

```
HELLO! BOOT0 is starting!
boot0 version : 4.0.0
fel_flag = 0x00000000
rtc[0] value = 0x00000000
rtc[1] value = 0x00000000
rtc[2] value = 0x00000000
rtc[3] value = 0x00000000
rtc[4] value = 0x00000000
rtc[5] value = 0x00000000
rtc[6] value = 0x00000000
rtc[7] value = 0x00000000
DRAM DRIVE INFO: V0.8
DRAM Type = 3 (2:DDR2,3:DDR3,6:LPDDR2,7:LPDDR3)
DRAM CLK = 672 MHz
DRAM zq value: 003b3bfb
READ DQS LCDL = 001f1f1f
DRAM SIZE =512 M
odt delay
dram size =512
card boot number = 2
card no is 2
sdcard 2 line count 8
[mmc]: mmc driver ver 2014-12-10 21:20:39
[mmc]: ***Try SD card 2***
[mmc]: mmc 2 cmd 8 err 00000100
[mmc]: mmc 2 cmd 8 err 00000100
[mmc]: mmc 2 send if cond failed
[mmc]: mmc 2 cmd 55 err 00000100
[mmc]: mmc 2 cmd 55 err 00000100
[mmc]: mmc 2 send app cmd failed
[mmc]: ***Try MMC card 2***
[mmc]: 8bit ddr!!!
[mmc]: MMC ver 5.0
[mmc]: SD/MMC Card: 8bit, capacity: 7456MB
[mmc]: vendor: Man 00150100 Snr 00418aea
[mmc]: product: 8WPD3
[mmc]: revision: 5.2
[mmc]: ***SD/MMC 2 init OK!!!***
sdcard 2 init ok
The size of uboot is 000dc000.
sum=4a43fa64
src_sum=4a43fa64
set_mmc_para,sdly 50M 0
set_mmc_para,sdly 25M 0
Succeed in loading uboot from sdmmc flash.
Ready to disable icache.
Jump to secend Boot.
SUNXI_NORMAL_MODE
[ 0.246]e mode
```

U-Boot 2011.09-rc1-00000-g21ef338-dirty (Jun 21 2017 - 16:05:28) Allwinner Technology

```
[    0.255]version: 1.1.0
normal mode
[    0.262]pmbus:  ready
not set main pmu id
axp_probe error
[    0.299]PMU: pll1 816 Mhz, PLL6=600 Mhz
AXI=272 Mhz, AHB=200 Mhz, APB1=100 Mhz
sid read already
fel key new mode
run key detect
no key found
no key input
dram_para_set start
dram_para_set end
normal mode
[    0.330]DRAM:  512 MiB
relocation Offset is: 15af9000
[box standby] read rtc = 0x0
[box_start_os] mag be start_type no use
user_gpio config
user_gpio ok
gic: normal or no secure os mode
workmode = 0
MMC:      2
[    0.412][mmc]: mmc driver ver 2014-12-10 9:23:00
[    0.417][mmc]: get sdc_phy_wipe fail.
[    0.421][mmc]: get sdc0 sdc_erase fail.
[    0.425][mmc]: get sdc_2xmode ok, val = 1
[    0.429][mmc]: get sdc_ddrmode ok, val = 1
[    0.433][mmc]: get sdc_f_max fail, use default 500000000Hz
[    0.439][mmc]: get card_line ok, card_line = 8
[    0.443][mmc]: get sdc_ex_dly_used fail, use default
[    0.448][mmc]: SUNXI SD/MMC: 2
[    0.462][mmc]: *Try SD card 2*
[    0.465][mmc]: mmc 2 cmd 8 err 100
[    0.471][mmc]: mmc send if cond failed
[    0.475][mmc]: mmc 2 cmd 55 err 100
[    0.480][mmc]: send app cmd failed
[    0.483][mmc]: *Try MMC card 2*
[    0.523][mmc]: ddr8
[    0.533][mmc]: CID 0x15010038 0x57504433 0x5200418a 0xea40b375
[    0.538][mmc]: MMC ver 5.0
[    0.541][mmc]: mmc clk 50000000
[    0.544][mmc]: SD/MMC Card: 8bit, capacity: 7456MB
[    0.549][mmc]: boot0 capacity: 4000KB, boot1 capacity: 4000KB
[    0.555][mmc]: ***SD/MMC 2 init OK!!!***
[    0.560][mmc]: erase_grp_size:0x400WrBlk * 0x200 = 0x80000 Byte
```

```

[      0.566][mmc]: secure_feature 0x55
[      0.569][mmc]: secure_removal_type 0x9
[      0.573]sunxi flash init ok
script config pll_de to 864 Mhz
Not Found clk pll_video1 in script
script config pll_video to 297 Mhz
DRV_DISP_Init end
boot_disp.auto_hpd=0
not auto hotplud for homlet, the default output_type is 0
[disk_read_fs] no the partition
error: open disp_rsl.fex, maybe it is not exist
check what the output_type=0
fail to find part named env
Using default environment

In:    serial
Out:   serial
Err:   serial
-----fastboot partitions-----
mbr not exist
base bootcmd=run setargs_mmc boot_normal
bootcmd set setargs_mmc
key 0
cant find rcvy value
cant find fstbt value
no misc partition is found
to be run cmd=run setargs_mmc boot_normal
the secure storage map is empty
the private part isn't exist
WORK_MODE_BOOT
adver not need show
sunxi_bmp_logo_display
[disk_read_fs] no the partition
error: open bootlogo.bmp, maybe it is not exist
sunxi bmp info error : unable to open logo file bootlogo.bmp
[      0.658]Hit any key to stop autoboot: 0
[      2.832][mmc]: blkcmt should not be 0
[      3.022][mmc]: blkcmt should not be 0
## Booting kernel from Legacy Image at 40007800 ...
   Image Name:   Linux-3.4.39
   Image Type:   ARM Linux Kernel Image (uncompressed)
   Data Size:    15224464 Bytes = 14.5 MiB
   Load Address: 40008000
   Entry Point:  40008000
   Verifying Checksum ... OK
   Loading Kernel Image ... OK
OK
[      3.377][mmc]: mmc exit start
[      3.390][mmc]: mmc 2 cmd 8 err 100
[      3.395][mmc]: mmc send if cond failed

