

```
switch to partitions #0, OK
mmc1(part 0) is current device
eMMC found on device 1
Press FW button to enter firmware update mode
.....
326 bytes read in 2 ms (159.2 KiB/s)
Importing environment from 0x42000000...
Checking if uenvcmd is set ...
test - minimal test like /bin/sh

Usage:
test [args..]
Running default loadzimage ...
6480808 bytes read in 139 ms (44.5 MiB/s)

MMC read: dev # 1, block # 2016, count 32 ... 32 blocks read: OK
Reading overlays list from eMMC
Reading factory fdt name from eMMC
Loading factory fdt sun8i-r40-wirenboard733
54746 bytes read in 6 ms (8.7 MiB/s)
254 bytes read in 2 ms (124 KiB/s)
Applying DT overlay temp-commercial
Applying extra overlay
Booting from mmc ...
Kernel image @ 0x42000000 [ 0x000000 - 0x62e3a8 ]
## Flattened Device Tree blob at 43000000
   Booting using the fdt blob at 0x43000000
   Loading Device Tree to 49fdd000, end 49ffffff ... OK

Starting kernel ...

[ 0.000000] Booting Linux on physical CPU 0x0
[ 0.000000] Linux version 5.10.35-wb133+wb100 (jenkins@wbdevenv)
(arm-linux-gnueabi-hf-gcc (Debian 10.2.1-6) 10.2.1 20210110, GNU ld (GNU Binutils for
Debian) 2.35.2) #1 SMP Wed May 10 12:41:00 UTC 2023
[ 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: Wiren Board rev. 7.3.3 (A40i)
[ 0.000000] Memory policy: Data cache writealloc
[ 0.000000] cma: Reserved 16 MiB at 0xbec00000
[ 0.000000] Zone ranges:
[ 0.000000]   Normal   [mem 0x0000000040000000-0x000000006fffffff]
[ 0.000000]   HighMem  [mem 0x0000000070000000-0x00000000bfffffff]
[ 0.000000] Movable zone start for each node
[ 0.000000] Early memory node ranges
[ 0.000000]   node    0: [mem 0x0000000040000000-0x00000000bfffffff]
[ 0.000000] Initmem setup node 0 [mem 0x0000000040000000-0x00000000bfffffff]
[ 0.000000] psci: probing for conduit method from DT.
[ 0.000000] psci: Using PSCI v0.1 Function IDs from DT
[ 0.000000] percpu: Embedded 20 pages/cpu s50444 r8192 d23284 u81920
[ 0.000000] Built 1 zonelists, mobility grouping on. Total pages: 522560
[ 0.000000] Kernel command line: console=ttyS0,115200 root=/dev/mmcblk0p3 rootwait
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ro
[ 0.000000] Dentry cache hash table entries: 131072 (order: 7, 524288 bytes,
linear)
[ 0.000000] Inode-cache hash table entries: 65536 (order: 6, 262144 bytes, linear)
[ 0.000000] mem auto-init: stack:off, heap alloc:off, heap free:off
[ 0.000000] Memory: 2043860K/2097152K available (10240K kernel code, 1478K rwdata,
3232K rodata, 1024K init, 306K bss, 36908K reserved, 16384K cma-reserved, 1294324K
highmem)
[ 0.000000] SLUB: Hwalign=64, Order=0-3, MinObjects=0, CPUs=4, Nodes=1
[ 0.000000] ftrace: allocating 31894 entries in 63 pages
[ 0.000000] ftrace: allocated 63 pages with 6 groups
[ 0.000000] rcu: Hierarchical RCU implementation.
[ 0.000000] rcu: RCU event tracing is enabled.
[ 0.000000] rcu: RCU restricting CPUs from NR_CPUS=8 to nr_cpu_ids=4.
[ 0.000000] Rude variant of Tasks RCU enabled.
[ 0.000000] Tracing variant of Tasks RCU enabled.
[ 0.000000] rcu: RCU calculated value of scheduler-enlistment delay is 10 jiffies.
[ 0.000000] rcu: Adjusting geometry for rcu_fanout_leaf=16, nr_cpu_ids=4
[ 0.000000] NR_IRQS: 16, nr_irqs: 16, preallocated irq: 16
[ 0.000000] GIC: Using split EOI/Deactivate mode
[ 0.000000] random: get_random_bytes called from start_kernel+0x660/0x844 with
crng_init=0
[ 0.000000] clocksource: timer: mask: 0xffffffff max_cycles: 0xffffffff,
max_idle_ns: 79635851949 ns
[ 0.000000] arch_timer: cp15 timer(s) running at 24.00MHz (phys).
