

U-Boot 2018.07 (Nov 15 2019 - 10:04:33 +0800) Allwinner Technology

```
CPU: Allwinner V3s (SUN8I 1681)
Model: Lichee Pi Zero
DRAM: 64 MiB
MMC: SUNXI SD/MMC: 0
Setting up a 800x480 lcd console (overscan 0x0)
dotclock: 33000kHz = 33000kHz: (1 * 3MHz * 66) / 6
In: serial@01c28000
Out: serial@01c28000
Err: serial@01c28000
Net: eth-1: ethernet@1c30000
starting USB...
No controllers found
SF: Detected mx25l12805 with page size 256 Bytes, erase size 64 KiB, total 16 MiB
device 0 offset 0x80000, size 0x150000
SF: 1376256 bytes @ 0x80000 Read: OK
Hit any key to stop autoboot: 0
SF: Detected mx25l12805 with page size 256 Bytes, erase size 64 KiB, total 16 MiB
device 0 offset 0x1d0000, size 0x4000
SF: 16384 bytes @ 0x1d0000 Read: OK
device 0 offset 0x1e0000, size 0x360000
SF: 3538944 bytes @ 0x1e0000 Read: OK
## Flattened Device Tree blob at 41800000
Booting using the fdt blob at 0x41800000
Loading Device Tree to 42df9000, end 42dff1be ... OK
```