```

```
[ 3.399][mmc]: mmc 2 cmd 55 err 100
[ 3.404][mmc]: send app cmd failed
[ 3.416][mmc]: get sdc_phy_wipe fail.
[ 3.420][mmc]: get sdc0 sdc_erase fail.
[ 3.424][mmc]: get sdc_2xmode ok, val = 1
[ 3.428][mmc]: get sdc_ddrmode ok, val = 1
[ 3.432][mmc]: get sdc_f_max fail,use default 50000000Hz
[ 3.437][mmc]: get card_line ok, card_line = 8
[ 3.442][mmc]: get sdc_ex_dly_used fail,use default
[ 3.447][mmc]: mmc 2 exit ok
[ 3.450]
```

Starting kernel ...

```
[sun8i_fixup]: From boot, get meminfo:
```

```
Start: 0x40000000
```

```
Size: 512MB
```

```
ion_carveout reserve: 160m@0 256m@0 130m@1 200m@1
```

```
ion_reserve_common: ion reserve: [0x56000000, 0x60000000]!
```

```
[ 0.000000] Booting Linux on physical CPU 0
```

```
[ 0.000000] Initializing cgroup subsys cpu
```

```
[ 0.000000] Linux version 3.4.39 (h3@chrysaor-info-ubuntu-14041-desktop-amd64)
```

```
(gcc version 4.6.3 20120201 (prerelease) (crosstool-NG
```

```
linaro-1.13.1-2012.02-20120222 - Linaro GCC 2012.02) ) #369 SMP PREEMPT Fri Aug 9
```

```
17:01:02 MYT 2019
```

```
[ 0.000000] cma: CMA: reserved 160 MiB at 56000000
```

```
[ 0.000000] PERCPU: Embedded 8 pages/cpu @c2608000 s11840 r8192 d12736 u32768
```

```
[ 0.000000] Kernel command line: console=ttyS0,115200 root=/dev/mmcblk0p2
```

```
init=/init
```

```
[ 0.000000] PID hash table entries: 2048 (order: 1, 8192 bytes)
```

```
[ 0.000000] Dentry cache hash table entries: 65536 (order: 6, 262144 bytes)
```

```
[ 0.000000] Inode-cache hash table entries: 32768 (order: 5, 131072 bytes)
```

```
[ 0.000000] Memory: 512MB = 512MB total
```

```
[ 0.000000] Memory: 320396k/320396k available, 203892k reserved, 0K highmem
```

```
[ 0.000000] Virtual kernel memory layout:
```

```
[ 0.000000] vector : 0xfffff000 - 0xfffff1000 ( 4 kB)
```

```
[ 0.000000] fixmap : 0xffff0000 - 0xffffe0000 ( 896 kB)
```

```
[ 0.000000] vmalloc : 0xe0800000 - 0xff000000 ( 488 MB)
```

```
[ 0.000000] lowmem : 0xc0000000 - 0xe0000000 ( 512 MB)
```

```
[ 0.000000] pkmap : 0xbfe00000 - 0xc0000000 ( 2 MB)
```

```
[ 0.000000] modules : 0xbfe00000 - 0xbfe00000 ( 14 MB)
```

```
[ 0.000000] .text : 0xc0008000 - 0xc09cf4fc (10014 kB)
```

```
[ 0.000000] .init : 0xc09d0000 - 0xc2019e40 (22824 kB)
```

```
[ 0.000000] .data : 0xc201a000 - 0xc209c338 ( 521 kB)
```

```
[ 0.000000] .bss : 0xc209caec - 0xc2175e08 ( 869 kB)
```

```
[ 0.000000] Preemptible hierarchical RCU implementation.
```

```
[ 0.000000] Additional per-CPU info printed with stalls.
```

```
[ 0.000000] NR_IRQS:544
```

```
[ 0.000000] Architected local timer running at 24.00MHz.
```

```
[ 0.000000] Switching to timer-based delay loop
```

```
[ 0.000000] sched_clock: 32 bits at 24MHz, resolution 41ns, wraps every 178956ms
```

```

[ 0.000000] Console: colour dummy device 80x30
[ 0.000238] Calibrating delay loop (skipped), value calculated using timer
frequency.. 4800.00 BogoMIPS (lpj=24000000)
<[ 0.000665] Mount-cache hash table entries: 512
[ 0.001858] Initializing cgroup subsys cpuacct
[ 0.001877] Initializing cgroup subsys freezer
[ 0.001920] CPU: Testing write buffer coherency: ok
[ 0.001977] ftrace: allocating 26407 entries in 78 pages
[ 0.040301] CPU0: thread -1, cpu 0, socket 0, mpidr 80000000
[ 0.040321] [sunxi_smp_prepare_cpus] enter
[ 0.040361] Setting up static identity map for 0x406dc3f8 - 0x406dc450
[ 0.041475] CPU1: thread -1, cpu 1, socket 0, mpidr 80000001
[ 0.041612] CPU2: thread -1, cpu 2, socket 0, mpidr 80000002
[ 0.041612] CPU3: thread -1, cpu 3, socket 0, mpidr 80000003
[ 0.050215] Brought up 4 CPUs
[ 0.050237] SMP: Total of 4 processors activated (19200.00 BogoMIPS).