[ 0.000000] clocksource: arch_sys_counter: mask: 0xffffffffffffff max_cycles:
0x588fe9dc0, max_idle_ns: 440795202592 ns
[ 0.000007] sched_clock: 56 bits at 24MHz, resolution 41ns, wraps every
4398046511097ns
[ 0.000021] Switching to timer-based delay loop, resolution 41ns
[ 0.000331] Console: colour dummy device 80x30
[ 0.000403] Calibrating delay loop (skipped), value calculated using timer
frequency.. 48.00 BogoMIPS (lpj=240000)
[ 0.000431] pid_max: default: 32768 minimum: 301
[ 0.000667] Mount-cache hash table entries: 2048 (order: 1, 8192 bytes, linear)
[ 0.000694] Mountpoint-cache hash table entries: 2048 (order: 1, 8192 bytes,
linear)
[ 0.001858] CPU: Testing write buffer coherency: ok
[ 0.002286] /cpus/cpu@0 missing clock-frequency property
[ 0.002330] /cpus/cpu@1 missing clock-frequency property
[ 0.002371] /cpus/cpu@2 missing clock-frequency property
[ 0.002416] /cpus/cpu@3 missing clock-frequency property
[ 0.002433] CPU0: thread -1, cpu 0, socket 0, mpidr 80000000
[ 0.003504] Setting up static identity map for 0x40100000 - 0x40100060
[ 0.003708] rcu: Hierarchical SRCU implementation.
[ 0.004614] smp: Bringing up secondary CPUs ...
[ 0.015734] CPU1: thread -1, cpu 1, socket 0, mpidr 80000001
[ 0.026986] CPU2: thread -1, cpu 2, socket 0, mpidr 80000002
[ 0.038119] CPU3: thread -1, cpu 3, socket 0, mpidr 80000003
[ 0.038297] smp: Brought up 1 node, 4 CPUs
[ 0.038334] SMP: Total of 4 processors activated (192.00 BogoMIPS).
[ 0.038346] CPU: All CPU(s) started in HYP mode.
[ 0.038358] CPU: Virtualization extensions available.
[ 0.039520] devtmpfs: initialized
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[ 0.051612] VFP support v0.3: implementor 41 architecture 2 part 30 variant 7 rev
5
[ 0.051907] clocksource: jiffies: mask: 0xffffffff max_cycles: 0xffffffff,
max_idle_ns: 19112604462750000 ns
[ 0.051941] futex hash table entries: 1024 (order: 4, 65536 bytes, linear)
[ 0.052925] pinctrl core: initialized pinctrl subsystem
[ 0.054401] NET: Registered protocol family 16
[ 0.056928] DMA: preallocated 256 KiB pool for atomic coherent allocations
[ 0.058203] thermal_sys: Registered thermal governor 'step_wise'
[ 0.058666] No ATAGs?
[ 0.058886] hw-breakpoint: found 5 (+1 reserved) breakpoint and 4 watchpoint
registers.
[ 0.058903] hw-breakpoint: maximum watchpoint size is 8 bytes.
[ 0.106726] SCSI subsystem initialized
[ 0.106975] usbcore: registered new interface driver usbfs
[ 0.107053] usbcore: registered new interface driver hub
[ 0.107126] usbcore: registered new device driver usb
[ 0.107496] mc: Linux media interface: v0.10
[ 0.107544] videodev: Linux video capture interface: v2.00
[ 0.107617] pps_core: LinuxPPS API ver. 1 registered
[ 0.107631] pps_core: Software ver. 5.3.6 - Copyright 2005-2007 Rodolfo Giometti
<giometti@linux.it>
[ 0.107659] PTP clock support registered
[ 0.107954] Advanced Linux Sound Architecture Driver Initialized.
[ 0.109162] clocksource: Switched to clocksource arch_sys_counter
[ 0.747937] NET: Registered protocol family 2
[ 0.748878] tcp_listen_portaddr_hash hash table entries: 512 (order: 0, 6144
bytes, linear)
[ 0.748933] TCP established hash table entries: 8192 (order: 3, 32768 bytes,
linear)
[ 0.749014] TCP bind hash table entries: 8192 (order: 4, 65536 bytes, linear)
[ 0.749237] TCP: Hash tables configured (established 8192 bind 8192)
[ 0.749410] UDP hash table entries: 512 (order: 2, 16384 bytes, linear)
[ 0.749484] UDP-Lite hash table entries: 512 (order: 2, 16384 bytes, linear)
[ 0.749744] NET: Registered protocol family 1
[ 0.750530] RPC: Registered named UNIX socket transport module.
[ 0.750552] RPC: Registered udp transport module.
[ 0.750565] RPC: Registered tcp transport module.
[ 0.750577] RPC: Registered tcp NFSv4.1 backchannel transport module.