Starting kernel ...

```
[ 0.000000] Booting Linux on physical CPU 0x0
[ 0.000000] Linux version 4.18.8-licheepi-zero (root@ubuntu) (gcc version 6.3.1 20170109 (Li
naro GCC 6.3-2017.02)) #1 SMP Tue Nov 26 14:08:56 CST 2019
[ 0.000000] CPU: ARMv7 Processor [410fc075] revision 5 (ARMv7), cr=10c5387d
[ 0.000000] CPU: div instructions available: patching division code
[ 0.000000] CPU: PIPT / VIPT nonaliasing data cache, VIPT aliasing instruction cache
[ 0.000000] OF: fdt: Machine model: Lichee Pi Zero with Dock
[ 0.000000] Memory policy: Data cache writealloc
[ 0.000000] random: get random bytes called from 0xc0800920 with crng init=0
[ 0.000000] percpu: Embedded 16 pages/cpu @(ptrval) s34444 r8192 d22900 u65536
[ 0.000000] Built 1 zonelists, mobility grouping on. Total pages: 15883
[ 0.000000] Kernel command line: console=ttyS0,115200 panic=5 rootwait rootfstype=jffs2 root
=/dev/mtdblock5 earlyprintk rw vt.global_cursor_default=0
[ 0.000000] Dentry cache hash table entries: 8192 (order: 3, 32768 bytes)
[ 0.000000] Inode-cache hash table entries: 4096 (order: 2, 16384 bytes)
[ 0.000000] Memory: 54664K/64036K available (5120K kernel code, 231K rwdatas, 1
024K init, 223K bss, 9372K reserved, 0K cma-reserved, 0K highmem)
[ 0.000000] Virtual kernel memory layout:
[ 0.000000] vector : 0xffff0000 - 0xffff1000 ( 4 kB)
[ 0.000000] fixmap : 0xffc00000 - 0xffff0000 (3072 kB)
[ 0.000000] vmalloc : 0xc4000000 - 0xff800000 ( 952 MB)
[ 0.000000] lowmem : 0xc0000000 - 0xc3e89000 ( 62 MB)
[ 0.000000] pkmap : 0xbfe00000 - 0xc0000000 ( 2 MB)
[ 0.000000] modules : 0xbf000000 - 0xbfe00000 ( 14 MB)
[ 0.000000] .text : 0x(ptrval) - 0x(ptrval) (6112 kB)
[ 0.000000] .init : 0x(ptrval) - 0x(ptrval) (1024 kB)
[ 0.000000] .data : 0x(ptrval) - 0x(ptrval) ( 232 kB)
[ 0.000000] .bss : 0x(ptrval) - 0x(ptrval) ( 224 kB)
[ 0.000000] SLUB: HWalign=64, Order=0-3, MinObjects=0, CPUs=1, Nodes=1
[ 0.000000] Hierarchical RCU implementation.
[ 0.000000] RCU event tracing is enabled.
[ 0.000000] RCU restricting CPUs from NR_CPUS=8 to nr_cpu_ids=1.
[ 0.000000] RCU: Adjusting geometry for rcu_fanout leaf=16, nr_cpu_ids=1
[ 0.000000] NR_IRQS: 16, nr_irqs: 16, preallocated irq: 16
[ 0.000000] arch_timer: cp15 timer(s) running at 24.00MHz (virt).
[ 0.000000] clocksource: arch_sys_counter: mask: 0xffffffffffffff max_cycles: 0x588fe9dc0, m
ax_idle_ns: 440795202592 ns
[ 0.000007] sched clock: 56 bits at 24MHz, resolution 41ns, wraps every 4398046511097ns
[ 0.000020] Switching to timer-based delay loop, resolution 41ns
[ 0.000188] clocksource: timer: mask: 0xffffffff max_cycles: 0xffffffff, max_idle_ns: 796358
51949 ns
[ 0.000429] Console: colour dummy device 80x30
[ 0.000472] Calibrating delay loop (skipped), value calculated using timer frequency.. 48.00
BogoMIPS (lpj=240000)
[ 0.000486] pid max: default: 32768 minimum: 301
[ 0.000647] Mount-cache hash table entries: 1024 (order: 0, 4096 bytes)
[ 0.000663] Mountpoint-cache hash table entries: 1024 (order: 0, 4096 bytes)
[ 0.001357] CPU: Testing write buffer coherency: ok
[ 0.001840] /cpus/cpu@0 missing clock-frequency property
[ 0.001865] CPU0: thread -1, cpu 0, socket 0, mpidr 80000000
[ 0.002604] Setting up static identity map for 0x40100000 - 0x40100060
[ 0.002859] Hierarchical SRCU implementation.
[ 0.003661] smp: Bringing up secondary CPUs ...
[ 0.003681] smp: Brought up 1 node, 1 CPU
[ 0.003691] SMP: Total of 1 processors activated (48.00 BogoMIPS).
[ 0.003699] CPU: All CPU(s) started in SVC mode.
[ 0.004522] devtmpfs: initialized
[ 0.007593] VFP support v0.3: implementor 41 architecture 2 part 30 variant 7 rev 5
[ 0.007927] clocksource: jiffies: mask: 0xffffffff max_cycles: 0xffffffff, max_idle_ns: 1911
2604462750000 ns
[ 0.007961] futex hash table entries: 256 (order: 2, 16384 bytes)
[ 0.008219] pinctrl core: initialized pinctrl subsystem
[ 0.009361] NET: Registered protocol family 16
```

```
[ 0.009842] DMA: preallocated 256 KiB pool for atomic coherent allocations
[ 0.011048] hw-breakpoint: found 5 (+1 reserved) breakpoint and 4 watchpoint registers.
[ 0.011066] hw-breakpoint: maximum watchpoint size is 8 bytes.
[ 0.022389] SCSI subsystem initialized
[ 0.022601] pps_core: LinuxPPS API ver. 1 registered
[ 0.022613] pps_core: Software ver. 5.3.6 - Copyright 2005-2007 Rodolfo Giometti <giometti@linux.it>
[ 0.022635] PTP clock support registered
[ 0.022814] Advanced Linux Sound Architecture Driver Initialized.