[ 0.051009] devtmpfs: initialized
[ 0.054321] wakeup src cnt is : 1.
[ 0.054379] sunxi pm init
[ 0.054545] pinctrl core: initialized pinctrl subsystem
[ 0.065817] NET: Registered protocol family 16
[ 0.066565] DMA: preallocated 2048 KiB pool for atomic coherent allocations
[ 0.066565] script_sysfs_init success
[ 0.066565] gpiochip_add: registered GPIOs 0 to 383 on device: sunxi-pinctrl
[ 0.066565] sunxi-pinctrl sunxi-pinctrl: initialized sunXi PIO driver
[ 0.066565] hw-breakpoint: found 5 (+1 reserved) breakpoint and 4 watchpoint
registers.
[ 0.066565] hw-breakpoint: maximum watchpoint size is 8 bytes.
[ 0.066565] script config pll_video to 297 Mhz
[ 0.066565] script config pll_de to 864 Mhz
[ 0.066565] script config pll_ve to 402 Mhz
[ 0.080295] bio: create slab <bio-0> at 0
[ 0.080478] [ARISC] :sunxi-arisc driver v1.04
[ 0.090276] [ARISC] :arisc version: [v0.1.34]
[ 0.167372] [ARISC] :sunxi-arisc driver v1.04 startup succeeded
[ 0.170128] SCSI subsystem initialized
[ 0.170324] usbcore: registered new interface driver usbfs
[ 0.170417] usbcore: registered new interface driver hub
[ 0.170455] usbcore: registered new device driver usb
[ 0.170455] twi_chan_cfg()335 - [twi0] has no twi_regulator.
[ 0.170455] twi_chan_cfg()335 - [twi1] has no twi_regulator.
[ 0.170455] twi_chan_cfg()335 - [twi2] has no twi_regulator.
[ 0.170934] Linux video capture interface: v2.00
[ 0.171208] Advanced Linux Sound Architecture Driver Version 1.0.25.
[ 0.171847] Bluetooth: Core ver 2.16
[ 0.171895] NET: Registered protocol family 31
[ 0.171907] Bluetooth: HCI device and connection manager initialized
[ 0.171922] Bluetooth: HCI socket layer initialized
[ 0.171934] Bluetooth: L2CAP socket layer initialized
[ 0.171973] Bluetooth: SCO socket layer initialized

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[ 0.172243] cfg80211: Calling CRDA to update world regulatory domain
[ 0.180186] Switching to clocksource arch_sys_counter
[ 0.196798] FS-Cache: Loaded
[ 0.197132] CacheFiles: Loaded
[ 0.211196] NET: Registered protocol family 2
[ 0.211509] IP route cache hash table entries: 4096 (order: 2, 16384 bytes)
[ 0.212149] TCP established hash table entries: 16384 (order: 5, 131072 bytes)
[ 0.212474] TCP bind hash table entries: 16384 (order: 5, 196608 bytes)
[ 0.212773] TCP: Hash tables configured (established 16384 bind 16384)
[ 0.212787] TCP: reno registered
[ 0.212802] UDP hash table entries: 256 (order: 1, 8192 bytes)
[ 0.212834] UDP-Lite hash table entries: 256 (order: 1, 8192 bytes)
[ 0.213177] NET: Registered protocol family 1
[ 0.213600] RPC: Registered named UNIX socket transport module.
[ 0.213615] RPC: Registered udp transport module.
[ 0.213626] RPC: Registered tcp transport module.
[ 0.213636] RPC: Registered tcp NFSv4.1 backchannel transport module.
[ 0.315458] hw perfevents: enabled with ARMv7 Cortex_A7 PMU driver, 5 counters
available
[ 0.315610] sunxi_reg_init enter
[ 0.316564] audit: initializing netlink socket (disabled)
[ 0.316625] type=2000 audit(0.310:1): initialized
[ 0.319341] Installing knfsd (copyright (C) 1996 okir@monad.swb.de).
[ 0.320276] NTFS driver 2.1.30 [Flags: R/W].
[ 0.320926] Btrfs loaded
[ 0.320953] msgmni has been set to 945
[ 0.322321] io scheduler noop registered
[ 0.322335] io scheduler deadline registered
[ 0.322432] io scheduler cfq registered (default)
[ 0.322848] this module is used not!
[ 0.322968] [DISP]disp_module_init
[ 0.323352] cmdline,disp=
[ 0.324179] [DISP]disp_module_init finish
[ 0.324435] sw_uart_get_devinfo()1503 - uart0 has no uart_regulator.
[ 0.324455] sw_uart_get_devinfo()1503 - uart1 has no uart_regulator.
