcblk0p2">Formatting userfs partition</CMD>

<CMD type="push" body="$ mkdir -p /mnt/mmcblk0p1"/>
<CMD type="push" body="$ mount -t ext3 /dev/mmcblk0p1 /mnt/mmcblk0p1"/>
<CMD type="push" body="pipe tar -jxv -C /mnt/mmcblk0p1" file="imb_dci/rootfs-imb_dci.tar.bz2">Sending and writting rootfs</CMD>
<CMD type="push" body="frf">Finishing rootfs write</CMD>
<CMD type="push" body="$ umount /mnt/mmcblk0p1">Unmounting rootfs partition</CMD>
```

3、修改/etc/fstab 开机自动挂载分区

```
mknod /dev/mmcblk0p1 b 179 1
mknod /dev/mmcblk0p2 b 179 2
mount -t ext3 /dev/mmcblk0p2 /tmp
```

```
/ # cat /etc/fstab
proc       /proc     proc      defaults          0         0
sysfs      /sys      sysfs     defaults          0         0
/dev/mmcblk0p2  /home  ext3     defaults          0          0
/ # _
```

```
Filesystem           Size      Used Available Use% Mounted on
/dev/root          1007.9M     42.1M    914.6M   4% /
/dev/mmcblk0p2        2.6G     68.1M      2.4G   3% /home
/ # _
```

由上图可见，分区 1，/dev/mmcblk0p1 大约为 1GB，分区 2，/dev/mmcblk0p2 大约为 2.6GB，合计共 3.6GB，大约为 4GB。

4、完毕！

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张绍言
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