

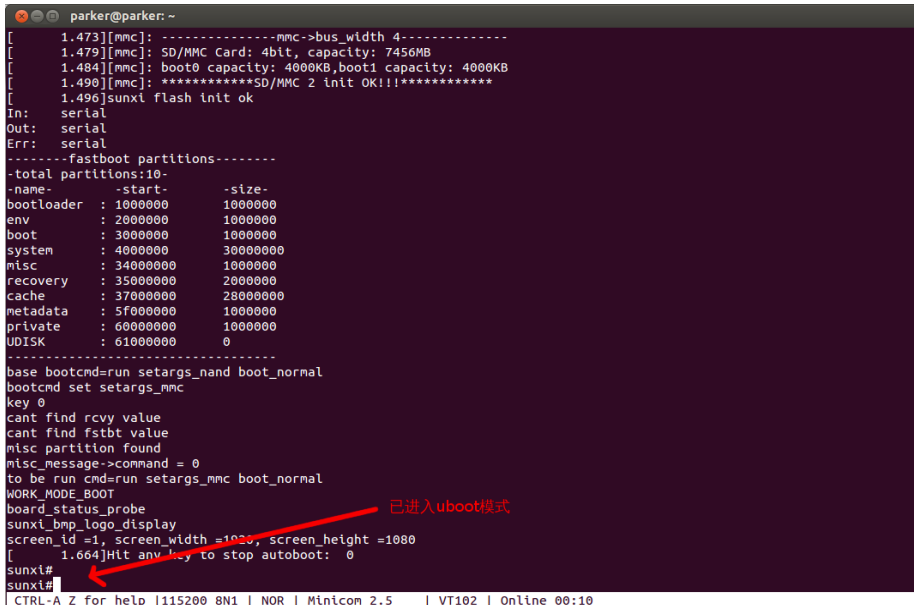
CC-A80 android sys_config Configuration method

The first thing you need to connect a serial port on board.
As shown in figure in the ubuntu computer terminal input

```
$ sudo minicom
```

(windows system of the computer can use the terminal)

For CC-A80 board after electrify, immediately press the keyboard "s" long, about 2, 3 seconds after the board will enter uboot mode, as shown in figure




```
parker@parker: ~
[ 1.473][mmc]: -----mmc->bus_width 4-----
[ 1.479][mmc]: SD/MMC Card: 4bit, capacity: 7456MB
[ 1.484][mmc]: boot0 capacity: 4000KB,boot1 capacity: 4000KB
[ 1.490][mmc]: *****SD/MMC 2 Init OK!!*****
[ 1.496]sunxi flash init ok
In: serial
Out: serial
Err: serial
-----fastboot partitions-----
-total partitions:10-
-name-      -start-      -size-
bootloader : 10000000  1000000
env         : 20000000  1000000
boot        : 30000000  1000000
system      : 40000000  30000000
misc        : 34000000  1000000
recovery    : 35000000  2000000
cache       : 37000000  28000000
metadata    : 5f000000  1000000
private     : 60000000  1000000
UDISK       : 61000000  0
-----
base bootcmd=run setargs_nand boot_normal
bootcmd set setargs_mmc
key 0
cant find rcvy value
cant find fstbt value
misc partition found
misc_message->command = 0
to be run cmd=run setargs_mmc boot_normal
WORK_MODE_BOOT
board_status_probe
sunxi_bmp_logo_display
screen_id =1, screen_width =1024, screen_height =1080
[ 1.664]Hit any key to stop autoboot:  0
sunxi#
sunxi#
CTRL-A Z for help [115200 8N1 | NOR | Minicom 2.5 | VT102 | Online 00:10
```

Then we can start setting sys_config configuration content,
here basically use setcfg this command, the command usage,
and parameters:

```
# setcfg main_key sub_key
```

Note: refer to the following figure shows: main_key corresponding to 3g_para, corresponding to three sub_key g_used, 3g_usbc_num etc, and the following section.

Explain sys_config configurable item (in 3g, for example), the following figure



```
-----
;3G configuration
-----
[3g_para]
3g_used          = 0
3g_usbc_num      = 3
3g_uart_num      = 4
bb_name          = "mu509"
bb_vbat          =
bb_on            =
bb_pwr_on        =
bb_wake          =
bb_rf_dis        =
bb_rst           =
bb_dldo          = "exp22_sw0"
bb_dldo_min_uv   = 5000000
bb_dldo_max_uv   = 5000000
-----
```

Annotations in the image:

- main_key points to [3g_para]
- sub_key points to the list of items below [3g_para]
- 数字项 (Number item) points to 0
- 字符串项 (String item) points to "mu509"
- 空项 (Empty item) points to bb_vbat
- GPIO项 (GPIO item) points to port:PM02<1><<default><default><0>

1.Number item changes

If we want to change 3g_para 3g_used in this item, you can use the command:

```
# setcfg 3g_para 3g_used
```

Then the terminal will print :

```
3g_used : 0?
```

The output mean 3g_used current values for "0". If you need to change, in the "?" Right after the digital input, press the return key, as shown:



```
sunxi#setcfg 3g_para 3g_used
--3g_para--
3g_used : 0?1
sunxi#
```

No need to modify, press enter to skip directly.

2.String item changes

If we want to change 3g_para bb_name in this item, you can use the command:

```
# setcfg 3g_para bb_name
```

Then the terminal will print :

```
bb_name : mu509
```

```
?
```

The output mean bb_name current values for "mu509". If you need to change, in the "?" Right after the digital input, press the return key, as shown:

```
sunxi#setcfg 3g_para bb_name
--3g_para--
bb_name : mu509
?EM770W
```

Here I changed to "EM770W",No need to modify, press enter to skip directly.

3.Empty item changes

Empty item shall be the default using "default", the tool cannot be modified to empty, if the parameter selected empty, will jump out. As shown in figure:

```
# setcfg 3g_para bb_vbat
```

```
sunxi#setcfg 3g_para bb_vbat
--3g_para--
bb_vbat : default
sunxi#
```

4.GPIO item changes

GPIO item setting is longer, if you use the command:

```
# setcfg 3g_para bb_on
```

Will be in order to modify the `port:PM02<1><default><default><0>` this in all parameters, modifying methods as above, "?" On the left is the current value, "?" Fill out need to modify the value on the right, don't fill represents not modify, after press the return key to jump to the next item parameter changes. As shown in figure:

```
sunxi#setcfg 3g_para bb_on
--3g_para--
bb_on :
=====
PORT : H?G
PORT_NUM :2?
MUL_SEL :1?0
PULL :-1?1
DRV_LEVEL :-1?
DATA :0?
=====
sunxi#
```

The diagram, I put the `port:PM02<1><default><default><0>` changed to `port:PG02<0><1><default><0>`

```
bb_on = port:PM02<1><default><default><0>
```

`PORT :` Corresponding control type "PM"

`PORT_NUM:` The corresponding pin number "02"

`MUL_SEL:` Corresponding to the first Angle brackets "<1>"



Web: <http://cubieboard.org/>

E-mail: support@cubietech.com

PULL: Corresponding to the second Angle brackets “<default>”

DRV_LEVEL: Corresponding to the third Angle brackets “<default>”

DATA: Corresponding to the fourth Angle brackets “<0>”

Finally, when after the configuration change, you need to use the command to save. And then reset the configuration can take effect.

```
# savecfg
```

5.Special instructions

setcfg can carry only one parameter, such as :

```
# setcfg 3g_para
```

In this way, can be configured in turn 3 g_para all the options.

In addition, setcfg cannot make no options, if no 3 g_para sys_cong, then we can't use setcfg add and modify.