[ 0.324472] sw_uart_get_devinfo()1503 - uart2 has no uart_regulator.
[ 0.324490] sw_uart_get_devinfo()1503 - uart3 has no uart_regulator.
[ 0.325116] uart0: ttyS0 at MMIO 0x1c28000 (irq = 32) is a SUNXI
[ 0.325133] sw_uart_pm()890 - uart0 clk is already enable
[ 0.325154] sw_console_setup()1233 - console setup baud 115200 parity n bits 8,
flow n
[ 0.436152] console [ttyS0] enabled
[ 1.014911] uart1: ttyS1 at MMIO 0x1c28400 (irq = 33) is a SUNXI
[ 1.021952] uart2: ttyS2 at MMIO 0x1c28800 (irq = 34) is a SUNXI
[ 1.028952] uart3: ttyS3 at MMIO 0x1c28c00 (irq = 35) is a SUNXI
[ 1.041699] loop: module loaded
[ 1.045511] sunxi_spi_chan_cfg()1355 - [spi-0] has no spi_regulator.
[ 1.052596] sunxi_spi_chan_cfg()1355 - [spi-1] has no spi_regulator.
[ 1.060258] spi spi0: master is unqueued, this is deprecated
[ 1.066876] tun: Universal TUN/TAP device driver, 1.6

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[ 1.072508] tun: (C) 1999-2004 Max Krasnyansky <maxk@qualcomm.com>
[ 1.079753] can't get item for emac_power gpio !
[ 1.085542] PPP generic driver version 2.4.2
[ 1.090532] PPP BSD Compression module registered
[ 1.095755] PPP Deflate Compression module registered
[ 1.103870] PPP MPPE Compression module registered
[ 1.109199] NET: Registered protocol family 24
[ 1.114194] PPTP driver version 0.8.5
[ 1.118520] ehci_hcd: USB 2.0 'Enhanced' Host Controller (EHCI) Driver
[ 1.145881] sunxi-ehci sunxi-ehcd, EHCI 1.00
[ 1.197385] hub 1-0:1.0: USB hub found
[ 1.201597] hub 1-0:1.0: 1 port detected
[ 1.226429] sunxi-ehci sunxi-ehci.2: SW USB2.0 'Enhanced' Host Controller (EHCI)
Driver
[ 1.235356] sunxi-ehci sunxi-ehci.2: new USB bus registered, assigned bus number
2
[ 1.244395] sunxi-ehci sunxi-ehci.2: irq 106, io mem 0xf1c1b000
[ 1.270048] sunxi-ehci sunxi-ehci.2: USB 0.0 started, EHCI 1.00
[ 1.277291] hub 2-0:1.0: USB hub found
[ 1.281488] hub 2-0:1.0: 1 port detected
[ 1.306316] sunxi-ehci sunxi-ehci.3: SW USB2.0 'Enhanced' Host Controller (EHCI)
Driver
[ 1.315246] sunxi-ehci sunxi-ehci.3: new USB bus registered, assigned bus number
3
[ 1.324304] sunxi-ehci sunxi-ehci.3: irq 108, io mem 0xf1c1c000
[ 1.350047] sunxi-ehci sunxi-ehci.3: USB 0.0 started, EHCI 1.00
[ 1.357268] hub 3-0:1.0: USB hub found
[ 1.361471] hub 3-0:1.0: 1 port detected
[ 1.366284] ohci_hcd: USB 1.1 'Open' Host Controller (OHCI) Driver
[ 1.393227] sunxi-ohci sunxi-ohci.1: SW USB2.0 'Open' Host Controller (OHCI)
Driver
[ 1.401769] sunxi-ohci sunxi-ohci.1: new USB bus registered, assigned bus number
4
[ 1.410227] sunxi-ohci sunxi-ohci.1: irq 105, io mem 0xf1c1a400
[ 1.474685] hub 4-0:1.0: USB hub found
[ 1.478859] hub 4-0:1.0: 1 port detected
[ 1.503697] sunxi-ohci sunxi-ohci.2: SW USB2.0 'Open' Host Controller (OHCI)
Driver
[ 1.512237] sunxi-ohci sunxi-ohci.2: new USB bus registered, assigned bus number
5
[ 1.520686] sunxi-ohci sunxi-ohci.2: irq 107, io mem 0xf1c1b400
[ 1.584738] hub 5-0:1.0: USB hub found
[ 1.588912] hub 5-0:1.0: 1 port detected
[ 1.613761] sunxi-ohci sunxi-ohci.3: SW USB2.0 'Open' Host Controller (OHCI)
Driver
[ 1.622300] sunxi-ohci sunxi-ohci.3: new USB bus registered, assigned bus number
6
[ 1.630755] sunxi-ohci sunxi-ohci.3: irq 109, io mem 0xf1c1c400
[ 1.694718] hub 6-0:1.0: USB hub found
[ 1.698892] hub 6-0:1.0: 1 port detected

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[ 1.703690] Initializing USB Mass Storage driver...
[ 1.709329] usbcore: registered new interface driver usb-storage
[ 1.716022] USB Mass Storage support registered.
[ 1.721225] usbcore: registered new interface driver ums-alauda
[ 1.727847] usbcore: registered new interface driver ums-cypress