[ 0.752184] hw perfevents: enabled with armv7_cortex_a7 PMU driver, 5 counters
available
[ 0.753753] Initialise system trusted keyrings
[ 0.754016] workingset: timestamp_bits=14 max_order=19 bucket_order=5
[ 0.762479] NFS: Registering the id_resolver key type
[ 0.762535] Key type id_resolver registered
[ 0.762548] Key type id_legacy registered
[ 0.858794] Key type asymmetric registered
[ 0.858821] Asymmetric key parser 'x509' registered
[ 0.858972] bounce: pool size: 64 pages
[ 0.859052] Block layer SCSI generic (bsg) driver version 0.4 loaded (major 247)
[ 0.859069] io scheduler mq-deadline registered
[ 0.859081] io scheduler kyber registered
[ 0.860305] sun4i-usb-phy 1c13400.phy: Couldn't request ID GPIO
[ 0.942761] Serial: 8250/16550 driver, 8 ports, IRQ sharing disabled
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[ 0.957033] brd: module loaded
[ 0.967789] loop: module loaded
[ 0.973362] libphy: Fixed MDIO Bus: probed
[ 0.974507] sun4i-mdio 1c0b080.mdio: supply phy not found, using dummy regulator
[ 0.975144] libphy: sun4i_mii_bus: probed
[ 0.977216] CAN device driver interface
[ 0.979298] PPP generic driver version 2.4.2
[ 0.979558] ehci_hcd: USB 2.0 'Enhanced' Host Controller (EHCI) Driver
[ 0.979575] ehci-platform: EHCI generic platform driver
[ 0.980582] ohci_hcd: USB 1.1 'Open' Host Controller (OHCI) Driver
[ 0.980620] ohci-platform: OHCI generic platform driver
[ 0.981685] usbcore: registered new interface driver usb-storage
[ 0.981800] usbcore: registered new interface driver usbserial_generic
[ 0.981842] usbserial: USB Serial support registered for generic
[ 0.983905] sun6i-rtc 1c20400.rtc: registered as rtc1
[ 0.983925] sun6i-rtc 1c20400.rtc: RTC enabled
[ 0.984278] i2c /dev entries driver
[ 0.990455] sunxi-wdt 1c20c90.watchdog: Watchdog enabled (timeout=16 sec,
nowayout=0)
[ 0.993457] ledtrig-cpu: registered to indicate activity on CPUs
[ 0.994058] sun8i-ce 1c15000.crypto: Set mod clock to 300000000 (300 Mhz) from
24000000 (24 Mhz)
[ 0.994415] sun8i-ce 1c15000.crypto: will run requests pump with realtime priority
[ 0.995086] sun8i-ce 1c15000.crypto: will run requests pump with realtime priority
[ 0.995294] sun8i-ce 1c15000.crypto: will run requests pump with realtime priority
[ 0.995485] sun8i-ce 1c15000.crypto: will run requests pump with realtime priority
[ 0.995647] sun8i-ce 1c15000.crypto: Register cbc(aes)
[ 0.995861] sun8i-ce 1c15000.crypto: Register ecb(aes)
[ 0.996045] sun8i-ce 1c15000.crypto: Register cbc(des3_ede)
[ 0.996223] sun8i-ce 1c15000.crypto: Register ecb(des3_ede)
[ 0.996427] sun8i-ce 1c15000.crypto: CryptoEngine Die ID 0
[ 0.998168] usbcore: registered new interface driver usbhid
[ 0.998188] usbhid: USB HID core driver
[ 1.000798] iio-rescale a1-volt: using raw+scale source channel
[ 1.001180] iio-rescale a2-volt: using raw+scale source channel
[ 1.001515] iio-rescale a3-volt: using raw+scale source channel
[ 1.001827] iio-rescale vin-volt: using raw+scale source channel
[ 1.004567] Initializing XFRM netlink socket
[ 1.005213] NET: Registered protocol family 10
[ 1.006289] Segment Routing with IPv6
[ 1.006429] sit: IPv6, IPv4 and MPLS over IPv4 tunneling driver
[ 1.007154] NET: Registered protocol family 17
[ 1.007184] can: controller area network core
[ 1.007282] NET: Registered protocol family 29
[ 1.007296] can: raw protocol
[ 1.007310] can: broadcast manager protocol
[ 1.007330] can: netlink gateway - max_hops=1
[ 1.007761] Key type dns_resolver registered
[ 1.007858] Registering SWP/SWPB emulation handler
[ 1.007971] registered taskstats version 1
[ 1.008032] Loading compiled-in X.509 certificates
[ 1.027599] sun4i-usb-phy 1c13400.phy: Couldn't request ID GPIO
[ 1.032192] sun4i-pinctrl 1c20800.pinctrl: initialized sunXi PIO driver
[ 1.032989] sun4i-pinctrl 1c20800.pinctrl: supply vcc-pb not found, using dummy
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regulator
[ 1.037667] printk: console [ttyS0] disabled
[ 1.037818] 1c28000.serial: ttyS0 at MMIO 0x1c28000 (irq = 52, base_baud =
1500000) is a Allwinner sun4i
[ 1.999874] printk: console [ttyS0] enabled
[ 2.005096] sun4i-pinctrl 1c20800.pinctrl: Couldn't get bank PI regulator
[ 2.011933] sun4i-pinctrl 1c20800.pinctrl: request() failed for pin 274
[ 2.018548] sun4i-pinctrl 1c20800.pinctrl: pin-274 (1c28800.serial) status -517
[ 2.025885] sun4i-pinctrl 1c20800.pinctrl: could not request pin 274 (PI18) from
group PI18 on device 1c20800.pinctrl
[ 2.036587] dw-apb-uart 1c28800.serial: Error applying setting, reverse things
back
[ 2.044951] sun4i-mdio 1c0b080.mdio: supply phy not found, using dummy regulator
[ 2.053039] libphy: sun4i_mii_bus: probed
[ 2.058063] sun4i-pinctrl 1c20800.pinctrl: Couldn't get bank PH regulator
[ 2.064892] sun4i-pinctrl 1c20800.pinctrl: request() failed for pin 236
[ 2.071531] sun4i-pinctrl 1c20800.pinctrl: pin-236 (1c20800.pinctrl:236) status
-517
[ 2.081030] sun4i-pinctrl 1c20800.pinctrl: Couldn't get bank PH regulator
[ 2.087822] sun4i-pinctrl 1c20800.pinctrl: request() failed for pin 232
[ 2.094456] sun4i-pinctrl 1c20800.pinctrl: pin-232 (1c0b000.ethernet) status -517
[ 2.101962] sun4i-pinctrl 1c20800.pinctrl: could not request pin 232 (PH8) from
group PH8 on device 1c20800.pinctrl
[ 2.112489] sun4i-ethernet 1c0b000.ethernet: Error applying setting, reverse things
back
[ 2.120865] sun4i-pinctrl 1c20800.pinctrl: Couldn't get bank PA regulator
[ 2.127653] sun4i-pinctrl 1c20800.pinctrl: request() failed for pin 0
[ 2.134110] sun4i-pinctrl 1c20800.pinctrl: pin-0 (1c50000.ethernet) status -517
[ 2.141429] sun4i-pinctrl 1c20800.pinctrl: could not request pin 0 (PA0) from
group PA0 on device 1c20800.pinctrl
[ 2.151780] dwmac-sun8i 1c50000.ethernet: Error applying setting, reverse things
back
[ 2.166277] axp20x-i2c 0-0034: AXP20x variant AXP221 found
[ 2.180267] input: axp20x-pek as
/devices/platform/soc/1c2ac00.i2c/i2c-0/0-0034/axp221-pek/input/input0
[ 2.200255] vcc-3v3: supplied by regulator-dummy
[ 2.205780] vdd-cpu: supplied by regulator-dummy
[ 2.211336] vdd-sys: supplied by regulator-dummy
[ 2.216829] dc5l0: supplied by regulator-dummy
[ 2.222231] vcc-dram: supplied by regulator-dummy
[ 2.227088] vcc-gmac-phy: failed to get the current voltage: -EPROBE_DEFER
[ 2.234106] vcc-gmac-phy: supplied by vcc-3v3
[ 2.239514] dc5l1: supplied by vcc-dram
[ 2.243613] random: fast init done
[ 2.247346] tv: Bringing 700000uV into 3300000-3300000uV
[ 2.253332] tv: supplied by regulator-dummy
[ 2.258125] aldo2: Bringing 2500000uV into 3300000-3300000uV
[ 2.264488] aldo2: supplied by regulator-dummy
[ 2.270287] avcc-pll: supplied by regulator-dummy
[ 2.275927] eldo1: supplied by regulator-dummy
[ 2.281345] eldo2: supplied by regulator-dummy
[ 2.286412] vcc-pe: Bringing 1200000uV into 1800000-1800000uV
[ 2.293272] vcc-pe: supplied by regulator-dummy
[ 2.298395] vcc-sd-alt: Bringing 700000uV into 1800000-1800000uV
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[ 2.305422] vcc-sd-alt: supplied by regulator-dummy
[ 2.311257] dldo2: supplied by regulator-dummy
[ 2.316659] dldo3: supplied by regulator-dummy
[ 2.322084] dldo4: supplied by regulator-dummy
[ 2.327016] rtc_ldo: supplied by regulator-dummy
[ 2.332590] ldo_io0: supplied by regulator-dummy
[ 2.338065] ldo_io1: supplied by regulator-dummy
[ 2.343486] axp20x-adc axp22x-adc: DMA mask not set
[ 2.350110] axp20x-battery-power-supply axp20x-battery-power-supply: DMA mask not
set
[ 2.360116] axp20x-i2c 0-0034: AXP20X driver loaded
[ 2.390190] rtc-pcf85063 2-0051: registered as rtc0
[ 2.404447] rtc-pcf85063 2-0051: setting system clock to 2023-08-29T18:19:47 UTC
(1693333187)
[ 2.413522] lm75 2-0048: supply vs not found, using dummy regulator
[ 2.424208] lm75 2-0048: hwmon1: sensor 'lm75b'
[ 2.452682] sun4i-usb-phy 1c13400.phy: phy0 dr_mode=3
[ 2.461325] 1c28800.serial: ttyS2 at MMIO 0x1c28800 (irq = 53, base_baud =
1500000) is a Allwinner sun4i
[ 2.471786] sun4i-mdio 1c0b080.mdio: supply phy not found, using dummy regulator
[ 2.478459] sunxi-mmc 1c11000.mmc: initialized, max. request size: 2048 KB, uses
new timings mode
[ 2.479778] libphy: sun4i_mii_bus: probed
[ 2.574921] mmc0: new DDR MMC card at address 0001
[ 2.580656] mmcblk0: mmc0:0001 MMC64G 58.2 GiB
[ 2.585591] mmcblk0boot0: mmc0:0001 MMC64G partition 1 4.00 MiB
[ 2.592077] mmcblk0boot1: mmc0:0001 MMC64G partition 2 4.00 MiB
[ 2.598321] mmcblk0rpb: mmc0:0001 MMC64G partition 3 4.00 MiB, chardev (246:0)
[ 2.609165] mmcblk0: p1 p2 p3 p4 < p5 p6 >
[ 2.632824] sun4i-ethernet 1c0b000.ethernet: eth0: at (ptrval), IRQ 65 MAC:
00:85:01:01:f5:b2
[ 2.642000] dwmac-sun8i 1c50000.ethernet: IRQ eth_wake_irq not found
[ 2.648360] dwmac-sun8i 1c50000.ethernet: IRQ eth_lpi not found
[ 2.654738] dwmac-sun8i 1c50000.ethernet: PTP uses main clock
[ 2.660851] dwmac-sun8i 1c50000.ethernet: No HW DMA feature register supported
[ 2.668074] dwmac-sun8i 1c50000.ethernet: RX Checksum Offload Engine supported
[ 2.675314] dwmac-sun8i 1c50000.ethernet: COE Type 2
[ 2.680299] dwmac-sun8i 1c50000.ethernet: TX Checksum insertion supported
[ 2.687084] dwmac-sun8i 1c50000.ethernet: Normal descriptors
[ 2.692751] dwmac-sun8i 1c50000.ethernet: Chain mode enabled
[ 2.699062] libphy: stmmac: probed
[ 2.961560] ehci-platform 1c14000.usb: EHCI Host Controller
[ 2.967169] ehci-platform 1c14000.usb: new USB bus registered, assigned bus number
1
[ 2.975397] ehci-platform 1c14000.usb: irq 37, io mem 0x01c14000
[ 3.009170] ehci-platform 1c14000.usb: USB 2.0 started, EHCI 1.00
[ 3.016257] hub 1-0:1.0: USB hub found
[ 3.020111] hub 1-0:1.0: 1 port detected
[ 3.025249] ehci-platform 1c19000.usb: EHCI Host Controller
[ 3.030877] ehci-platform 1c19000.usb: new USB bus registered, assigned bus number
2
[ 3.038905] ehci-platform 1c19000.usb: irq 39, io mem 0x01c19000
[ 3.069165] ehci-platform 1c19000.usb: USB 2.0 started, EHCI 1.00
[ 3.076191] hub 2-0:1.0: USB hub found
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[ 3.080019] hub 2-0:1.0: 1 port detected
[ 3.085103] ehci-platform 1c1c000.usb: EHCI Host Controller
[ 3.090723] ehci-platform 1c1c000.usb: new USB bus registered, assigned bus number
3
[ 3.098691] ehci-platform 1c1c000.usb: irq 41, io mem 0x01c1c000
[ 3.129478] ehci-platform 1c1c000.usb: USB 2.0 started, EHCI 1.00
[ 3.136466] hub 3-0:1.0: USB hub found
[ 3.140294] hub 3-0:1.0: 1 port detected
[ 3.239258] ohci-platform 1c14400.usb: Generic Platform OHCI controller
[ 3.245897] ohci-platform 1c14400.usb: new USB bus registered, assigned bus number
4
[ 3.253872] ohci-platform 1c14400.usb: irq 38, io mem 0x01c14400
[ 3.334037] hub 4-0:1.0: USB hub found
[ 3.337841] hub 4-0:1.0: 1 port detected
[ 3.342964] ohci-platform 1c19400.usb: Generic Platform OHCI controller
[ 3.349621] ohci-platform 1c19400.usb: new USB bus registered, assigned bus number
5
[ 3.357533] ohci-platform 1c19400.usb: irq 40, io mem 0x01c19400
[ 3.434053] hub 5-0:1.0: USB hub found
[ 3.437858] hub 5-0:1.0: 1 port detected
[ 3.442984] ohci-platform 1c1c400.usb: Generic Platform OHCI controller
[ 3.449659] ohci-platform 1c1c400.usb: new USB bus registered, assigned bus number
6
[ 3.457454] usb 2-1: new high-speed USB device number 2 using ehci-platform
[ 3.464725] ohci-platform 1c1c400.usb: irq 42, io mem 0x01c1c400
[ 3.544073] hub 6-0:1.0: USB hub found
[ 3.547883] hub 6-0:1.0: 1 port detected
[ 3.553913] of_cfs_init
[ 3.555258] sunxi-mmc 1c0f000.mmc: Got CD GPIO
[ 3.556492] of_cfs_init: OK
[ 3.568275] ALSA device list:
[ 3.571294]   No soundcards found.
[ 3.586293] sunxi-mmc 1c0f000.mmc: initialized, max. request size: 16384 KB, uses
new timings mode
[ 3.606894] EXT4-fs (mmcblk0p3): INFO: recovery required on readonly filesystem
[ 3.614286] EXT4-fs (mmcblk0p3): write access will be enabled during recovery
[ 3.869452] EXT4-fs (mmcblk0p3): orphan cleanup on readonly fs
[ 3.877892] EXT4-fs (mmcblk0p3): 1 truncate cleaned up
[ 3.883112] EXT4-fs (mmcblk0p3): recovery complete
[ 3.890369] EXT4-fs (mmcblk0p3): mounted filesystem with ordered data mode. Opts:
(null)
[ 3.898551] VFS: Mounted root (ext4 filesystem) readonly on device 179:3.
[ 3.906142] devtmpfs: mounted
[ 3.913932] Freeing unused kernel memory: 1024K
[ 3.918704] Run /sbin/init as init process
[ 4.190761] systemd[1]: systemd 247.3-7+deb11u2 running in system mode. (+PAM
+AUDIT +SELINUX +IMA +APPARMOR +SMACK +SYSVINIT +UTMP +LIBCRYPTSETUP +GCRYPT +GNUTLS
+ACL +XZ +LZ4 +ZSTD +SECCOMP +BLKID +ELFUTILS +KMOD +IDN2 -IDN +PCRE2
default-hierarchy=unified)
[ 4.214616] systemd[1]: Detected architecture arm.

Welcome to Debian GNU/Linux 11 (bullseye)!

[ 4.260520] systemd[1]: Set hostname to <wirenboard-AJJPSSP>.

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[ 5.035848] systemd[1]: Queued start job for default target Graphical Interface.
[ 5.045422] random: systemd: uninitialized urandom read (16 bytes read)
[ 5.056130] systemd[1]: Created slice system-getty.slice.
[ OK ] Created slice system-getty.slice.
[ 5.089460] random: systemd: uninitialized urandom read (16 bytes read)
[ 5.098063] systemd[1]: Created slice system-modprobe.slice.
[ OK ] Created slice system-modprobe.slice.
[ 5.139401] random: systemd: uninitialized urandom read (16 bytes read)
[ 5.148154] systemd[1]: Created slice system-serial\x2dgetty.slice.
[ OK ] Created slice system-serial\x2dgetty.slice.
[ 5.191265] systemd[1]: Created slice system-systemd\x2dfsck.slice.
[ OK ] Created slice system-systemd\x2dfsck.slice.
[ 5.231042] systemd[1]: Created slice User and Session Slice.
[ OK ] Created slice User and Session Slice.
[ 5.269863] systemd[1]: Started Dispatch Password Requests to Console Directory Watch.
[ OK ] Started Dispatch Password ...ts to Console Directory Watch.
[ 5.309698] systemd[1]: Started Forward Password Requests to Wall Directory Watch.
[ OK ] Started Forward Password R...uests to Wall Directory Watch.
[ 5.349781] systemd[1]: Condition check resulted in Arbitrary Executable File Formats File System Automount Point being skipped.
[ 5.361833] systemd[1]: Reached target Local Encrypted Volumes.
[ OK ] Reached target Local Encrypted Volumes.
[ 5.399847] systemd[1]: Reached target Remote File Systems.
[ OK ] Reached target Remote File Systems.
[ 5.439422] systemd[1]: Reached target Slices.
[ OK ] Reached target Slices.
[ 5.480500] systemd[1]: Listening on fsck to fsckd communication Socket.
[ OK ] Listening on fsck to fsckd communication Socket.
[ 5.519908] systemd[1]: Listening on initctl Compatibility Named Pipe.
[ OK ] Listening on initctl Compatibility Named Pipe.
[ 5.570386] systemd[1]: Condition check resulted in Journal Audit Socket being skipped.
[ 5.579704] systemd[1]: Listening on Journal Socket (/dev/log).
[ OK ] Listening on Journal Socket (/dev/log).
[ 5.620340] systemd[1]: Listening on Journal Socket.
[ OK ] Listening on Journal Socket.
[ 5.660484] systemd[1]: Listening on udev Control Socket.
[ OK ] Listening on udev Control Socket.
[ 5.700040] systemd[1]: Listening on udev Kernel Socket.
[ OK ] Listening on udev Kernel Socket.
[ 5.740378] systemd[1]: Condition check resulted in Huge Pages File System being skipped.
[ 5.754480] systemd[1]: Mounting POSIX Message Queue File System...
    Mounting POSIX Message Queue File System...
[ 5.795886] systemd[1]: Mounting /sys/kernel/config...
    Mounting /sys/kernel/config...
[ 5.835385] systemd[1]: Mounting Kernel Debug File System...
    Mounting Kernel Debug File System...
[ 5.875918] systemd[1]: Mounting Kernel Trace File System...
    Mounting Kernel Trace File System...
[ 5.917654] systemd[1]: Starting Create list of static device nodes for the current kernel...
    Starting Create list of st...odes for the current kernel...
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[ 5.966415] systemd[1]: Starting Load Kernel Module drm...
    Starting Load Kernel Module drm...
[ 6.006405] systemd[1]: Starting Load Kernel Module fuse...
    Starting Load Kernel Module fuse...
[ 6.030146] fuse: init (API version 7.32)
[ 6.042029] systemd[1]: Condition check resulted in Set Up Additional Binary
Formats being skipped.
[ 6.058050] systemd[1]: Starting File System Check on Root Device...
    Starting File System Check on Root Device...
[ 6.111137] systemd[1]: Starting Journal Service...
    Starting Journal Service...
[ 6.127686] systemd[1]: Starting Load Kernel Modules...
    Starting Load Kernel Modules...
[ 6.143187] systemd[1]: Starting Coldplug All udev Devices...
    Starting Coldplug All udev Devices...
[ 6.167346] systemd[1]: Mounted POSIX Message Queue File System.
[ OK ] Mounted POSIX Message Queue File Sy[ 6.175058] systemd[1]: Mounted
/sys/kernel/config.
stem.
[ OK ] Mounted /sys/kernel/config.
[ 6.186502] systemd[1]: Mounted Kernel Debug File System.
[ OK ] Mounted Kernel Debug File System 6.197836] systemd[1]: Mounted Kernel
Trace File System.
m.
[ OK ] Mounted Kernel Trace File System 6.210640] systemd[1]: Finished Create
list of static device nodes for the current kernel.
m.
[ OK ] Finished Create list of st... nodes for the current kernel.
[ 6.239847] systemd[1]: modprobe@drm.service: Succeeded.
[ 6.247226] systemd[1]: Finished Load Kernel Module drm.
[ OK ] Finished Load Kernel Module drm.
[ 6.301517] systemd[1]: modprobe@fuse.service: Succeeded.
[ 6.308806] systemd[1]: Finished Load Kernel Module fuse.
[ OK ] Finished Load Kernel Module fuse.
[ 6.362135] systemd[1]: Finished File System Check on Root Device.
[ OK ] Finished File System Check on Root Device.
[ 6.402483] systemd[1]: Finished Load Kernel Modules.
[ OK ] Finished Load Kernel Modules.
[ 6.430145] systemd[1]: Started Journal Service.
[ OK ] Started Journal Service.
    Mounting FUSE Control File System...
[ OK ] Started File System Check Daemon to report status.
    Starting Remount Root and Kernel File Systems...
    Starting Apply Kernel Variables...
[ 6.618597] EXT4-fs (mmcblk0p3): re-mounted. Opts: errors=remount-ro
[ OK ] Mounted FUSE Control File System.
[ OK ] Finished Remount Root and Kernel File Systems.
[ OK ] Finished Apply Kernel Variables.
    Starting Load/Save Random Seed...
    Starting Create System Users...
[ OK ] Finished Create System Users.
    Starting Create Static Device Nodes in /dev...
[ OK ] Finished Create Static Device Nodes in /dev.
[ OK ] Reached target Local File Systems (Pre).
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[ OK ] Set up automount mnt-sdcard.automount.
Starting Rule-based Manage...for Device Events and Files...
[ OK ] Finished Coldplug All udev Devices.
Starting Helper to synchronize boot up for ifupdown...
[ OK ] Started Rule-based Manager for Device Events and Files.
[ 7.701005] Driver for 1-wire Dallas network protocol.
[ 7.986940] usb_phy_generic usb_phy_generic.1.auto: supply vcc not found, using
dummy regulator
[ OK ] Found device /dev/ttyS0.
[ 8.147645] cfg80211: Loading compiled-in X.509 certificates for regulatory
database
[ 8.157710] Bluetooth: Core ver 2.22
[ 8.161534] NET: Registered protocol family 31
[ 8.166022] Bluetooth: HCI device and connection manager initialized
[ 8.172551] Bluetooth: HCI socket layer initialized
[ 8.177489] Bluetooth: L2CAP socket layer initialized
[ 8.182700] Bluetooth: SCO socket layer initialized
[ 8.218826] usbcore: registered new interface driver btusb
[ 8.224229] Bluetooth: hci0: RTL: examining hci_ver=06 hci_rev=000b lmp_ver=06
lmp_subver=8723
[ 8.234314] Bluetooth: hci0: RTL: rom_version status=0 version=1
[ 8.235541] cfg80211: Loaded X.509 cert 'sforshee: 00b28ddf47aef9cea7'
[ 8.240849] Bluetooth: hci0: RTL: loading rtl_bt/rtl8723b_fw.bin
[ 8.257784] Bluetooth: hci0: RTL: loading rtl_bt/rtl8723b_config.bin
[ 8.264495] bluetooth hci0: Direct firmware load for rtl_bt/rtl8723b_config.bin
failed with error -2
[ 8.268913] cfg80211: loaded regulatory.db is malformed or signature is
missing/invalid
[ 8.273812] Bluetooth: hci0: RTL: cfg_sz -2, total sz 22496
[ OK ] Found device /dev/mmcblk0p5.
[ OK ] Found device /dev/mmcblk0p6.
[ 8.852607] RTL871X: module init start
[ 8.856397] RTL871X: rtl8723bu BT-Coex version = BTCOEX20140507-4E40
[ 9.104111] Bluetooth: hci0: RTL: fw version 0x0e2f9f73
[ 9.178877] RTL871X: rtw_ndev_init(wlan0)
[ 9.195239] RTL871X: rtw_ndev_init(wlan1)
[ 9.200879] usbcore: registered new interface driver rtl8723bu
[ 9.206730] RTL871X: module init ret=0
[ 9.348089] usbcore: registered new interface driver rtl8xxxu
[ OK ] Finished Helper to synchronize boot up for ifupdown.
[ 10.489216] random: crng init done
[ 10.492650] random: 7 urandom warning(s) missed due to ratelimiting
[ OK ] Finished Load/Save Random Seed.
[ OK ] Reached target Hardware activated USB gadget.
[ OK ] Listening on Load/Save RF ...itch Status /dev/rfkill Watch.
Activating swap /dev/mmcblk0p5...
Starting File System Check on /dev/mmcblk0p6...
Starting Load/Save RF Kill Switch Status...
[ 11.459306] Adding 262140k swap on /dev/mmcblk0p5. Priority:-2 extents:1
across:262140k SS
[ OK ] Activated swap /dev/mmcblk0p5.
[ OK ] Started Load/Save RF Kill Switch Status.
[ OK ] Reached target Swap.
[ OK ] Finished File System Check on /dev/mmcblk0p6.
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Mounting /mnt/data...
[ 11.670357] EXT4-fs (mmcblk0p6): mounted filesystem with ordered data mode. Opts:
(null)
[ OK ] Mounted /mnt/data.
Mounting /var/log...
[ OK ] Mounted /var/log.
[ OK ] Reached target Local File Systems.
[ OK ] Started ifup for eth0.
[ OK ] Started ifup for eth1.
[ OK ] Started ifup for wlan0.
Starting Flush Journal to Persistent Storage...
Starting prepare mounts and symlinks to config files...
[ 12.018387] systemd-journald[139]: Received client request to flush runtime
journal.
[ 12.043070] systemd-journald[139]: File
/var/log/journal/934cdd171e4608e83e832b1d63515fc8/system.journal corrupted or
uncleanly shut down, renaming and replacing.
[ OK ] Finished Flush Journal to Persistent Storage.
[ OK ] Finished prepare mounts and symlinks to config files.
Starting Create Volatile Files and Directories...
[ OK ] Finished Create Volatile Files and Directories.
Starting Update UTMP about System Boot/Shutdown...
[ OK ] Finished Update UTMP about System Boot/Shutdown.
[ OK ] Reached target System Initialization.
[ OK ] Started Monitor directorie... templates for wb-mqtt-serial.
[ OK ] Started Daily apt download activities.
[ OK ] Started Daily apt upgrade and clean activities.
[ OK ] Started Periodic ext4 Onli...ata Check for All Filesystems.
[ OK ] Started Discard unused blocks once a week.
[ OK ] Started Daily rotation of log files.
[ OK ] Started Daily Cleanup of Temporary Directories.
[ OK ] Reached target Paths.
[ OK ] Reached target Timers.
[ OK ] Listening on Avahi mDNS/DNS-SD Stack Activation Socket.
[ OK ] Listening on D-Bus System Message Bus Socket.
[ OK ] Listening on fcgiwrap Socket.
[ OK ] Listening on KNX Daemon (socket).
[ OK ] Reached target Sockets.
[ OK ] Reached target Basic System.
Starting Bluetooth service...
[ OK ] Started Regular background program processing daemon.
[ OK ] Started D-Bus System Message Bus.
Starting Network Manager...
Starting Remove Stale Onli...t4 Metadata Check Snapshots...
Starting Authorization Manager...
Starting LSB: Provide limi...rivileges to specific users...
Starting User Login Management...
[ OK ] Started watch config files.
Starting Initialize Wiren Board Device Tree overlays...
[ OK ] Started Generates wb-mqtt-... UI schema for wb-mqtt-confed.
Starting Avahi mDNS/DNS-SD Stack...
Starting WPA supplicant...
[ OK ] Finished Remove Stale Onli...ext4 Metadata Check Snapshots.
[ OK ] Started LSB: Provide limit... privileges to specific users.
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[ OK ] Started Avahi mDNS/DNS-SD Stack.
[ 15.182440] Bluetooth: BNEP (Ethernet Emulation) ver 1.3
[ 15.187848] Bluetooth: BNEP filters: protocol multicast
[ 15.193316] Bluetooth: BNEP socket layer initialized
[ OK ] Started User Login Management.
[ OK ] Started Bluetooth service.
[ OK ] Started WPA supplicant.
[ OK ] Started Authorization Manager.
[ OK ] Reached target Bluetooth.
        Starting Modem Manager...
        Starting Hostname Service...
[ OK ] Started Hostname Service.
[ OK ] Started Modem Manager.
[ OK ] Started Network Manager.
        Starting Network Manager Wait Online...
        Starting Network Manager Script Dispatcher Service...
[ OK ] Started Network Manager Script Dispatcher Service.
[ OK ] Finished Network Manager Wait Online.
[ 22.510704] dwmac-sun8i 1c50000.ethernet eth1: PHY [stmmac-1:00] driver [ICPlus
IP101A/G] (irq=POLL)
[ 22.525743] dwmac-sun8i 1c50000.ethernet eth1: No Safety Features support found
[ 22.533210] dwmac-sun8i 1c50000.ethernet eth1: No MAC Management Counters
available
[ 22.540951] dwmac-sun8i 1c50000.ethernet eth1: PTP not supported by HW
[ 22.557251] dwmac-sun8i 1c50000.ethernet eth1: configuring for phy/mii link mode
[ 33.759308] vcc-gmac-phy: disabling
[ 33.763344] dc5ldo: disabling
[ 33.779329] dldo4: disabling
[ 33.782614] vdd-sd-power: disabling
[ 33.786248] vcc-sd: disabling
[ **] A start job is running for Initiali...Tree overlays (2min 5s / no limit)
```