

U-Boot 2018.07 (Dec 16 2019 - 11:08:12 +0800) Allwinner Technology

CPU: Allwinner V3s (SUN8I 1681)
Model: Lichee Pi Zero
DRAM: 64 MiB
MMC: SUNXI SD/MMC: 0
Loading Environment from FAT... *** Warning - bad CRC, using default environment

Failed (-5)
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: No ethernet found.
starting USB...
No controllers found
1152138 bytes read in 66 ms (16.6 MiB/s)
Hit any key to stop autoboot: 0
SF: Detected mx25l12805 with page size 256 Bytes, erase size 64 KiB, total 16 MiB
3373504 bytes read in 155 ms (20.8 MiB/s)
12735 bytes read in 3 ms (4 MiB/s)
Flattened Device Tree blob at 41800000
Booting using the fdt blob at 0x41800000
Loading Device Tree to 42df9000, end 42dff1be ... OK

Starting kernel ...

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[ 0.000000] Booting Linux on physical CPU 0x0
[ 0.000000] Linux version 4.18.8-licheepi-zero (v3s@ubuntu) (gcc version 6.3.1 201701
09 (
Linaro GCC 6.3-2017.02)) #2 SMP Mon Dec 16 14:47:05 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 root=/dev/mmcbl
lk0p
2 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 rwdata, 1288K ro
data
, 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   : 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_irqs: 16
[ 0.000000] arch_timer: cp15 timer(s) running at 24.00MHz (virt).
[ 0.000000] clocksource: arch_sys_counter: mask: 0xffffffffffffff max_cycles: 0x588fe
9dc0
, max_idle_ns: 440795202592 ns
[ 0.000008] sched_clock: 56 bits at 24MHz, resolution 41ns, wraps every 4398046511097
ns
[ 0.000021] Switching to timer-based delay loop, resolution 41ns
[ 0.000185] clocksource: timer: mask: 0xffffffff max_cycles: 0xffffffff, max_idle_ns:
796
35851949 ns
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[ 0.000426] Console: colour dummy device 80x30
[ 0.000467] Calibrating delay loop (skipped), value calculated using timer frequency.
. 48
.00 BogoMIPS (lpj=240000)
[ 0.000483] pid max: default: 32768 minimum: 301
[ 0.000648] Mount-cache hash table entries: 1024 (order: 0, 4096 bytes)
[ 0.000663] Mountpoint-cache hash table entries: 1024 (order: 0, 4096 bytes)
[ 0.001352] CPU: Testing write buffer coherency: ok
[ 0.001819] /cpus/cpu@0 missing clock-frequency property
[ 0.001847] CPU0: thread -1, cpu 0, socket 0, mpidr 80000000
[ 0.002570] Setting up static identity map for 0x40100000 - 0x40100060
[ 0.002816] Hierarchical SRCU implementation.
[ 0.003590] smp: Bringing up secondary CPUs ...
[ 0.003613] smp: Brought up 1 node, 1 CPU
[ 0.003623] SMP: Total of 1 processors activated (48.00 BogoMIPS).
[ 0.003631] CPU: All CPU(s) started in SVC mode.
[ 0.004436] devtmpfs: initialized
[ 0.007476] VFP support v0.3: implementor 41 architecture 2 part 30 variant 7 rev 5
[ 0.007803] clocksource: jiffies: mask: 0xffffffff max_cycles: 0xffffffff, max_idle_n
s: 1
9112604462750000 ns
[ 0.007835] futex hash table entries: 256 (order: 2, 16384 bytes)
[ 0.008091] pinctrl core: initialized pinctrl subsystem
[ 0.009236] NET: Registered protocol family 16
[ 0.009707] DMA: preallocated 256 KiB pool for atomic coherent allocations
[ 0.010908] hw-breakpoint: found 5 (+1 reserved) breakpoint and 4 watchpoint register
s.
[ 0.010928] hw-breakpoint: maximum watchpoint size is 8 bytes.
[ 0.022040] SCSI subsystem initialized
[ 0.022244] pps_core: LinuxPPS API ver. 1 registered
[ 0.022253] pps_core: Software ver. 5.3.6 - Copyright 2005-2007 Rodolfo Giometti <gio
metti
i@linux.it>
[ 0.022277] PTP clock support registered
[ 0.022456] Advanced Linux Sound Architecture Driver Initialized.
[ 0.023574] clocksource: Switched to clocksource arch_sys_counter
[ 0.033692] NET: Registered protocol family 2
[ 0.034298] tcp_listen_portaddr_hash hash table entries: 512 (order: 0, 6144 bytes)
[ 0.034333] TCP established hash table entries: 1024 (order: 0, 4096 bytes)
[ 0.034358] TCP bind hash table entries: 1024 (order: 1, 8192 bytes)
[ 0.034382] TCP: Hash tables configured (established 1024 bind 1024)
[ 0.034521] UDP hash table entries: 256 (order: 1, 8192 bytes)
[ 0.034575] UDP-Lite hash table entries: 256 (order: 1, 8192 bytes)
[ 0.036592] Initialise system trusted keyrings
[ 0.036975] workingset: timestamp_bits=30 max_order=14 bucket_order=0
[ 0.042049] jffs2: version 2.2. (SUMMARY) © 2001-2006 Red Hat, Inc.
[ 2.747626] Key type asymmetric registered
[ 2.747651] Asymmetric key parser 'x509' registered
[ 2.747803] Block layer SCSI generic (bsg) driver version 0.4 loaded (major 249)
[ 2.747818] io scheduler noop registered
[ 2.747826] io scheduler deadline registered
[ 2.748134] io scheduler cfq registered (default)
[ 2.748145] io scheduler mq-deadline registered
[ 2.748154] io scheduler kyber registered
[ 2.749106] sun4i-usb-phy 1c19400.phy: Couldn't request ID GPIO
[ 2.752612] sun8i-v3s-pinctrl 1c20800.pinctrl: initialized sunXi PIO driver
[ 2.753690] pwm-backlight backlight: backlight supply power not found, using dummy re
gula
tor
[ 2.853248] Serial: 8250/16550 driver, 8 ports, IRQ sharing disabled
[ 2.856329] console [ttyS0] disabled
[ 2.876598] 1c28000.serial: ttyS0 at MMIO 0x1c28000 (irq = 36, base_baud = 1500000) i
s a
U6_16550A
[ 3.429653] console [ttyS0] enabled
[ 3.436853] panel-simple panel: panel supply power not found, using dummy regulator
[ 3.444788] sun8i-v3s-pinctrl 1c20800.pinctrl: pin PB4 already requested by 1c21400.p
wm;
cannot claim for 1c20800.pinctrl:36
[ 3.456046] sun8i-v3s-pinctrl 1c20800.pinctrl: pin-36 (1c20800.pinctrl:36) status -22
[ 3.463888] panel-simple panel: failed to request GPIO: -22
[ 3.469607] panel-simple: probe of panel failed with error -22
[ 3.477967] m25p80 spi0.0: found mx25l12805d, expected m25p80
[ 3.483854] m25p80 spi0.0: mx25l12805d (16384 Kbytes)
[ 3.489602] 6 fixed-partitions partitions found on MTD device spi0.0
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[ 3.496069] Creating 6 MTD partitions on "spi0.0":
[ 3.500871] 0x000000000000-0x0000000070000 : "u-boot"
[ 3.507138] 0x0000000070000-0x0000000080000 : "u-boot-env"
[ 3.513506] 0x0000000080000-0x00000000d0000 : "logo"
[ 3.519591] 0x00000000d0000-0x00000001e0000 : "dtb"
[ 3.525623] 0x00000001e0000-0x0000000540000 : "kernal"
[ 3.531659] 0x0000000540000-0x0000001000000 : "rootfs"
[ 3.538318] libphy: Fixed MDIO Bus: probed
[ 3.543095] dwmac-sun8i 1c30000.ethernet: PTP uses main clock
[ 3.549038] dwmac-sun8i 1c30000.ethernet: No regulator found
[ 3.554875] dwmac-sun8i 1c30000.ethernet: Will use internal PHY
[ 3.561038] dwmac-sun8i 1c30000.ethernet: Chain mode enabled
[ 3.566740] dwmac-sun8i 1c30000.ethernet: No HW DMA feature register supported
[ 3.573969] dwmac-sun8i 1c30000.ethernet: Normal descriptors
[ 3.579623] dwmac-sun8i 1c30000.ethernet: RX Checksum Offload Engine supported
[ 3.586847] dwmac-sun8i 1c30000.ethernet: COE Type 2
[ 3.591806] dwmac-sun8i 1c30000.ethernet: TX Checksum insertion supported
[ 3.598818] libphy: stmmac: probed
[ 3.604850] input: 1c22800.lradc as /devices/platform/soc/1c22800.lradc/input/input0
[ 3.613931] sun6i-rtc 1c20400.rtc: rtc core: registered rtc-sun6i as rtc0
[ 3.620729] sun6i-rtc 1c20400.rtc: RTC enabled
[ 3.625424] i2c /dev entries driver
[ 3.743692] Goodix-TS 0-005d: i2c test failed attempt 1: -6
[ 3.783679] Goodix-TS 0-005d: i2c test failed attempt 2: -6
[ 3.823545] Goodix-TS 0-005d: I2C communication failure: -6
[ 3.829963] sunxi-wdt 1c20ca0.watchdog: Watchdog enabled (timeout=16 sec, nowayout=0)
[ 3.864930] sunxi-mmc 1c0f000.mmc: base:0x(ptrval) irq:24
[ 3.872771] sun4i-codec 1c22c00.codec: ASoC: codec-analog@01c23000 not registered
[ 3.880401] sun4i-codec 1c22c00.codec: Failed to register our card
[ 3.887834] Registering SWP/SWPB emulation handler
[ 3.893740] Loading compiled-in X.509 certificates
[ 3.903032] simple-framebuffer 43e89000.framebuffer: framebuffer at 0x43e89000, 0x177
000
bytes, mapped to 0x(ptrval)
[ 3.913755] simple-framebuffer 43e89000.framebuffer: format=x8r8g8b8, mode=800x480x32
, li
nelength=3200
[ 3.929979] Console: switching to colour frame buffer device 100x30
[ 3.941608] simple-framebuffer 43e89000.framebuffer: fb0: simplefb registered!
[ 3.951335] sun4i-codec 1c22c00.codec: ASoC: Failed to create component debugfs direc
tory
[ 3.961152] sun4i-codec 1c22c00.codec: Codec <-> 1c22c00.codec mapping ok
[ 3.970555] sun6i-rtc 1c20400.rtc: setting system clock to 1970-01-01 00:00:07 UTC (7
)
[ 3.978869] vcc5v0: disabling
[ 3.981849] ALSA device list:
[ 3.984880] #0: V3s Audio Codec
[ 3.989015] Waiting for root device /dev/mmcblk0p2...
[ 4.020307] mmc0: host does not support reading read-only switch, assuming write-enab
le
[ 4.030118] mmc0: Problem switching card into high-speed mode!
[ 4.036153] mmc0: new SDHC card at address 0001
[ 4.042244] mmcblk0: mmc0:0001 SD16G 14.5 GiB
[ 4.049073] mmcblk0: p1 p2
[ 4.213384] random: fast init done
[ 4.317209] EXT4-fs (mmcblk0p2): recovery complete
[ 4.329213] EXT4-fs (mmcblk0p2): mounted filesystem with ordered data mode. Opts: (nu
ll)
[ 4.337439] VFS: Mounted root (ext4 filesystem) on device 179:2.
[ 4.343710] devtmpfs: mounted
[ 4.348017] Freeing unused kernel memory: 1024K
[ 4.512134] NET: Registered protocol family 1
[ 4.526285] EXT4-fs (mmcblk0p2): re-mounted. Opts: (null)
mount: mounting /dev/mmcblk0p1 on /mnt/mmcblk0p1 failed: Invalid argument
umount: can't unmount /mnt/mmcblk0: No such file or directory
Starting logging: OK
Starting mdev...
modprobe: module extracted not found in modules.dep
[ 5.756481] usbcore: registered new interface driver usbfs
[ 5.762033] usbcore: registered new interface driver hub
[ 5.767545] usbcore: registered new device driver usb
[ 5.855916] ehci_hcd: USB 2.0 'Enhanced' Host Controller (EHCI) Driver
[ 5.865517] ehci-platform: EHCI generic platform driver
[ 5.871116] ehci-platform 1c1a000.usb: EHCI Host Controller
[ 5.876885] ehci-platform 1c1a000.usb: new USB bus registered, assigned bus number 1
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[ 5.884850] ehci-platform 1c1a000.usb: irq 26, io mem 0x01c1a000
[ 5.934100] ehci-platform 1c1a000.usb: USB 2.0 started, EHCI 1.00
[ 5.945045] hub 1-0:1.0: USB hub found
[ 5.973924] hub 1-0:1.0: 1 port detected
[ 6.042978] ohci hcd: USB 1.1 'Open' Host Controller (OHCI) Driver
[ 6.075265] ohci-platform: OHCI generic platform driver
[ 6.080863] ohci-platform 1c1a400.usb: Generic Platform OHCI controller
[ 6.087713] ohci-platform 1c1a400.usb: new USB bus registered, assigned bus number 2
[ 6.095703] ohci-platform 1c1a400.usb: irq 27, io mem 0x01c1a400
[ 6.175074] hub 2-0:1.0: USB hub found
[ 6.193843] hub 2-0:1.0: 1 port detected
[ 6.277234] usbcore: registered new interface driver usb-storage
[ 6.358451] musb-sunxi 1c19000.usb: Invalid or missing 'dr_mode' property
[ 6.365424] musb-sunxi: probe of 1c19000.usb failed with error -22
[ 6.485579] videodev: Linux video capture interface: v2.00
[ 6.547197] usbcore: registered new interface driver uvcvideo
[ 6.552956] USB Video Class driver (1.1.1)
[ 6.684528] FAT-fs (mmcblk0p1): utf8 is not a recommended IO charset for FAT filesystems,
filesystem will be case sensitive!
[ 6.715256] usbcore: registered new interface driver usbhid
[ 6.720842] usbhid: USB HID core driver
[ 6.798951] cfg80211: Loading compiled-in X.509 certificates for regulatory database
[ 6.829688] FAT-fs (mmcblk0p1): Volume was not properly unmounted. Some data may be c
orru
pt. Please run fsck.
mount: mounting /dev/mmcblk0p2 on /mnt/mmcblk0p2 failed: Device or resource busy
umount: can't unmount /mnt/mmcblk0: No such file or directory
[ 7.582909] cfg80211: Loaded X.509 cert 'sforshee: 00b28ddf47aef9cea7'
[ 7.589819] platform regulatory.0: Direct firmware load for regulatory.db failed with
err
or -2
[ 7.598531] cfg80211: failed to load regulatory.db
[ 7.647049] NET: Registered protocol family 17
Initializing random number generator... [ 7.935843] random: dd: uninitialized urandom
rea
d (512 bytes read)
done.
Starting user app: /etc/init.d/S30app: .. line 39: can't open '/sbin/SetQTEEnv'
Starting network: ip: applet not found
ip: applet not found
ip: applet not found
FAIL
Starting ntpd: /usr/sbin/ntpd: error while loading shared libraries: /usr/lib/libssl.so.
1.0.
0: file too short
FAIL
Starting dropbear sshd: [ 8.131151] random: dropbear: uninitialized urandom read (32
byte
s read)
OK
Starting lighttpd: 1970-01-01 08:00:11: (plugin.c.227) dlopen() failed for: /usr/lib/lig
http
d/mod_indexfile.so /usr/lib/lighttpd/mod_indexfile.so: file too short
1970-01-01 08:00:11: (server.c.911) loading plugins finally failed
OK
Starting mosquito: OK
```