[ 1.734585] usbcore: registered new interface driver ums-datafab
[ 1.741321] usbcore: registered new interface driver ums_eneub6250
[ 1.748237] usbcore: registered new interface driver ums-freecom
[ 1.754979] usbcore: registered new interface driver ums-isd200
[ 1.761619] usbcore: registered new interface driver ums-jumpshot
[ 1.768439] usbcore: registered new interface driver ums-karma
[ 1.774987] usbcore: registered new interface driver ums-onetouch
[ 1.781835] usbcore: registered new interface driver ums-realtek
[ 1.788555] usbcore: registered new interface driver ums-sddr09
[ 1.795202] usbcore: registered new interface driver ums-sddr55
[ 1.801911] usbcore: registered new interface driver ums-usbata
[ 1.808519] usbcore: registered new interface driver usbserial
[ 1.815079] usbcore: registered new interface driver usbserial_generic
[ 1.822395] USB Serial support registered for generic
[ 1.828012] usbserial: USB Serial Driver core
[ 1.832925] usbcore: registered new interface driver ch341
[ 1.839051] USB Serial support registered for ch341-uart
[ 1.845035] usbcore: registered new interface driver cp210x
[ 1.851283] USB Serial support registered for cp210x
[ 1.856912] usbcore: registered new interface driver ftdi_sio
[ 1.863354] USB Serial support registered for FTDI USB Serial Device
[ 1.870724] ftdi_sio: v1.6.0:USB FTDI Serial Converters Driver
[ 1.877258] usbcore: registered new interface driver option
[ 1.883504] USB Serial support registered for GSM modem (1-port)
[ 1.890590] usbcore: registered new interface driver pl2303
[ 1.896813] USB Serial support registered for pl2303
[ 1.902738] file system registered
[ 1.908550] android_usb gadget: Mass Storage Function, version: 2009/09/11
[ 1.916233] android_usb gadget: Number of LUNs=3
[ 1.921381] lun0: LUN: removable file: (no medium)
[ 1.926797] lun1: LUN: removable file: (no medium)
[ 1.932233] lun2: LUN: removable file: (no medium)
[ 1.938074] android_usb gadget: android_usb ready
[ 1.944354] mousedev: PS/2 mouse device common for all mice
[ 1.951436] ls_fetch_sysconfig_para: type err device_used = -712491208.
[ 1.958986] =====script_get_err=====
[ 1.959381] [RTC] WARNING: Rtc time will be wrong!!
[ 1.959692] sunxi-rtc sunxi-rtc: rtc core: registered sunxi-rtc as rtc0
[ 1.959754] i2c /dev entries driver
[ 1.960308] IR RC5(x) protocol handler initialized
[ 1.960484] tscdev_init: tsc driver is disabled
[ 1.960942] sunxi_wdt_init_module: sunxi WatchDog Timer Driver v1.0
[ 1.961157] sunxi_wdt_probe: devm_ioremap return wdt_reg 0xf1c20ca0, res->start
0xf1c20ca0, res->end 0xf1c20cbf
[ 1.961318] sunxi_wdt_probe: initialized (g_timeout=16s, g_nowayout=0)

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[ 1.961331] wdt_enable, write reg 0xf1c20cb8 val 0x00000000
[ 1.961343] timeout_to_interv, line 167
[ 1.961352] interv_to_timeout, line 189
[ 1.961363] wdt_set_tmout, write 0x000000b0 to mode reg 0xf1c20cb8, actual
timeout 16 sec
[ 2.040448] device-mapper: ioctl: 4.22.0-ioclt (2011-10-19) initialised:
dm-devel@redhat.com
[ 2.049870] Bluetooth: HCI UART driver ver 2.2
[ 2.063326] sunxi_leds_fetch_sysconfig_para script_parser_fetch "leds_para"
leds_used = -1063327484
[ 2.073397] =====script_get_err=====
[ 2.080381] usbcore: registered new interface driver usbhid
[ 2.086570] usbhid: USB HID core driver
[ 2.094519] asoc: sndhdmi <-> sunxi-hdmiaudio.0 mapping ok
[ 2.101705] oprofile: using arm/armv7-ca7
[ 2.106385] NET: Registered protocol family 26
[ 2.111356] u32 classifier
[ 2.114357]     Actions configured
[ 2.118130] Netfilter messages via NETLINK v0.30.