[ 0.023950] clocksource: Switched to clocksource arch_sys_counter
[ 0.034248] NET: Registered protocol family 2
[ 0.034890] tcp_listen_portaddr_hash hash table entries: 512 (order: 0, 6144 bytes)
[ 0.034924] TCP established hash table entries: 1024 (order: 0, 4096 bytes)
[ 0.034950] TCP bind hash table entries: 1024 (order: 1, 8192 bytes)
[ 0.034975] TCP: Hash tables configured (established 1024 bind 1024)
[ 0.035126] UDP hash table entries: 256 (order: 1, 8192 bytes)
[ 0.035177] UDP-Lite hash table entries: 256 (order: 1, 8192 bytes)
[ 0.037131] Initialise system trusted keyrings
[ 0.037512] workingset: timestamp_bits=30 max_order=14 bucket_order=0
[ 0.042768] jffs2: version 2.2. (SUMMARY) © 2001-2006 Red Hat, Inc.
[ 2.748496] Key type asymmetric registered
[ 2.748523] Asymmetric key parser 'x509' registered
[ 2.748663] Block layer SCSI generic (bsg) driver version 0.4 loaded (major 249)
[ 2.748677] io scheduler noop registered
[ 2.748685] io scheduler deadline registered
[ 2.748990] io scheduler cfq registered (default)
[ 2.749004] io scheduler mq-deadline registered
[ 2.749012] io scheduler kyber registered
[ 2.749966] sun4i-usb-phy lc19400.phy: Couldn't request ID GPIO
[ 2.753576] sun8i-v3s-pinctrl lc20800.pinctrl: initialized sunXi PIO driver
[ 2.754660] pwm-backlight backlight: backlight supply power not found, using dummy regulator
[ 2.854525] Serial: 8250/16550 driver, 8 ports, IRQ sharing disabled
[ 2.857507] console [ttyS0] disabled
[ 2.877780] lc28000.serial: ttyS0 at MMIO 0x1c28000 (irq = 36, base_baud = 1500000) is a U6_16550A
[ 3.432455] console [ttyS0] enabled
[ 3.439606] panel-simple panel: panel supply power not found, using dummy regulator
[ 3.447513] sun8i-v3s-pinctrl lc20800.pinctrl: pin PB4 already requested by lc21400.pwm; can not claim for lc20800.pinctrl:36
[ 3.458763] sun8i-v3s-pinctrl lc20800.pinctrl: pin-36 (lc20800.pinctrl:36) status -22
[ 3.466607] panel-simple panel: failed to request GPIO: -22
[ 3.472273] panel-simple: probe of panel failed with error -22
[ 3.480645] m25p80 spi0.0: found mx25l12805d, expected m25p80
[ 3.486524] m25p80 spi0.0: mx25l12805d (16384 Kbytes)
[ 3.492305] 6 fixed-partitions partitions found on MTD device spi0.0
[ 3.498773] Creating 6 MTD partitions on "spi0.0":
[ 3.503575] 0x0000000000000-0x000000070000 : "u-boot"
[ 3.509838] 0x0000000700000-0x000000080000 : "u-boot-env"
[ 3.516401] 0x0000000800000-0x0000001d0000 : "logo"
[ 3.522298] 0x0000001d00000-0x0000001e0000 : "dtb"
[ 3.528340] 0x0000001e00000-0x000000540000 : "kernel"
[ 3.534568] 0x0000005400000-0x000001000000 : "rootfs"
[ 3.541038] libphy: Fixed MDIO Bus: probed
[ 3.545995] dwmac-sun8i lc30000.ethernet: PTP uses main clock
[ 3.551792] dwmac-sun8i lc30000.ethernet: No regulator found
[ 3.557663] dwmac-sun8i lc30000.ethernet: Will use internal PHY
[ 3.563837] dwmac-sun8i lc30000.ethernet: Chain mode enabled
[ 3.569541] dwmac-sun8i lc30000.ethernet: No HW DMA feature register supported
[ 3.576777] dwmac-sun8i lc30000.ethernet: Normal descriptors
[ 3.582432] dwmac-sun8i lc30000.ethernet: RX Checksum Offload Engine supported
[ 3.589657] dwmac-sun8i lc30000.ethernet: COE Type 2
[ 3.594626] dwmac-sun8i lc30000.ethernet: TX Checksum insertion supported
[ 3.601607] libphy: stmmac: probed
[ 3.607583] input: lc22800.lradc as /devices/platform/soc/lc22800.lradc/input/input0
[ 3.616653] sun6i-rtc lc20400.rtc: rtc core: registered rtc-sun6i as rtc0
[ 3.623450] sun6i-rtc lc20400.rtc: RTC enabled
[ 3.628138] i2c /dev entries driver
[ 3.744080] Goodix-TS 0-005d: i2c test failed attempt 1: -6
[ 3.784067] Goodix-TS 0-005d: i2c test failed attempt 2: -6
[ 3.823930] Goodix-TS 0-005d: I2C communication failure: -6
[ 3.830371] sunxi-wdt lc20ca0.watchdog: Watchdog enabled (timeout=16 sec, nowayout=0)
[ 3.865300] sunxi-mmc lc0f000.mmc: base:0x(ptrval) irq:24
[ 3.873212] sun4i-codec lc22c00.codec: ASoC: codec-analog@01c23000 not registered
[ 3.880841] sun4i-codec lc22c00.codec: Failed to register our card
[ 3.888309] Registering SWP/SWPB emulation handler
[ 3.894205] Loading compiled-in X.509 certificates
[ 3.903643] simple-framebuffer 43e89000.framebuffer: framebuffer at 0x43e89000, 0x177000 bytes, mapped to 0x(ptrval)
[ 3.914370] simple-framebuffer 43e89000.framebuffer: format=xr8g8b8, mode=800x480x32, line length=3200
[ 3.930590] Console: switching to colour frame buffer device 100x30
[ 3.943103] simple-framebuffer 43e89000.framebuffer: fb0: simplefb registered!
[ 3.952785] sun4i-codec lc22c00.codec: ASoC: Failed to create component debugfs directory
[ 3.962684] sun4i-codec lc22c00.codec: Codec <-> lc22c00.codec mapping ok
[ 3.972106] sun6i-rtc lc20400.rtc: setting system clock to 1970-01-01 00:00:19 UTC (19)
[ 3.980512] vcc5v0: disabling
[ 3.983493] ALSA device list:
[ 3.986527] #0: V3s Audio Codec
[ 3.991726] random: fast init done
[ 4.014278] random: crng init done
[ 9.985927] jffs2: notice: (1) jffs2 build xattr subsystem: complete building xattr subsystem, 0 of xdatum (0 unchecked, 0 orphan) and 0 of xref (0 dead, 0 orphan) found.
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[ 10.005433] VFS: Mounted root (jffs2 filesystem) on device 31:5.
[ 10.012884] devtmpfs: mounted
[ 10.017297] Freeing unused kernel memory: 1024K
[ 11.410889] NET: Registered protocol family 1
Starting logging: OK
Starting mdev...
modprobe: module extracted not found in modules.dep
Initializing random number generator... [ 14.054556] usbcore: registered new interface driver
usbfs
[ 14.060120] usbcore: registered new interface driver hub
[ 14.065634] usbcore: registered new device driver usb
[ 14.196418] ehci_hcd: USB 2.0 'Enhanced' Host Controller (EHCI) Driver
done.
[ 14.219912] ehci-platform: EHCI generic platform driver
[ 14.225651] ehci-platform lcla000.usb: EHCI Host Controller
[ 14.231268] ehci-platform lcla000.usb: new USB bus registered, assigned bus number 1
[ 14.239307] ehci-platform lcla000.usb: irq 26, io mem 0x01c1a000
Starting user app: /etc/init.d/S30app: .: line 39: can't open '/sbin/SetQTEnv'
[ 14.278626] ehci-platform lcla000.usb: USB 2.0 started, EHCI 1.00
Starting network: [ 14.291915] hub 1-0:1.0: USB hub found
[ 14.317159] hub 1-0:1.0: 1 port detected
[ 14.449460] ohci_hcd: USB 1.1 'Open' Host Controller (OHCI) Driver
[ 14.490777] ohci-platform: OHCI generic platform driver
[ 14.496548] ohci-platform lcla400.usb: Generic Platform OHCI controller
[ 14.503202] ohci-platform lcla400.usb: new USB bus registered, assigned bus number 2
[ 14.511253] ohci-platform lcla400.usb: irq 27, io mem 0x01c1a400
[ 14.594488] hub 2-0:1.0: USB hub found
[ 14.614550] hub 2-0:1.0: 1 port detected
[ 14.754074] usbcore: registered new interface driver usb-storage
[ 14.855060] Generic PHY stmmac-0:01: attached PHY driver [Generic PHY] (mii_bus:phy_addr=stm
mac-0:01, irq=POLL)
[ 14.867256] dwmac-sun8i 1c30000.ethernet eth0: No MAC Management Counters available
[ 14.875037] dwmac-sun8i 1c30000.ethernet eth0: PTP not supported by HW
udhcpd: started, v1.27.2
[ 15.033441] usb_phy generic usb_phy_generic.0.auto: usb_phy_generic.0.auto supply vcc not fo
und, using dummy regulator
[ 15.045078] musb-hdrc musb-hdrc.1.auto: MUSB HDRC host driver
[ 15.050845] musb-hdrc musb-hdrc.1.auto: new USB bus registered, assigned bus number 3
[ 15.149278] hub 3-0:1.0: USB hub found
[ 15.162812] hub 3-0:1.0: 1 port detected
[ 15.458462] NET: Registered protocol family 17
udhcpd: sending discover
[ 15.691336] usbcore: registered new interface driver usbhid
[ 15.697051] usbhid: USB HID core driver
[ 16.007924] cfg80211: Loading compiled-in X.509 certificates for regulatory database
[ 16.420049] cfg80211: Loaded X.509 cert 'sforshee: 00b28ddf47aef9cea7'
[ 16.426919] platform regulatory.0: Direct firmware load for regulatory.db failed with error
-2
[ 16.435611] cfg80211: failed to load regulatory.db
udhcpd: sending discover
udhcpd: sending discover
udhcpd: no lease, failing
FAIL
Starting ntpd: OK
Starting dropbear sshd: OK
Starting lighttpd: daemonized server failed to start; check error log for details
OK
Starting mosquitto: OK
Starting mpd: OK
```

```
MiaoYinOS login: [ 49.353991] usb 1-1: new high-speed USB device number 2 using ehci-platform
[ 49.803971] usb 1-1: device descriptor read/64, error -71
[ 50.198425] usb-storage 1-1:1.0: USB Mass Storage device detected
[ 50.224156] scsi host0: usb-storage 1-1:1.0
[ 51.285357] scsi 0:0:0:0: Direct-Access SMI USB DISK 1100 PQ: 0 ANSI: 0 CCS
[ 51.300084] sd 0:0:0:0: [sda] Attached SCSI removable disk
[ 53.649265] usb 1-1: USB disconnect, device number 2
[ 54.063977] usb 1-1: new high-speed USB device number 3 using ehci-platform
[ 54.528282] usb-storage 1-1:1.0: USB Mass Storage device detected
[ 54.554908] scsi host0: usb-storage 1-1:1.0
[ 54.636000] usb usb1-port1: disabled by hub (EMI?), re-enabling...
[ 54.642213] usb 1-1: USB disconnect, device number 3
```

U-Boot SPL 2018.07 (Nov 15 2019 - 10:04:33 +0800)

DRAM: 64 MiB

Trying to boot from sunxi SPI

U-Boot 2018.07 (Nov 15 2019 - 10:04:33 +0800) Allwinner Technology

CPU: Allwinner V3s (SUN8I 1681)

Model: Lichee Pi Zero

DRAM: 64 MiB

MMC: SUNXI SD/MMC: 0

Setting up a 800x480 lcd console (overscan 0x0)

dotclock: 33000kHz = 33000kHz: (1 * 3MHz * 66) / 6

In: serial@01c28000

Out: serial@01c28000

Err: serial@01c28000

Net: eth-1: ethernet@1c30000

starting USB...

No controllers found

```
SF: Detected mx25l12805 with page size 256 Bytes, erase size 64 KiB, total 16 MiB
device 0 offset 0x80000, size 0x150000
SF: 1376256 bytes @ 0x80000 Read: OK
Hit any key to stop autoboot: 0
SF: Detected mx25l12805 with page size 256 Bytes, erase size 64 KiB, total 16 MiB
device 0 offset 0x1d0000, size 0x4000
SF: 16384 bytes @ 0x1d0000 Read: OK
device 0 offset 0x1e0000, size 0x360000
SF: 3538944 bytes @ 0x1e0000 Read: OK
## Flattened Device Tree blob at 41800000
   Booting using the fdt blob at 0x41800000
   Loading Device Tree to 42df9000, end 42dff1be ... OK
```

Starting kernel ...

```
[ 0.000000] Booting Linux on physical CPU 0x0
[ 0.000000] Linux version 4.18.8-licheepi-zero (root@ubuntu) (gcc version 6.3.1 20170109 (Linaro GCC 6.3-2017.02)) #1 SMP Tue Nov 26 14:08:56 CST 2019
[ 0.000000] CPU: ARMv7 Processor [410fc075] revision 5 (ARMv7), cr=10c5387d
[ 0.000000] CPU: div instructions available: patching division code
[ 0.000000] CPU: PIPT / VIPT nonaliasing data cache, VIPT aliasing instruction cache
[ 0.000000] OF: fdt: Machine model: Lichee Pi Zero with Dock
[ 0.000000] Memory policy: Data cache writealloc
[ 0.000000] random: get_random_bytes called from 0xc0800920 with crng init=0
[ 0.000000] percpu: Embedded 16 pages/cpu @(ptrval) s34444 r8192 d22900 u65536
[ 0.000000] Built 1 zonelists, mobility grouping on. Total pages: 15883
[ 0.000000] Kernel command line: console=ttyS0,115200 panic=5 rootwait rootfstype=jffs2 root=/dev/mtdblock5
earlyprintk rw vt.global.cursor.default=0
[ 0.000000] Dentry cache hash table entries: 8192 (order: 3, 32768 bytes)
[ 0.000000] Inode-cache hash table entries: 4096 (order: 2, 16384 bytes)
[ 0.000000] Memory: 54664K/64036K available (5120K kernel code, 231K rdata, 1296K rodata, 1024K init, 223K bss, 9372K reserved, 0K cma-reserved, 0K highmem)
)
[ 0.000000] Virtual kernel memory layout:
[ 0.000000]   vector       : 0xffff0000 - 0xffff1000   ( 4 kB)
[ 0.000000]   fixmap       : 0xfffc0000 - 0xffff0000   (3072 kB)
[ 0.000000]   vmalloc     : 0xc4000000 - 0xff800000   ( 952 MB)
[ 0.000000]   lowmem      : 0xc0000000 - 0xc3e89000   ( 62 MB)
[ 0.000000]   pkmap      : 0xbfe00000 - 0xc0000000   ( 2 MB)
[ 0.000000]   modules    : 0xbf000000 - 0xbfe00000   ( 14 MB)
[ 0.000000]     .text    : 0x(ptrval) - 0x(ptrval)   (6112 kB)
[ 0.000000]     .init    : 0x(ptrval) - 0x(ptrval)   (1024 kB)
[ 0.000000]     .data    : 0x(ptrval) - 0x(ptrval)   ( 232 kB)
[ 0.000000]     .bss    : 0x(ptrval) - 0x(ptrval)   ( 224 kB)
[ 0.000000] SLUB: HWalign=64, Order=0-3, MinObjects=0, CPUs=1, Nodes=1
[ 0.000000] Hierarchical RCU implementation.
[ 0.000000]   RCU event tracing is enabled.
[ 0.000000]   RCU restricting CPUs from NR_CPUS=8 to nr_cpu_ids=1.
[ 0.000000] RCU: Adjusting geometry for rcu_fanout_leaf=16, nr_cpu_ids=1
[ 0.000000] NR_IRQS: 16, nr_irqs: 16, preallocated_irqs: 16
[ 0.000000] arch_timer: cp15 timer(s) running at 24.00MHz (virt).
[ 0.000000] clocksource: arch_sys_counter: mask: 0xffffffffffffff max_cycles: 0x588fe9dc0, max_idle_ns: 440795202592 ns
[ 0.000008] sched clock: 56 bits at 24MHz, resolution 41ns, wraps every 4398046511097ns
[ 0.000021] Switching to timer-based delay loop, resolution 41ns
[ 0.000189] clocksource: timer: mask: 0xffffffff max_cycles: 0xffffffff, max_idle_ns: 79635851949 ns
[ 0.000426] Console: colour dummy device 80x30
[ 0.000470] Calibrating delay loop (skipped), value calculated using timer frequency.. 48.00 BogoMIPS (lpj=240000)
[ 0.000484] pid_max: default: 32768 minimum: 301
[ 0.000650] Mount-cache hash table entries: 1024 (order: 0, 4096 bytes)
[ 0.000665] Mountpoint-cache hash table entries: 1024 (order: 0, 4096 bytes)
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[ 0.001845] /cpus/cpu@0 missing clock-frequency property
[ 0.001871] CPU0: thread -1, cpu 0, socket 0, mpidr 80000000
[ 0.002605] Setting up static identity map for 0x40100000 - 0x40100060
[ 0.002861] Hierarchical SRCU implementation.
[ 0.003665] smp: Bringing up secondary CPUs ...
[ 0.003686] smp: Brought up 1 node, 1 CPU
[ 0.003696] SMP: Total of 1 processors activated (48.00 BogoMIPS).
[ 0.003704] CPU: All CPU(s) started in SVC mode.
[ 0.004530] devtmpfs: initialized
[ 0.007614] VFP support v0.3: implementor 41 architecture 2 part 30 variant 7 rev 5
[ 0.007942] clocksource: jiffies: mask: 0xffffffff max_cycles: 0xffffffff, max_idle_ns: 19112604462750000 ns
[ 0.007974] futex hash table entries: 256 (order: 2, 16384 bytes)
[ 0.008228] pinctrl core: initialized pinctrl subsystem
[ 0.009385] NET: Registered protocol family 16
[ 0.009871] DMA: preallocated 256 KiB pool for atomic coherent allocations
[ 0.011082] hw-breakpoint: found 5 (+1 reserved) breakpoint and 4 watchpoint registers.
[ 0.011100] hw-breakpoint: maximum watchpoint size is 8 bytes.
[ 0.022449] SCSI subsystem initialized
[ 0.022658] pps_core: LinuxPPS API ver. 1 registered
[ 0.022668] pps_core: Software ver. 5.3.6 - Copyright 2005-2007 Rodolfo Giometti <giometti@linux.it>
[ 0.022690] PTP clock support registered
[ 0.022871] Advanced Linux Sound Architecture Driver Initialized.
[ 0.024001] clocksource: Switched to clocksource arch_sys_counter
[ 0.034380] NET: Registered protocol family 2
[ 0.035025] tcp_listen_portaddr_hash hash table entries: 512 (order: 0, 6144 bytes)
[ 0.035059] TCP established hash table entries: 1024 (order: 0, 4096 bytes)
[ 0.035084] TCP bind hash table entries: 1024 (order: 1, 8192 bytes)
[ 0.035109] TCP: Hash tables configured (established 1024 bind 1024)
[ 0.035253] UDP hash table entries: 256 (order: 1, 8192 bytes)
```

```
[ 0.035304] UDP-Lite hash table entries: 256 (order: 1, 8192 bytes)
[ 0.037275] Initialise system trusted keyrings
[ 0.037661] workingset: timestamp bits=30 max order=14 bucket order=0
[ 0.042922] jffs2: version 2.2. (SUMMARY) © 2001-2006 Red Hat, Inc.
[ 2.748667] Key type asymmetric registered
[ 2.748693] Asymmetric key parser 'x509' registered
[ 2.748833] Block layer SCSI generic (bsg) driver version 0.4 loaded (major 249)
[ 2.748849] io scheduler noop registered
[ 2.748857] io scheduler deadline registered
[ 2.749158] io scheduler cfq registered (default)
[ 2.749171] io scheduler mq-deadline registered
[ 2.749179] io scheduler kyber registered
[ 2.750138] sun4i-usb-phy lc19400.phy: Couldn't request ID GPIO
[ 2.753742] sun8i-v3s-pinctrl lc20800.pinctrl: initialized sunXi PIO driver
[ 2.754832] pwm-backlight backlight: backlight supply power not found, using dummy regulator
[ 2.854486] Serial: 8250/16550 driver, 8 ports, IRQ sharing disabled
[ 2.857501] console [ttyS0] disabled
[ 2.877772] lc28000.serial: ttyS0 at MMIO 0x1c28000 (irq = 36, base_baud = 1500000) is a U6_16550A
[ 3.432453] console [ttyS0] enabled
[ 3.439595] panel-simple panel: panel supply power not found, using dummy regulator
[ 3.447502] sun8i-v3s-pinctrl lc20800.pinctrl: pin PB4 already requested by lc21400.pwm; cannot claim for lc
20800.pinctrl:36
[ 3.458751] sun8i-v3s-pinctrl lc20800.pinctrl: pin-36 (lc20800.pinctrl:36) status -22
[ 3.466595] panel-simple panel: failed to request GPIO: -22
[ 3.472259] panel-simple: probe of panel failed with error -22
[ 3.480601] m25p80 spi0.0: found mx25l12805d, expected m25p80
[ 3.486481] m25p80 spi0.0: mx25l12805d (16384 Kbytes)
[ 3.492268] 6 fixed-partitions partitions found on MTD device spi0.0
[ 3.498742] Creating 6 MTD partitions on "spi0.0":
[ 3.503543] 0x000000000000-0x000000070000 : "u-boot"
[ 3.509796] 0x000000070000-0x000000080000 : "u-boot-env"
[ 3.516373] 0x000000080000-0x0000001d0000 : "logo"
[ 3.522288] 0x0000001d0000-0x0000001e0000 : "dtb"
[ 3.528339] 0x0000001e0000-0x000000540000 : "kernel"
[ 3.534557] 0x000000540000-0x000001000000 : "rootfs"
[ 3.541028] libphy: Fixed MDIO Bus: probed
[ 3.545986] dwmac-sun8i lc30000.ethernet: PTP uses main clock
[ 3.551782] dwmac-sun8i lc30000.ethernet: No regulator found
[ 3.557652] dwmac-sun8i lc30000.ethernet: Will use internal PHY
[ 3.563820] dwmac-sun8i lc30000.ethernet: Chain mode enabled
[ 3.569526] dwmac-sun8i lc30000.ethernet: No HW DMA feature register supported
[ 3.576757] dwmac-sun8i lc30000.ethernet: Normal descriptors
[ 3.582412] dwmac-sun8i lc30000.ethernet: RX Checksum Offload Engine supported
[ 3.589635] dwmac-sun8i lc30000.ethernet: COE Type 2
[ 3.594608] dwmac-sun8i lc30000.ethernet: TX Checksum insertion supported
[ 3.601586] libphy: stmmac: probed
[ 3.607571] input: lc22800.lradc as /devices/platform/soc/lc22800.lradc/input/input0
[ 3.616640] sun6i-rtc lc20400.rtc: rtc core: registered rtc-sun6i as rtc0
[ 3.623435] sun6i-rtc lc20400.rtc: RTC enabled
[ 3.628123] i2c /dev entries driver
[ 3.744131] Goodix-TS 0-005d: i2c test failed attempt 1: -6
[ 3.784117] Goodix-TS 0-005d: i2c test failed attempt 2: -6
[ 3.823982] Goodix-TS 0-005d: I2C communication failure: -6
[ 3.830415] sunxi-wdt lc20ca0.watchdog: Watchdog enabled (timeout=16 sec, nowayout=0)
[ 3.865365] sunxi-mmc lc0f000.mmc: base:0x(ptrval) irq:24
[ 3.873267] sun4i-codec lc22c00.codec: ASoC: codec-analog@01c23000 not registered
[ 3.880899] sun4i-codec lc22c00.codec: Failed to register our card
[ 3.888366] Registering SWP/SWPB emulation handler
[ 3.894268] Loading compiled-in X.509 certificates
[ 3.903692] simple-framebuffer 43e89000.framebuffer: framebuffer at 0x43e89000, 0x177000 bytes, mapped to 0x
(ptrval)
[ 3.914417] simple-framebuffer 43e89000.framebuffer: format=x8r8g8b8, mode=800x480x32, linelength=3200
[ 3.930634] Console: switching to colour frame buffer device 100x30
[ 3.943142] simple-framebuffer 43e89000.framebuffer: fb0: simplefb registered!
[ 3.952856] sun4i-codec lc22c00.codec: ASoC: Failed to create component debugfs directory
[ 3.962752] sun4i-codec lc22c00.codec: Codec <-> lc22c00.codec mapping ok
[ 3.972151] sun6i-rtc lc20400.rtc: setting system clock to 1970-01-01 00:04:26 UTC (266)
[ 3.980635] vcc5v0: disabling
[ 3.983615] ALSA device list:
[ 3.986647] #0: V3s Audio Codec
[ 3.991826] random: fast init done
[ 4.014348] random: crng init done
[ 9.986599] jffs2: notice: (1) jffs2_build_xattr_subsystem: complete building xattr subsystem, 0 of xdatum (
0 unchecked, 0 orphan) and 0 of xref (0 dead, 0
orphan) found.
[ 10.006059] VFS: Mounted root (jffs2 filesystem) on device 31:5.
[ 10.013493] devtmpfs: mounted
[ 10.017908] Freeing unused kernel memory: 1024K
[ 11.410740] NET: Registered protocol family 1
Starting logging: OK
Starting mdev...
modprobe: module extracted not found in modules.dep
[ 13.670606] usbcore: registered new interface driver usbfs
[ 13.676283] usbcore: registered new interface driver hub
[ 13.681694] usbcore: registered new device driver usb
[ 14.075091] ehci_hcd: USB 2.0 'Enhanced' Host Controller (EHCI) Driver
[ 14.092923] ehci-platform: EHCI generic platform driver
[ 14.098625] ehci-platform lc1a000.usb: EHCI Host Controller
[ 14.104351] ehci-platform lc1a000.usb: new USB bus registered, assigned bus number 1
[ 14.112272] ehci-platform lc1a000.usb: irq 26, io mem 0x01c1a000
[ 14.162272] ehci-platform lc1a000.usb: USB 2.0 started, EHCI 1.00
[ 14.176514] hub 1-0:1.0: USB hub found
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[ 14.205380] hub 1-0:1.0: 1 port detected
[ 14.341760] ohci_hcd: USB 1.1 'Open' Host Controller (OHCI) Driver
[ 14.368448] ohci-platform: OHCI generic platform driver
[ 14.374209] ohci-platform lcla400.usb: Generic Platform OHCI controller
[ 14.380867] ohci-platform lcla400.usb: new USB bus registered, assigned bus number 2
[ 14.388885] ohci-platform lcla400.usb: irq 27, io mem 0x01c1a400
Initializing random number generator... done.
Starting user app: /etc/init.d/S30app: .: line 39: can't open '/sbin/SetQTEnv'
Starting network: [ 14.475045] hub 2-0:1.0: USB hub found
[ 14.496997] hub 2-0:1.0: 1 port detected
[ 14.648925] usbcore: registered new interface driver usb-storage
[ 14.928556] usb_phy_generic usb_phy_generic.0.auto: usb_phy_generic.0.auto supply vcc not found, using dummy
regulator
[ 14.940071] musb-hdrc musb-hdrc.1.auto: MUSB HDRC host driver
[ 14.945943] musb-hdrc musb-hdrc.1.auto: new USB bus registered, assigned bus number 3
[ 15.022926] Generic PHY stmmac-0:01: attached PHY driver [Generic PHY] (mii_bus:phy_addr=stmmac-0:01, irq=POLL)
[ 15.035273] dwmac-sun8i lc30000.ethernet eth0: No MAC Management Counters available
[ 15.042946] dwmac-sun8i lc30000.ethernet eth0: PTP not supported by HW
[ 15.071610] hub 3-0:1.0: USB hub found
[ 15.094654] hub 3-0:1.0: 1 port detected
udhcpd: started, v1.27.2
[ 15.550710] usbcore: registered new interface driver usbhid
[ 15.556422] usbhid: USB HID core driver
[ 15.685844] NET: Registered protocol family 17
udhcpd: sending discover
[ 15.967497] cfg80211: Loading compiled-in X.509 certificates for regulatory database
[ 16.377707] cfg80211: Loaded X.509 cert 'sforshee: 00b28ddf47aef9cea7'
[ 16.384559] platform regulatory.0: Direct firmware load for regulatory.db failed with error -2
[ 16.393171] cfg80211: failed to load regulatory.db
udhcpd: sending discover
udhcpd: sending discover
udhcpd: no lease, failing
FAIL
Starting ntpd: OK
Starting dropbear sshd: OK
Starting lighttpd: daemonized server failed to start; check error log for details
OK
Starting mosquito: OK
Starting mpd: OK

MiaoYinOS login:
```