[ 2.123434] nf_conntrack version 0.5.0 (7566 buckets, 30264 max)
[ 2.130499] ctnetlink v0.93: registering with nfnetlink.
[ 2.136439] NF_TPROXY: Transparent proxy support initialized, version 4.1.0
[ 2.144186] NF_TPROXY: Copyright (c) 2006-2007 BalaBit IT Ltd.
[ 2.151015] xt_time: kernel timezone is -0000
[ 2.156026] IPv4 over IPv4 tunneling driver
[ 2.161181] gre: GRE over IPv4 demultiplexor driver
[ 2.166596] ip_gre: GRE over IPv4 tunneling driver
[ 2.172657] ip_tables: (C) 2000-2006 Netfilter Core Team
[ 2.178765] arp_tables: (C) 2002 David S. Miller
[ 2.183992] TCP: cubic registered
[ 2.187671] Initializing XFRM netlink socket
[ 2.192643] NET: Registered protocol family 10
[ 2.198799] Mobile IPv6
[ 2.201587] ip6_tables: (C) 2000-2006 Netfilter Core Team
[ 2.207791] IPv6 over IPv4 tunneling driver
[ 2.213657] NET: Registered protocol family 17
[ 2.218615] NET: Registered protocol family 15
[ 2.223689] Bridge firewalling registered
[ 2.228348] Bluetooth: RFCOMM TTY layer initialized
[ 2.233797] Bluetooth: RFCOMM socket layer initialized
[ 2.239500] Bluetooth: RFCOMM ver 1.11
[ 2.243674] Bluetooth: BNEP (Ethernet Emulation) ver 1.3
[ 2.249568] Bluetooth: BNEP filters: protocol multicast
[ 2.255380] Bluetooth: HIDP (Human Interface Emulation) ver 1.2
[ 2.262114] L2TP core driver, V2.0
[ 2.265904] PPPoL2TP kernel driver, V2.0
[ 2.270294] L2TP IP encapsulation support (L2TPv3)
[ 2.275664] L2TP netlink interface
[ 2.279468] L2TP ethernet pseudowire support (L2TPv3)
[ 2.285099] 8021q: 802.1Q VLAN Support v1.8
```

```

[ 2.289888] VFP support v0.3: implementor 41 architecture 2 part 30 variant 7 rev
5
[ 2.298422] ThumbEE CPU extension supported.
[ 2.303186] Registering SWP/SWPB emulation handler
[ 2.308518] sunxi_bootup_extend_init: bootup extend state 1
[ 2.315946] sunxi-rtc sunxi-rtc: hctosys: unable to read the hardware clock
[ 2.323714] ths_fetch_sysconfig_para: type err device_used = 1.
[ 2.331877] CPU Budget:Register notifier
[ 2.336232] CPU Budget:register Success
[ 2.340521] sunxi-budget-cooling sunxi-budget-cooling: Cooling device registered:
thermal-budget-0
[ 2.353669] ALSA device list:
[ 2.356960] #0: sndhdm1
[ 2.360238] sw_uart_set_termios()749 - uart0 write LCR(pre-dlab) failed, lcr 93
reg 13
[ 2.391727] Freeing init memory: 22820K
Initramfs: mounts and boots the rootfs
/dev/mmcblk0p1 not ready yet...
/dev/mmcblk0p1 not ready yet...
/dev/mmcblk0p1 not ready yet...
/dev/mmcblk0p1 not ready yet...
/dev/mmcblk0p1 not ready yet...
/dev/mmcblk1p1 not ready yet...
/dev/mmcblk1p1 not ready yet...
/dev/mmcblk1p1 not ready yet...
/dev/mmcblk1p1 not ready yet...
/dev/mmcblk1p1 not ready yet...
/dev/mmcblk0p2 not found and can't use as root filesystem
Waiting for rootfs to be ready
/dev/mmcblk0p2 not found and can't use as root filesystem
Waiting for rootfs to be ready
/dev/mmcblk0p2 not found and can't use as root filesystem
Waiting for rootfs to be ready
/dev/mmcblk0p2 not found and can't use as root filesystem
Waiting for rootfs to be ready
[ 22.440003] INFO: rcu_preempt self-detected stall on CPU
[ 22.440003] 0: (1 GPs behind) idle=b803/2/0
[ 22.450009] INFO: rcu_preempt detected stalls on CPUs/tasks:
[ 22.450023] 0: (1 GPs behind) idle=b03/2/0 <
[ 22.450029] a$a$E$T,m
[ 22.450035] (detected by 1, t=2002 jiffies)
[ 22.450044] INFO: Stall ended before state dump start
[ 22.440003] (t=2005 jiffies)
[ 22.440003] Backtrace for cpu 0 (current):
[ 22.440003]
[ 22.440003] sending IPI to all other CPUs:
[ 22.494136] IPI backtrace for cpu 1
[ 22.500008] IPI backtrace for cpu 2
[ 22.500009] IPI backtrace for cpu 3
/dev/mmcblk0p2 not found and can't use as root filesystem

```

[illegible]

```

/dev/mmcblk0p2 not found and can't use as root filesystem
Waiting for rootfs to be ready
/dev/mmcblk0p2 not found and can't use as root filesystem
Waiting for rootfs to be ready
/dev/mmcblk0p2 not found and can't use as root filesystem
Waiting for rootfs to be ready
/dev/mmcblk0p2 not found and can't use as root filesystem
Waiting for rootfs to be ready
/dev/mmcblk0p2 not found and can't use as root filesystem
Waiting for rootfs to be ready
[ 82.490003] INFO: rcu_preempt self-detected stall on CPU
[ 82.490003] 0: (1 GPs behind) idle=b03/2/0 04
[ 82.500009] INFO: rcu_preempt detected stalls on CPUs/tasks:
[ 82.500022] 0: (1 GPs behind) idle=b03/2/0
[ 82.500029] (detected by 1, t=8007 jiffies)
[ 82.500038] INFO: Stall ended before state dump start
[ 82.490003] (t=8009 jiffies)
[ 82.490003] Backtrace for cpu 0 (current):
[ 82.490003]
[ 82.490003] sending IPI to all other CPUs:
[ 82.538818] IPI backtrace for cpu 3
[ 82.540007] IPI backtrace for cpu 2
[ 82.540005] IPI backtrace for cpu 1
PuTTY[ 82.626952] sunxi_mci_power_off: done for sdc0
[ 82.631983] sunxi_mci_pins_off: done for sdc0
[ 82.737209] sunxi_mci_power_on: done for sdc0
[ 82.787266] *****Try sdio*****
[ 82.796742] *****Try sd *****
[ 82.868354] mmc0: new high speed SDHC card at address aaaa
[ 82.875166] mmcblk0: mmc0:aaaa SC16G 14.8 GiB
[ 82.884544] mmcblk0: p1
[ 82.888144] *****sd init ok*****
[ 82.896197] sunxi_mci_pins_off: done for sdc2
[ 82.997743] *****Try sdio*****
[ 83.007216] *****Try sd *****
[ 83.016587] *****Try mmc*****
[ 83.054432] mmc1: new high speed DDR MMC card at address 0001
[ 83.061318] mmcblk1: mmc1:0001 8WPD3R 7.28 GiB
[ 83.066580] mmcblk1boot0: mmc1:0001 8WPD3R partition 1 4.00 MiB
[ 83.073392] mmcblk1boot1: mmc1:0001 8WPD3R partition 2 4.00 MiB
[ 83.081056] mmcblk1: p1 p2
[ 83.087185] mmcblk1boot1: unknown partition table
[ 83.094052] mmcblk1boot0: unknown partition table
[ 83.099615] *****mmc init ok *****
/dev/mmcblk0p2 not found and can't use as root filesystem
Use /dev/mmcblk1p2 as the new file system
[ 83.647027] EXT4-fs (mmcblk1p2): recovery complete
[ 83.653126] EXT4-fs (mmcblk1p2): mounted filesystem with ordered data mode. Opts:
errors=remount-ro
[ 83.912940] EXT4-fs (mmcblk1p2): re-mounted. Opts: errors=remount-ro,data=ordered

```

```
automount.sh: This is root directory. Ignore!
Starting logging: OK
Populating /dev using udev: [ 84.885285] udevd[194]: starting version 3.2
[ 84.907175] udevd[195]: starting eudev-3.2
[ 85.047590] vmouse_input_dev_open
[ 85.140140] vmouse_input_dev_close
done
Initializing random number generator... done.
Starting system message bus: done
Starting network: OK
-- MESSAGE [easyioCheckComm::easyioCheckComm-v1.2] -> Linux started
-- MESSAGE [easyioCheckComm::easyioCheckComm-v1.2] -> CheckIOUART Error : 00 00 00
00
-- MESSAGE [easyioCheckComm::easyioCheckComm-v1.2] -> CheckIOUART Failed
-- MESSAGE [easyioCheckComm::easyioCheckComm-v1.2] -> CheckPassUART Error : 00 00 00
00
-- MESSAGE [easyioCheckComm::easyioCheckComm-v1.2] -> CheckPassUART Failed
-- MESSAGE [easyioCheckComm::easyioCheckComm-v1.2] -> CheckBACUART Error : 00 00 00
00
-- MESSAGE [easyioCheckComm::easyioCheckComm-v1.2] -> CheckBACUART Failed
-- MESSAGE [easyioBaseComm::BaseComm-v1.4] -> Linux started
-- MESSAGE [easyioBaseComm::BaseComm-v1.4] -> FWSerial write share memory loaded
-- MESSAGE [easyioBaseComm::BaseComm-v1.4] -> FWSerial read share memory loaded
Serial Number : 30000251
MAC Address : 38:D1:35:01:00:FB:
nmcli tool, version 1.0.12
pre-up ifconfig eth0 hw ether 38:d1:35:01:00:fb
killall: svm.exe: no process killed
STM Firmware Version : 1.0.32
Read RTC : 2021-5-21 23:25:22
Starting Network Interface Plugging Daemon: eth0.
[ 88.823259] gmac0: probed
[ 88.826347] gmac0 gmac0: eth0: eth0: PHY ID 00441400 at 0 IRQ poll (gmac0-0:00)
Starting NetworkManager ... done.
uid=1002(webuser) gid=33(www-data) groups=33(www-data)
uid=1003(easyio) gid=1003(easyio) groups=1003(easyio)
Setup V1.01
Starting ntpd: OK
Starting php-fpm done
Starting mosquitto: OK
Starting nginx...
Starting pure-ftpd...
Starting redis: OK
Starting sshd: OK
Starting tls_tunnel ...
Starting sedona: OK
-- MESSAGE [easyioFG::MbAsyncSlave-v1.0.45.13] -> Linux started
MbTCPSlave-v1.0.45.32.5
ModbusTCPSlave share memory loaded
-- MESSAGE [easyioFGP2p::FGP2p-v1.0.45.32.4] -> Linux started
```

```
-- MESSAGE [easyioFGP2p::FGP2p-v1.0.45.32.4] -> P2P share memory loaded
-- MESSAGE [easyioFGP2p::FGP2p-v1.0.45.32.4] -> Broadcast Heart Beat frequency :
34383
-- MESSAGE [easyioFGModbus::FGMbAsync.fs-v1.0.45.30] -> Linux started
-- MESSAGE [easyioFGModbus::FGMbAsync.fs-v1.0.45.30] -> RETRY_INTERVAL : 500 ms
-- MESSAGE [easyioFGModbus::FGMbAsync.fs-v1.0.45.30] -> REENABLE_INTERVAL : 5000 ms
-- MESSAGE [easyioFGModbus::FGMbAsync.fs-v1.0.45.30] -> REENABLE_RST_INTERVAL : 5
minutes
-- MESSAGE [easyioFGModbus::FGMbTCP.fs-v1.0.45.27] -> Linux started
Pstore V1.00
Wait a while for other services to be ready -- MESSAGE
[easyioFGModbus::FGMbTCPGw.fs-v1.0.45.26] -> Linux started
-- LOG      [EasyIOFG::Haystack-1.0.45.7] Build Version : Jan  5 2018 16:28:32
-- MESSAGE [easyioFG::TComSQL-v1.0.111.0] started
.-- MESSAGE [easyio::FGSms-v1.0.45.2] -> Linux started
```

Watcher V2.12

[EEPROM\_ReadFile] Use default values for file due to no file found

FG Series BACnet Service

BACnet Stack Version 0.8.4

BACnet App Version 1.43

Max APDU: 1476

System\_SetStaticConnection: connection name in nmcli: wired-eth0

System\_SetStaticConnection: Nothing to set

.

Sedona VM 1.0

buildDate: Oct 10 2019 09:43:06

endian: little

blockSize: 4

refSize: 4

Running SVM in Platform Mode

```
-- MESSAGE [sys::App] starting
```

```
-- MESSAGE [sox::SoxService] started port=1876
```

```
-- MESSAGE [tcom::TComService] started port=5021
```

```
-- MESSAGE [sys::App] running
```

```
....[ 95.173654] gmac0: probed
```

```
[ 95.176744] gmac0 gmac0: eth0: eth0: PHY ID 00441400 at 0 IRQ poll (gmac0-0:00)
```

```
[ 95.198442] ADDRCONF(NETDEV_UP): eth0: link is not ready
```

```
.. done
```

Starting mqtt-service mqtt-service: invalid config file path: /etc/mqtt-service.json

Try `mqtt-service --help' or `mqtt-service --usage' for more information.

failed

Starting SMB services: OK

Starting NMB services: OK

Starting monit

Cannot translate 'FS-00FB' to FQDN name -- Temporary failure in name resolution

Starting Monit 5.17 daemon with http interface at [127.0.0.1]:2812

Monit start delay set -- pause for 120s

Welcome to EasyIO FS  
FS-00FB login: