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[    1.424980] Booting Linux on physical CPU 0x00000000000 [0x410fd034]
[    1.425005] Linux version 6.1.75 (xt@luckfox-System-Product-Name)
(aarch64-none-linux-gnu-gcc (GNU Toolchain for the A-profile Architecture
10.3-2021.07 (arm-10.29)) 10.3.1 20210621, GNU ld (GNU Toolchain for the
A-profile Architecture 10.3-2021.07 (arm-10.29)) 2.36.1.20210621) #1 SMP
Tue Mar 11 17:56:28 CST 2025
[    1.427729] random: crng init done
[    1.432182] Machine model: Luckfox Omni3576
[    1.444619] earlycon: uart8250 at MMIO32 0x000000002ad40000 (options
'',)
[    1.449088] printk: bootconsole [uart8250] enabled
[    1.451767] efi: UEFI not found.
[    1.454318] OF: fdt: Reserved memory: failed to reserve memory for
node 'drm-cubic-lut@0': base 0x0000000000000000, size 0 MiB
[    1.601881] Zone ranges:
[    1.602133]   DMA      [mem 0x0000000040200000-0x00000000ffffffff]
[    1.602713]   DMA32    empty
[    1.602982]   Normal   [mem 0x00000000100000000-0x0000000023ffffffff]
[    1.603551] Movable zone start for each node
[    1.603945] Early memory node ranges
[    1.604276]   node    0: [mem 0x0000000040200000-0x00000000483ffffff]
[    1.604859]   node    0: [mem 0x0000000049400000-0x0000000023ffffffff]
[    1.605443] Initmem setup node 0 [mem 0x0000000040200000-
0x0000000023ffffffff]
[    1.606669] On node 0, zone DMA: 512 pages in unavailable ranges
[    1.619027] On node 0, zone DMA: 4096 pages in unavailable ranges
[    1.640949] cma: Reserved 16 MiB at 0x00000000ff000000
[    1.642135] psci: probing for conduit method from DT.
[    1.642609] psci: PSCIv1.1 detected in firmware.
[    1.643039] psci: Using standard PSCI v0.2 function IDs
[    1.643525] psci: Trusted OS migration not required
[    1.643983] psci: SMC Calling Convention v1.2
[    1.644722] percpu: Embedded 28 pages/cpu s74536 r8192 d31960 u114688
[    1.645348] pcpu-alloc: s74536 r8192 d31960 u114688 alloc=28*4096
[    1.645358] pcpu-alloc: [0] 0 [0] 1 [0] 2 [0] 3 [0] 4 [0] 5 [0] 6 [0]
7
[    1.645455] Detected VIPT I-cache on CPU0
[    1.645871] CPU features: detected: ARM erratum 845719
[    1.646349] alternatives: applying boot alternatives
[    1.647177] Built 1 zonelists, mobility grouping on. Total pages:
2059784
[    1.647821] Kernel command line: storagemedia=emmc
androidboot.storagemedia=emmc androidboot.mode=normal
androidboot.verifiedbootstate=orange rw rootwait
earlycon=uart8250,mmio32,0x2ad40000 console=ttyFIQ0
root=PARTUUID=614e0000-0000 rcupdate.rcu_expedited=1 rcu_nocbs=all #x-
03/11/2025 androidboot.fwver=ddr-v1.05-dal087e33f,bl31-v1.09,bl32-
v1.02,uboot-6160967
[    1.651004] Unknown kernel command line parameters "#x-03/11/2025
storagemedia=emmc", will be passed to user space.
[    1.652927] Dentry cache hash table entries: 1048576 (order: 11,
8388608 bytes, linear)
[    1.654140] Inode-cache hash table entries: 524288 (order: 10, 4194304
bytes, linear)

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[ 1.654870] mem auto-init: stack:off, heap alloc:off, heap free:off
[ 1.655451] software IO TLB: area num 8.
[ 1.671231] software IO TLB: mapped [mem 0x00000000f9f00000-0x00000000fdf00000] (64MB)
[ 1.764255] Memory: 8083124K/8370176K available (20992K kernel code, 3816K rwdara, 7392K rodata, 7744K init, 675K bss, 270668K reserved, 16384K cma-reserved)
[ 1.765669] SLUB: HWalig=64, Order=0-3, MinObjects=0, CPUs=8, Nodes=1
[ 1.766305] ftrace: allocating 64428 entries in 252 pages
[ 1.852661] ftrace: allocated 252 pages with 6 groups
[ 1.853229] trace event string verifier disabled
[ 1.853841] rcu: Hierarchical RCU implementation.
[ 1.854281] rcu: RCU event tracing is enabled.
[ 1.854703] All grace periods are expedited (rcu_expedited).
[ 1.855236] Rude variant of Tasks RCU enabled.
[ 1.855656] Tracing variant of Tasks RCU enabled.
[ 1.856100] rcu: RCU calculated value of scheduler-enlistment delay is 25 jiffies.
[ 1.864263] NR_IRQS: 64, nr_irqs: 64, preallocated irq: 0
[ 1.867870] Root IRQ handler: gic_handle_irq
[ 1.868288] GIC: Using split EOI/Deactivate mode
[ 1.870176] rcu: Offload RCU callbacks from CPUs: 0-7.
[ 1.870687] rcu: srcu_init: Setting srcu_struct sizes based on contention.
[ 1.897666] arch_timer: cp15 timer(s) running at 24.00MHz (phys).
[ 1.898244] clocksource: arch_sys_counter: mask: 0xffffffffffffff max_cycles: 0x588fe9dc0, max_idle_ns: 440795202592 ns
[ 1.899233] sched_clock: 56 bits at 24MHz, resolution 41ns, wraps every 4398046511097ns
[ 1.901825] Console: colour dummy device 80x25
[ 1.902275] Calibrating delay loop (skipped), value calculated using timer frequency.. 48.00 BogoMIPS (lpj=96000)
[ 1.903215] pid_max: default: 32768 minimum: 301
[ 1.903781] Mount-cache hash table entries: 16384 (order: 5, 131072 bytes, linear)
[ 1.904492] Mountpoint-cache hash table entries: 16384 (order: 5, 131072 bytes, linear)
[ 1.906004] cacheinfo: Unable to detect cache hierarchy for CPU 0
[ 1.906943] cblst_init_generic: Setting adjustable number of callback queues.
[ 1.907603] cblst_init_generic: Setting shift to 3 and lim to 1.
[ 1.908208] cblst_init_generic: Setting adjustable number of callback queues.
[ 1.908867] cblst_init_generic: Setting shift to 3 and lim to 1.
[ 1.909526] rcu: Hierarchical SRCU implementation.
[ 1.909976] rcu: Max phase no-delay instances is 1000.
[ 1.913079] EFI services will not be available.
[ 1.913843] smp: Bringing up secondary CPUs ...
[ 1.915406] Detected VIPT I-cache on CPU1
[ 1.915468] cacheinfo: Unable to detect cache hierarchy for CPU 1
[ 1.915504] CPU1: Booted secondary processor 0x0000000001 [0x410fd034]
[ 1.916606] Detected VIPT I-cache on CPU2
[ 1.916646] cacheinfo: Unable to detect cache hierarchy for CPU 2
[ 1.916663] CPU2: Booted secondary processor 0x0000000002 [0x410fd034]

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[ 1.917725] Detected VIPT I-cache on CPU3
[ 1.917767] cacheinfo: Unable to detect cache hierarchy for CPU 3
[ 1.917782] CPU3: Booted secondary processor 0x0000000003 [0x410fd034]
[ 1.918902] CPU features: detected: Spectre-BHB
[ 1.918908] CPU features: detected: ARM erratum 1742098
[ 1.918910] CPU features: detected: ARM errata 1165522, 1319367, or
1530923
[ 1.918913] Detected PIPT I-cache on CPU4
[ 1.918960] cacheinfo: Unable to detect cache hierarchy for CPU 4
[ 1.918979] CPU4: Booted secondary processor 0x00000000100 [0x411fd080]
[ 1.920039] Detected PIPT I-cache on CPU5
[ 1.920076] cacheinfo: Unable to detect cache hierarchy for CPU 5
[ 1.920088] CPU5: Booted secondary processor 0x00000000101 [0x411fd080]
[ 1.921161] Detected PIPT I-cache on CPU6
[ 1.921196] cacheinfo: Unable to detect cache hierarchy for CPU 6
[ 1.921209] CPU6: Booted secondary processor 0x00000000102 [0x411fd080]
[ 1.922255] Detected PIPT I-cache on CPU7
[ 1.922291] cacheinfo: Unable to detect cache hierarchy for CPU 7
[ 1.922304] CPU7: Booted secondary processor 0x00000000103 [0x411fd080]
[ 1.922411] smp: Brought up 1 node, 8 CPUs
[ 1.934872] SMP: Total of 8 processors activated.
[ 1.935308] CPU features: detected: 32-bit EL0 Support
[ 1.935778] CPU features: detected: CRC32 instructions
[ 1.936316] CPU: All CPU(s) started at EL2
[ 1.936691] alternatives: applying system-wide alternatives
[ 1.939263] devtmpfs: initialized
[ 1.956051] Registered cp15_barrier emulation handler
[ 1.956511] Registered setend emulation handler
[ 1.957001] clocksource: jiffies: mask: 0xffffffff max_cycles:
0xffffffff, max_idle_ns: 7645041785100000 ns
[ 1.957870] futex hash table entries: 2048 (order: 5, 131072 bytes,
linear)
[ 1.958777] pinctrl core: initialized pinctrl subsystem
[ 1.959542] DMI not present or invalid.
[ 1.960030] NET: Registered PF_NETLINK/PF_ROUTE protocol family
[ 1.961355] DMA: preallocated 1024 KiB GFP_KERNEL pool for atomic
allocations
[ 1.962228] DMA: preallocated 1024 KiB GFP_KERNEL|GFP_DMA pool for
atomic allocations
[ 1.963164] DMA: preallocated 1024 KiB GFP_KERNEL|GFP_DMA32 pool for
atomic allocations
[ 1.966144] Registered FIQ tty driver
[ 1.966657] thermal_sys: Registered thermal governor 'fair_share'
[ 1.966660] thermal_sys: Registered thermal governor 'step_wise'
[ 1.967200] thermal_sys: Registered thermal governor 'user_space'
[ 1.967732] thermal_sys: Registered thermal governor 'power_allocator'
[ 1.968310] cpuidle: using governor menu
[ 1.969380] hw-breakpoint: found 6 breakpoint and 4 watchpoint
registers.
[ 1.970094] ASID allocator initialised with 65536 entries
[ 1.972791] ramoops: dmesg-0 0x18000@0x0000000040110000
[ 1.973262] ramoops: dmesg-1 0x18000@0x0000000040128000
[ 1.973840] ramoops: console 0x80000@0x0000000040140000
[ 1.974311] ramoops: pmsg 0x30000@0x00000000401c0000

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[    1.975013] printk: console [ramoops-1] enabled
[    1.975418] pstore: Registered ramoops as persistent store backend
[    1.975967] ramoops: using 0xe0000@0x40110000, ecc: 0
[    1.978286] platform mipi0-csi2: Fixed dependency cycle(s) with /csi2-
dcphy0/ports/port@1/endpoint@0
[    1.979207] platform mipi1-csi2: Fixed dependency cycle(s) with /csi2-
dphy1/ports/port@1/endpoint@0
[    1.980320] platform rkCIF-mipi-lvds: Fixed dependency cycle(s) with
/mipi0-csi2/ports/port@1/endpoint@0
[    1.981314] platform rkCIF-mipi-lvds1: Fixed dependency cycle(s) with
/mipi1-csi2/ports/port@1/endpoint@0
[    1.982322] platform rkisp-vir0: Fixed dependency cycle(s) with
/rkCIF-mipi-lvds-sditf/port/endpoint
[    1.983209] platform rkisp-vir1: Fixed dependency cycle(s) with
/rkCIF-mipi-lvds1-sditf/port/endpoint
[    1.984218] platform rkvpss-vir0: Fixed dependency cycle(s) with
/rkisp-vir0-sditf/port/endpoint
[    1.994838] platform 27d80000.dsi: Fixed dependency cycle(s) with
/dsi@27d80000/panel@0/ports/port@0/endpoint
[    1.995740] platform 27d80000.dsi: Fixed dependency cycle(s) with
/vop@27d00000/ports/port@1/endpoint@1
[    1.996976] platform 27da0000.hdmi: Fixed dependency cycle(s) with
/vop@27d00000/ports/port@0/endpoint@2
[    1.998037] platform 27e40000.dp: Fixed dependency cycle(s) with
/vop@27d00000/ports/port@2/endpoint@4
[    2.020908] rockchip-gpio 27320000.gpio: probed /pinctrl/gpio@27320000
[    2.021753] rockchip-gpio 2ae10000.gpio: probed /pinctrl/gpio@2ae10000
[    2.022658] rockchip-gpio 2ae20000.gpio: probed /pinctrl/gpio@2ae20000
[    2.023538] rockchip-gpio 2ae30000.gpio: probed /pinctrl/gpio@2ae30000
[    2.024405] rockchip-gpio 2ae40000.gpio: probed /pinctrl/gpio@2ae40000
[    2.025092] rockchip-pinctrl pinctrl: probed pinctrl
[    2.036226] fiq_debugger fiq_debugger.0: error -ENXIO: IRQ fiq not
found
[    2.036836] fiq_debugger fiq_debugger.0: error -ENXIO: IRQ wakeup not
found
[    2.037457] fiq_debugger_probe: could not install nmi irq handler
[    2.038048] printk: console [ttyFIQ0] enabled
[    2.038829] printk: bootconsole [uart8250] disabled
[    2.039340] Registered fiq debugger ttyFIQ0
[    2.047408] iommu: Default domain type: Translated
[    2.047422] iommu: DMA domain TLB invalidation policy: strict mode
[    2.047593] SCSI subsystem initialized
[    2.047616] libata version 3.00 loaded.
[    2.047691] usbcore: registered new interface driver usbfs
[    2.047714] usbcore: registered new interface driver hub
[    2.047734] usbcore: registered new device driver usb
[    2.047801] mc: Linux media interface: v0.10
[    2.047821] videodev: Linux video capture interface: v2.00
[    2.047859] pps_core: LinuxPPS API ver. 1 registered
[    2.047866] pps_core: Software ver. 5.3.6 - Copyright 2005-2007
Rodolfo Giometti <giometti@linux.it>
[    2.047876] PTP clock support registered
[    2.047900] EDAC MC: Ver: 3.0.0

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[ 2.048409] arm-scmi firmware:scmi: Enabled polling mode TX channel -
prot_id:16
[ 2.048481] arm-scmi firmware:scmi: SCMI Notifications - Core Enabled.
[ 2.048522] arm-scmi firmware:scmi: SCMI Protocol v2.0 'rockchip:'
Firmware version 0x0
[ 2.049931] Advanced Linux Sound Architecture Driver Initialized.
[ 2.050146] Bluetooth: Core ver 2.22
[ 2.050166] NET: Registered PF_BLUETOOTH protocol family
[ 2.050172] Bluetooth: HCI device and connection manager initialized
[ 2.050180] Bluetooth: HCI socket layer initialized
[ 2.050187] Bluetooth: L2CAP socket layer initialized
[ 2.050198] Bluetooth: SCO socket layer initialized
[ 2.051553] rockchip-cpuinfo cpuinfo: SoC : 35760000
[ 2.051564] rockchip-cpuinfo cpuinfo: Serial :
6531e557e7678dd5
[ 2.052127] clocksource: Switched to clocksource arch_sys_counter
[ 2.056583] NET: Registered PF_INET protocol family
[ 2.056758] IP idents hash table entries: 131072 (order: 8, 1048576
bytes, linear)
[ 2.060345] tcp_listen_portaddr_hash hash table entries: 4096 (order:
4, 65536 bytes, linear)
[ 2.060397] Table-perturb hash table entries: 65536 (order: 6, 262144
bytes, linear)
[ 2.060431] TCP established hash table entries: 65536 (order: 7,
524288 bytes, linear)
[ 2.060732] TCP bind hash table entries: 65536 (order: 9, 2097152
bytes, linear)
[ 2.061828] TCP: Hash tables configured (established 65536 bind 65536)
[ 2.061905] UDP hash table entries: 4096 (order: 5, 131072 bytes,
linear)
[ 2.062028] UDP-Lite hash table entries: 4096 (order: 5, 131072 bytes,
linear)
[ 2.062228] NET: Registered PF_UNIX/PF_LOCAL protocol family
[ 2.062440] RPC: Registered named UNIX socket transport module.
[ 2.062449] RPC: Registered udp transport module.
[ 2.062455] RPC: Registered tcp transport module.
[ 2.062460] RPC: Registered tcp NFSv4.1 backchannel transport module.
[ 2.062963] PCI: CLS 0 bytes, default 64
[ 2.063707] rockchip-thermal 2ae70000.tsadc: Missing rockchip,grf
property
[ 2.063917] thermal thermal_zone0: power_allocator: sustainable_power
will be estimated
[ 2.064010] thermal thermal_zone1: power_allocator: sustainable_power
will be estimated
[ 2.064201] thermal thermal_zone3: power_allocator: sustainable_power
will be estimated
[ 2.064286] thermal thermal_zone4: power_allocator: sustainable_power
will be estimated
[ 2.064371] thermal thermal_zone5: power_allocator: sustainable_power
will be estimated
[ 2.064626] rockchip-thermal 2ae70000.tsadc: tsadc is probed
successfully!
[ 2.065499] hw perfevents: enabled with armv8_cortex_a53 PMU driver, 7
counters available

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[ 2.065802] hw perfevents: enabled with armv8_cortex_a72 PMU driver, 7
counters available
[ 2.395015] Initialise system trusted keyrings
[ 2.395118] workingset: timestamp_bits=62 max_order=21 bucket_order=0
[ 2.397509] squashfs: version 4.0 (2009/01/31) Phillip Lougher
[ 2.397838] NFS: Registering the id_resolver key type
[ 2.397856] Key type id_resolver registered
[ 2.397863] Key type id_legacy registered
[ 2.397885] ntfs: driver 2.1.32 [Flags: R/O].
[ 2.397955] jffs2: version 2.2. (NAND) © 2001-2006 Red Hat, Inc.
[ 2.398081] fuse: init (API version 7.37)
[ 2.398269] SGI XFS with security attributes, no debug enabled
[ 2.425784] NET: Registered PF_ALG protocol family
[ 2.425800] Key type asymmetric registered
[ 2.425806] Asymmetric key parser 'x509' registered
[ 2.425838] Block layer SCSI generic (bsg) driver version 0.4 loaded
(major 242)
[ 2.425846] io scheduler mq-deadline registered
[ 2.425852] io scheduler kyber registered
[ 2.427029] rockchip-csi2-dphy-hw 2b030000.csi2-dphy0-hw: csi2 dphy hw
probe successfully!
[ 2.427142] rockchip-csi2-dphy-hw 2b070000.csi2-dphy1-hw: csi2 dphy hw
probe successfully!
[ 2.428310] rockchip-usb2phy 2602e000.syscon:usb2-phy@0: error -ENXIO:
IRQ index 0 not found
[ 2.428402] rockchip-usb2phy 2602e000.syscon:usb2-phy@0: refclk freq
24000000
[ 2.429656] rockchip-usb2phy 2602e000.syscon:usb2-phy@2000: error -
ENXIO: IRQ index 0 not found
[ 2.429741] rockchip-usb2phy 2602e000.syscon:usb2-phy@2000: refclk
freq 24000000
[ 2.433208] rockchip-hdptx-phy-hdmi 2b000000.hdmiphy: hdptx phy init
success
[ 2.435673] rk-pcie 2a200000.pcie: invalid prsnt-gpios property in
node
[ 2.436263] iep: Module initialized.
[ 2.436316] mpp_service mpp-srv: b16c5d1a6 author: luckfox_eng33 2025-
02-28 arch/arm64/configs : add support for docker
[ 2.436325] mpp_service mpp-srv: probe start
[ 2.436511] rk-pcie 2a200000.pcie: max MSI vector is 32
[ 2.436559] rk-pcie 2a200000.pcie: host bridge /pcie@2a200000 ranges:
[ 2.436586] rk-pcie 2a200000.pcie:      err 0x0020000000..0x00200fffff
-> 0x0020000000
[ 2.436603] rk-pcie 2a200000.pcie:      IO 0x0020100000..0x00201fffff
-> 0x0020100000
[ 2.436621] rk-pcie 2a200000.pcie:      MEM 0x0020200000..0x0020ffffff
-> 0x0020200000
[ 2.436635] rk-pcie 2a200000.pcie:      MEM 0x0900000000..0x097ffffff
-> 0x0900000000
[ 2.436756] rk-pcie 2a200000.pcie: iATU unroll: enabled
[ 2.436767] rk-pcie 2a200000.pcie: iATU regions: 8 ob, 8 ib, align
64K, limit 8G
[ 2.438521] mpp_rkvenc2 rkvinc-ccu: probing start
[ 2.438533] mpp_rkvenc2 rkvinc-ccu: probing finish

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[ 2.438964] mpp_service mpp-srv: probe success
[ 2.448267] dma-pl330 2ab90000.dma-controller: Loaded driver for PL330
DMAC-241330
[ 2.448281] dma-pl330 2ab90000.dma-controller: DBUFF-128x8bytes
Num_Chans-8 Num_Peri-32 Num_Events-16
[ 2.449030] dma-pl330 2abb0000.dma-controller: Loaded driver for PL330
DMAC-241330
[ 2.449038] dma-pl330 2abb0000.dma-controller: DBUFF-128x8bytes
Num_Chans-8 Num_Peri-32 Num_Events-16
[ 2.449770] dma-pl330 2abd0000.dma-controller: Loaded driver for PL330
DMAC-241330
[ 2.449778] dma-pl330 2abd0000.dma-controller: DBUFF-128x8bytes
Num_Chans-8 Num_Peri-32 Num_Events-16
[ 2.450505] rockchip-system-monitor rockchip-system-monitor: system
monitor probe
[ 2.450853] arm-scmi firmware:scmi: Failed. SCMI protocol 22 not
active.
[ 2.450961] Serial: 8250/16550 driver, 15 ports, IRQ sharing disabled
[ 2.451591] 2ad50000.serial: ttyS2 at MMIO 0x2ad50000 (irq = 45,
base_baud = 11718) is a 16550A
[ 2.452038] 2ad70000.serial: ttyS4 at MMIO 0x2ad70000 (irq = 46,
base_baud = 11718) is a 16550A
[ 2.458474] mipi-dsi 27d80000.dsi.0: Fixed dependency cycle(s) with
/dsi@27d80000/ports/port@1/endpoint
[ 2.464508] cacheinfo: Unable to detect cache hierarchy for CPU 0
[ 2.464830] brd: module loaded
[ 2.467058] loop: module loaded
[ 2.467213] zram: Added device: zram0
[ 2.467339] lkdtm: No crash points registered, enable through debugfs
[ 2.469171] rockchip-spi 2acf0000.spi: no high_speed pinctrl state
[ 2.469470] rockchip-spi 2acf0000.spi: probed, poll=0, rsd=0, cs-
inactive=0, ready=0
[ 2.470252] CAN device driver interface
[ 2.470854] rk3576_canfd 2ac00000.can: CAN info: use_dma = 1,
rx_max_data = 18, fifo_depth = 14
[ 2.471701] rk_gmac-dwmac 2a220000.ethernet: IRQ eth_lpi not found
[ 2.471839] rk_gmac-dwmac 2a220000.ethernet: supply phy not found,
using dummy regulator
[ 2.471905] rk_gmac-dwmac 2a220000.ethernet: clock input or output?
(output).
[ 2.471913] rk_gmac-dwmac 2a220000.ethernet: TX delay(0x20).
[ 2.471920] rk_gmac-dwmac 2a220000.ethernet: Can not read property:
rx_delay.
[ 2.471926] rk_gmac-dwmac 2a220000.ethernet: set rx_delay to
0xffffffff
[ 2.471991] rk_gmac-dwmac 2a220000.ethernet: integrated PHY? (no).
[ 2.472000] rk_gmac-dwmac 2a220000.ethernet: cannot get clock
mac_clk_rx
[ 2.472007] rk_gmac-dwmac 2a220000.ethernet: cannot get clock
mac_clk_tx
[ 2.472020] rk_gmac-dwmac 2a220000.ethernet: cannot get clock
clk_mac_speed
[ 2.472259] rk_gmac-dwmac 2a220000.ethernet: init for RGMII_RXID

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[ 2.472339] rk_gmac-dwmac 2a220000.ethernet: User ID: 0x30, Synopsys
ID: 0x51
[ 2.472348] rk_gmac-dwmac 2a220000.ethernet: DWMAC4/5
[ 2.472356] rk_gmac-dwmac 2a220000.ethernet: DMA HW capability
register supported
[ 2.472361] rk_gmac-dwmac 2a220000.ethernet: RX Checksum Offload
Engine supported
[ 2.472367] rk_gmac-dwmac 2a220000.ethernet: TX Checksum insertion
supported
[ 2.472372] rk_gmac-dwmac 2a220000.ethernet: Wake-Up On Lan supported
[ 2.472405] rk_gmac-dwmac 2a220000.ethernet: TSO supported
[ 2.472410] rk_gmac-dwmac 2a220000.ethernet: Enable RX Mitigation via
HW Watchdog Timer
[ 2.472417] rk_gmac-dwmac 2a220000.ethernet: Enabled L3L4 Flow TC
(entries=2)
[ 2.472423] rk_gmac-dwmac 2a220000.ethernet: Enabled RFS Flow TC
(entries=10)
[ 2.472429] rk_gmac-dwmac 2a220000.ethernet: TSO feature enabled
[ 2.472435] rk_gmac-dwmac 2a220000.ethernet: Using 40/40 bits DMA
host/device width
[ 2.609595] rk_gmac-dwmac 2a230000.ethernet: IRQ eth_lpi not found
[ 2.609741] rk_gmac-dwmac 2a230000.ethernet: supply phy not found,
using dummy regulator
[ 2.609802] rk_gmac-dwmac 2a230000.ethernet: clock input or output?
(output).
[ 2.609810] rk_gmac-dwmac 2a230000.ethernet: TX delay(0x20).
[ 2.609817] rk_gmac-dwmac 2a230000.ethernet: Can not read property:
rx_delay.
[ 2.609822] rk_gmac-dwmac 2a230000.ethernet: set rx_delay to
0xffffffff
[ 2.609837] rk_gmac-dwmac 2a230000.ethernet: integrated PHY? (no).
[ 2.609845] rk_gmac-dwmac 2a230000.ethernet: cannot get clock
mac_clk_rx
[ 2.609852] rk_gmac-dwmac 2a230000.ethernet: cannot get clock
mac_clk_tx
[ 2.609865] rk_gmac-dwmac 2a230000.ethernet: cannot get clock
clk_mac_speed
[ 2.610086] rk_gmac-dwmac 2a230000.ethernet: init for RGMII_RXID
[ 2.610165] rk_gmac-dwmac 2a230000.ethernet: User ID: 0x30, Synopsys
ID: 0x51
[ 2.610173] rk_gmac-dwmac 2a230000.ethernet: DWMAC4/5
[ 2.610181] rk_gmac-dwmac 2a230000.ethernet: DMA HW capability
register supported
[ 2.610186] rk_gmac-dwmac 2a230000.ethernet: RX Checksum Offload
Engine supported
[ 2.610192] rk_gmac-dwmac 2a230000.ethernet: TX Checksum insertion
supported
[ 2.610197] rk_gmac-dwmac 2a230000.ethernet: Wake-Up On Lan supported
[ 2.610228] rk_gmac-dwmac 2a230000.ethernet: TSO supported
[ 2.610234] rk_gmac-dwmac 2a230000.ethernet: Enable RX Mitigation via
HW Watchdog Timer
[ 2.610240] rk_gmac-dwmac 2a230000.ethernet: Enabled L3L4 Flow TC
(entries=2)

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[ 2.610247] rk_gmac-dwmac 2a230000.ethernet: Enabled RFS Flow TC
(entries=10)
[ 2.610252] rk_gmac-dwmac 2a230000.ethernet: TSO feature enabled
[ 2.610258] rk_gmac-dwmac 2a230000.ethernet: Using 40/40 bits DMA
host/device width
[ 2.645245] rk-pcie 2a200000.pcie: PCIe Linking... LTSSM is 0x3
[ 2.672134] rk-pcie 2a200000.pcie: PCIe Linking... LTSSM is 0x3
[ 2.700132] rk-pcie 2a200000.pcie: PCIe Linking... LTSSM is 0x3
[ 2.728132] rk-pcie 2a200000.pcie: PCIe Linking... LTSSM is 0x3
[ 2.745505] usbcore: registered new interface driver rtl8150
[ 2.745523] usbcore: registered new device driver r8152-cfgselector
[ 2.745542] usbcore: registered new interface driver r8152
[ 2.746944] usbcore: registered new interface driver cdc_acm
[ 2.746952] cdc_acm: USB Abstract Control Model driver for USB modems
and ISDN adapters
[ 2.747027] usbcore: registered new interface driver uas
[ 2.747050] usbcore: registered new interface driver usb-storage
[ 2.747083] usbcore: registered new interface driver usbserial_generic
[ 2.747095] usbserial: USB Serial support registered for generic
[ 2.747112] usbcore: registered new interface driver cp210x
[ 2.747122] usbserial: USB Serial support registered for cp210x
[ 2.747137] usbcore: registered new interface driver ftdi_sio
[ 2.747147] usbserial: USB Serial support registered for FTDI USB
Serial Device
[ 2.747164] usbcore: registered new interface driver keyspan
[ 2.747175] usbserial: USB Serial support registered for Keyspan -
(without firmware)
[ 2.747185] usbserial: USB Serial support registered for Keyspan 1
port adapter
[ 2.747195] usbserial: USB Serial support registered for Keyspan 2
port adapter
[ 2.747205] usbserial: USB Serial support registered for Keyspan 4
port adapter
[ 2.747221] usbcore: registered new interface driver option
[ 2.747232] usbserial: USB Serial support registered for GSM modem (1-
port)
[ 2.747247] usbcore: registered new interface driver oti6858
[ 2.747257] usbserial: USB Serial support registered for oti6858
[ 2.747272] usbcore: registered new interface driver pl2303
[ 2.747281] usbserial: USB Serial support registered for pl2303
[ 2.747297] usbcore: registered new interface driver qcserial
[ 2.747307] usbserial: USB Serial support registered for Qualcomm USB
modem
[ 2.747322] usbcore: registered new interface driver sierra
[ 2.747332] usbserial: USB Serial support registered for Sierra USB
modem
[ 2.747941] usbcore: registered new interface driver usbtouchscreen
[ 2.748186] .. rk_pwm remotectl v2.0 init
[ 2.748327] input: 27330000.pwm as
/devices/platform/27330000.pwm/input/input0
[ 2.748481] remotectl-pwm 27330000.pwm: pwm sip wakeup config error!!
[ 2.748488] remotectl-pwm 27330000.pwm: Donot support ATF Wakeup
[ 2.748860] i2c_dev: i2c /dev entries driver

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[ 2.749991] i2c 1-0023: Fixed dependency cycle(s) with
/i2c@2ac40000/pmic@23/pinctrl_rk806/rk806_dvs1_pwrn
[ 2.750007] i2c 1-0023: Fixed dependency cycle(s) with
/i2c@2ac40000/pmic@23/pinctrl_rk806/rk806_dvs3_null
[ 2.750018] i2c 1-0023: Fixed dependency cycle(s) with
/i2c@2ac40000/pmic@23/pinctrl_rk806/rk806_dvs2_null
[ 2.750030] i2c 1-0023: Fixed dependency cycle(s) with
/i2c@2ac40000/pmic@23/pinctrl_rk806/rk806_dvs1_null
[ 2.752712] rtc-hym8563 2-0051: rtc information is valid
[ 2.756135] rk-pcie 2a200000.pcie: PCIe Linking... LTSSM is 0x3
[ 2.759621] rtc-hym8563 2-0051: registered as rtc0
[ 2.760627] rtc-hym8563 2-0051: setting system clock to 2025-06-
11T14:30:56 UTC (1749652256)
[ 2.760742] i2c 2-004e: Fixed dependency cycle(s) with
/usb@23000000/port/endpoint
[ 2.761489] i2c 4-0037: Fixed dependency cycle(s) with /csi2-
dphy1/ports/port@0/endpoint@1
[ 2.761626] i2c 4-0030: Fixed dependency cycle(s) with /csi2-
dphy1/ports/port@0/endpoint@2
[ 2.762110] i2c 5-0037: Fixed dependency cycle(s) with /csi2-
dcphy0/ports/port@0/endpoint@1
[ 2.762238] i2c 5-0030: Fixed dependency cycle(s) with /csi2-
dcphy0/ports/port@0/endpoint@2
[ 2.762378] Goodix-TS 5-005d: supply vdd_ana not found, using dummy
regulator
[ 2.762449] Goodix-TS 5-005d: supply vcc3v3_lcd0_n not found, using
dummy regulator
[ 2.776828] <<-GTP-ERROR->> I2C Read: 0x8047, 1 bytes failed, errcode:
-6! Process reset.
[ 2.784136] rk-pcie 2a200000.pcie: PCIe Linking... LTSSM is 0x3
[ 2.792129] <<-GTP-ERROR->> GTP i2c test failed time 1.
[ 2.812133] rk-pcie 2a200000.pcie: PCIe Linking... LTSSM is 0x3
[ 2.812816] <<-GTP-ERROR->> I2C Read: 0x8047, 1 bytes failed, errcode:
-6! Process reset.
[ 2.828127] <<-GTP-ERROR->> GTP i2c test failed time 2.
[ 2.840135] rk-pcie 2a200000.pcie: PCIe Linking... LTSSM is 0x3
[ 2.848814] <<-GTP-ERROR->> I2C Read: 0x8047, 1 bytes failed, errcode:
-6! Process reset.
[ 2.864127] <<-GTP-ERROR->> GTP i2c test failed time 3.
[ 2.868135] rk-pcie 2a200000.pcie: PCIe Linking... LTSSM is 0x3
[ 2.884813] <<-GTP-ERROR->> I2C Read: 0x8047, 1 bytes failed, errcode:
-6! Process reset.
[ 2.896134] rk-pcie 2a200000.pcie: PCIe Linking... LTSSM is 0x3
[ 2.900128] <<-GTP-ERROR->> GTP i2c test failed time 4.
[ 2.920813] <<-GTP-ERROR->> I2C Read: 0x8047, 1 bytes failed, errcode:
-6! Process reset.
[ 2.936127] <<-GTP-ERROR->> GTP i2c test failed time 5.
[ 2.956127] <<-GTP-ERROR->> I2C communication ERROR!
[ 2.956136] Goodix-TS: probe of 5-005d failed with error -12
[ 2.957560] ircut cam_ircut0: driver version: 00.01.00
[ 2.957634] ircut cam_ircut0: failed get pulse-width,use default value
100
[ 2.957651] ircut cam_ircut0: Failed to get ircut-open-gpios
[ 2.957662] ircut cam_ircut0: Failed to get ircut-close-gpios

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[ 2.957677] ircut cam_ircut0: probe successful!
[ 2.957711] ircut cam_ircut1: driver version: 00.01.00
[ 2.957768] ircut cam_ircut1: failed get pulse-width,use default value
100
[ 2.957780] ircut cam_ircut1: Failed to get ircut-open-gpios
[ 2.957791] ircut cam_ircut1: Failed to get ircut-close-gpios
[ 2.957806] ircut cam_ircut1: probe successful!
[ 2.958075] rkcihw 27c10000.rkcif: Adding to iommu group 9
[ 2.958421] rkcihw 27c10000.rkcif: No reserved memory region assign
to CIF
[ 2.958534] rkcihw rkcihw-mipi-lvds: Adding to iommu group 9
[ 2.958550] rkcihw rkcihw-mipi-lvds: rkcihw driver version: v00.02.00
[ 2.958626] rkcihw rkcihw-mipi-lvds: attach to cif hw node
[ 2.958633] rkcihw rkcihw-mipi-lvds: rkcihw wait line 0
[ 2.958638] rkcihw rkcihw-mipi-lvds: rkcihw fastboot reserve bufs num 3
[ 2.958646] : terminal subdev does not exist
[ 2.958653] : terminal subdev does not exist
[ 2.958659] : terminal subdev does not exist
[ 2.958665] : terminal subdev does not exist
[ 2.958670] : get_remote_sensor: video pad[0] is null
[ 2.958675] : rkcihw_update_sensor_info: stream[0] get remote sensor_sd
failed!
[ 2.958681] : rkcihw_scale_set_fmt: req(40, 30) src out(0, 0)
[ 2.958688] : get_remote_sensor: video pad[0] is null
[ 2.958692] : rkcihw_update_sensor_info: stream[0] get remote sensor_sd
failed!
[ 2.958697] : rkcihw_scale_set_fmt: req(40, 30) src out(0, 0)
[ 2.958703] : get_remote_sensor: video pad[0] is null
[ 2.958707] : rkcihw_update_sensor_info: stream[0] get remote sensor_sd
failed!
[ 2.958712] : rkcihw_scale_set_fmt: req(40, 30) src out(0, 0)
[ 2.958718] : get_remote_sensor: video pad[0] is null
[ 2.958722] : rkcihw_update_sensor_info: stream[0] get remote sensor_sd
failed!
[ 2.958727] : rkcihw_scale_set_fmt: req(40, 30) src out(0, 0)
[ 2.959383] rkcihw rkcihw-mipi-lvds: No memory-region-thunderboot
specified
[ 2.959502] rkcihw rkcihw-mipi-lvds1: Adding to iommu group 9
[ 2.959519] rkcihw rkcihw-mipi-lvds1: rkcihw driver version: v00.02.00
[ 2.959568] rkcihw rkcihw-mipi-lvds1: attach to cif hw node
[ 2.959574] rkcihw rkcihw-mipi-lvds1: rkcihw wait line 0
[ 2.959579] rkcihw rkcihw-mipi-lvds1: rkcihw fastboot reserve bufs num 3
[ 2.959587] : terminal subdev does not exist
[ 2.959593] : terminal subdev does not exist
[ 2.959599] : terminal subdev does not exist
[ 2.959604] : terminal subdev does not exist
[ 2.959610] : get_remote_sensor: video pad[0] is null
[ 2.959614] : rkcihw_update_sensor_info: stream[0] get remote sensor_sd
failed!
[ 2.959619] : rkcihw_scale_set_fmt: req(40, 30) src out(0, 0)
[ 2.959626] : get_remote_sensor: video pad[0] is null
[ 2.959630] : rkcihw_update_sensor_info: stream[0] get remote sensor_sd
failed!
[ 2.959635] : rkcihw_scale_set_fmt: req(40, 30) src out(0, 0)
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[ 2.959641] : get_remote_sensor: video pad[0] is null
[ 2.959645] : rkCIF_update_sensor_info: stream[0] get remote sensor_sd
failed!
[ 2.959650] : rkCIF_scale_set_fmt: req(40, 30) src out(0, 0)
[ 2.959656] : get_remote_sensor: video pad[0] is null
[ 2.959660] : rkCIF_update_sensor_info: stream[0] get remote sensor_sd
failed!
[ 2.959665] : rkCIF_scale_set_fmt: req(40, 30) src out(0, 0)
[ 2.960327] rkCIF rkCIF-mipi-lvds1: No memory-region-thunderboot
specified
[ 2.961162] rockchip-mipi-csi2-hw 27c80000.mipi0-csi2-hw: enter mipi
csi2 hw probe!
[ 2.961277] rockchip-mipi-csi2-hw 27c80000.mipi0-csi2-hw: probe
success, v4l2_dev:mipi0-csi2-hw!
[ 2.961313] rockchip-mipi-csi2-hw 27c90000.mipi1-csi2-hw: enter mipi
csi2 hw probe!
[ 2.961380] rockchip-mipi-csi2-hw 27c90000.mipi1-csi2-hw: probe
success, v4l2_dev:mipi1-csi2-hw!
[ 2.961414] rockchip-mipi-csi2-hw 27ca0000.mipi2-csi2-hw: enter mipi
csi2 hw probe!
[ 2.961484] rockchip-mipi-csi2-hw 27ca0000.mipi2-csi2-hw: probe
success, v4l2_dev:mipi2-csi2-hw!
[ 2.961517] rockchip-mipi-csi2-hw 27cb0000.mipi3-csi2-hw: enter mipi
csi2 hw probe!
[ 2.961584] rockchip-mipi-csi2-hw 27cb0000.mipi3-csi2-hw: probe
success, v4l2_dev:mipi3-csi2-hw!
[ 2.961615] rockchip-mipi-csi2-hw 27cc0000.mipi4-csi2-hw: enter mipi
csi2 hw probe!
[ 2.961691] rockchip-mipi-csi2-hw 27cc0000.mipi4-csi2-hw: probe
success, v4l2_dev:mipi4-csi2-hw!
[ 2.962056] rockchip-mipi-csi2 mipi0-csi2: attach to csi2 hw node
[ 2.962082] rkCIF rkCIF-mipi-lvds: Entity type for entity rockchip-
mipi-csi2 was not initialized!
[ 2.962091] rockchip-mipi-csi2: Async registered subdev
[ 2.962098] rockchip-mipi-csi2: probe success, v4l2_dev:rkCIF-mipi-
lvds!
[ 2.962307] rockchip-mipi-csi2 mipi1-csi2: attach to csi2 hw node
[ 2.962328] rkCIF rkCIF-mipi-lvds1: Entity type for entity rockchip-
mipi-csi2 was not initialized!
[ 2.962336] rockchip-mipi-csi2: Async registered subdev
[ 2.962342] rockchip-mipi-csi2: probe success, v4l2_dev:rkCIF-mipi-
lvds1!
[ 2.963066] rkisp_hw 27c00000.isp: Adding to iommu group 8
[ 2.963215] rkisp_hw 27c00000.isp: is_thunderboot: 0
[ 2.963222] rkisp_hw 27c00000.isp: Missing rockchip,grf property
[ 2.963242] rkisp_hw 27c00000.isp: max input:0x0@0fps
[ 2.963361] rkisp_hw 27c00000.isp: no find phandle sram
[ 2.963615] rkisp rkisp-vir0: rkisp driver version: v02.06.00
[ 2.963694] rkisp rkisp-vir0: No memory-region-thunderboot specified
[ 2.963764] rkisp rkisp-vir0: Entity type for entity rkisp-isp-subdev
was not initialized!
[ 2.964365] rkisp rkisp-vir1: rkisp driver version: v02.06.00
[ 2.964419] rkisp rkisp-vir1: No memory-region-thunderboot specified
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[ 2.964473] rkisp rkisp-vir1: Entity type for entity rkisp-isp-subdev
was not initialized!
[ 2.966015] rkvpss_hw 27c30000.vpss: Adding to iommu group 10
[ 2.966239] rkvpss_hw 27c30000.vpss: failed to get cru reset
[ 2.966513] rkvpss rkvpss-vir0: rkvpss driver version: v00.01.00
[ 2.966911] rkvpss-vir0: Async subdev notifier completed
[ 2.967159] usbcore: registered new interface driver uvcvideo
[ 2.968085] Bluetooth: HCI UART driver ver 2.3
[ 2.968094] Bluetooth: HCI UART protocol H4 registered
[ 2.968099] Bluetooth: HCI UART protocol ATH3K registered
[ 2.968135] usbcore: registered new interface driver bfusb
[ 2.968154] usbcore: registered new interface driver btusb
[ 2.968682] cpu cpu0: bin=0
[ 2.968887] cpu cpu0: leakage=4
[ 2.968909] cpu cpu0: Failed to get reg
[ 2.968952] cpu cpu0: failed to set opp config
[ 2.968959] cpu cpu0: failed to init opp info
[ 2.968964] Failed to initialize dvfs info cpu0
[ 2.970117] sdhci: Secure Digital Host Controller Interface driver
[ 2.970125] sdhci: Copyright(c) Pierre Ossman
[ 2.970130] Synopsys Designware Multimedia Card Interface Driver
[ 2.970400] sdhci-pltfm: SDHCI platform and OF driver helper
[ 2.971106] dwmmc_rockchip 2a320000.mmc: No normal pinctrl state
[ 2.971124] dwmmc_rockchip 2a320000.mmc: No idle pinctrl state
[ 2.971360] dwmmc_rockchip 2a320000.mmc: IDMAC supports 32-bit address
mode.
[ 2.971391] dwmmc_rockchip 2a320000.mmc: Using internal DMA
controller.
[ 2.971402] dwmmc_rockchip 2a320000.mmc: Version ID is 270a
[ 2.971442] dwmmc_rockchip 2a320000.mmc: DW MMC controller at irq
91,32 bit host data width,256 deep fifo
[ 2.971689] mmc0: CQHCI version 5.10
[ 2.971929] ledtrig-cpu: registered to indicate activity on CPUs
[ 2.971966] arm-scmi firmware:scmi: Failed. SCMI protocol 17 not
active.
[ 2.972002] SMCCC: SOC_ID: ARCH_SOC_ID not implemented, skipping ....
[ 2.972376] rk-crypto 2a400000.crypto: invalid resource
[ 2.972711] rk-crypto 2a400000.crypto: register to cryptodev ok!
[ 2.972722] rk-crypto 2a400000.crypto: CRYPTO V3.0.0.0 multi
Accelerator successfully registered
[ 2.973147] cryptodev: driver 1.12 loaded.
[ 2.973172] hid: raw HID events driver (C) Jiri Kosina
[ 2.973335] usbcore: registered new interface driver usbhid
[ 2.973341] usbhid: USB HID core driver
[ 2.975444] optee: probing for conduit method.
[ 2.975463] optee: revision 3.13 (b90c1680)
[ 2.975774] optee: dynamic shared memory is enabled
[ 2.975883] optee: initialized driver
[ 2.976444] usbcore: registered new interface driver snd-usb-audio
[ 2.982522] rk-multicodecs es8388-sound: Has no ADC channel
[ 2.984270] mmc_host mmc1: Bus speed (slot 0) = 400000Hz (slot req
400000Hz, actual 400000Hz div = 0)
[ 2.994110] ES8323 2-0010: ASoC: error at soc_component_write_no_lock
on ES8323.2-0010 for register: [0x00000035] -5

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[ 2.996187] mmc_add_host: get sdio host!
[ 3.002867] mmc0: SDHCI controller on 2a330000.mmc [2a330000.mmc]
using ADMA 64-bit
[ 3.039316] rk-multicodecs es8388-sound: Don't need to map headset
detect gpio to irq
[ 3.044631] Initializing XFRM netlink socket
[ 3.044810] NET: Registered PF_INET6 protocol family
[ 3.045467] Segment Routing with IPv6
[ 3.045482] In-situ OAM (IOAM) with IPv6
[ 3.045529] NET: Registered PF_PACKET protocol family
[ 3.045538] NET: Registered PF_KEY protocol family
[ 3.045554] can: controller area network core
[ 3.045575] NET: Registered PF_CAN protocol family
[ 3.045583] can: raw protocol
[ 3.045590] can: broadcast manager protocol
[ 3.045597] can: netlink gateway - max_hops=1
[ 3.045739] Bluetooth: RFCOMM socket layer initialized
[ 3.045754] Bluetooth: RFCOMM ver 1.11
[ 3.045762] Bluetooth: HIDP (Human Interface Emulation) ver 1.2
[ 3.045769] Bluetooth: HIDP socket layer initialized
[ 3.045790] [BT_RFKILL]: Enter rfkill_rk_init
[ 3.045795] [WLAN_RFKILL]: Enter rfkill_wlan_init
[ 3.046408] rockchip-pinctrl pinctrl: pin gpio1-22 already requested
by sdio-pwrseq; cannot claim for wireless-wlan
[ 3.046419] rockchip-pinctrl pinctrl: pin-54 (wireless-wlan) status -
22
[ 3.046427] rockchip-pinctrl pinctrl: could not request pin 54 (gpio1-
22) from group wifi-poweren-gpio on device rockchip-pinctrl
[ 3.046434] wlan-platdata wireless-wlan: Error applying setting,
reverse things back
[ 3.046933] [BT_RFKILL]: bluetooth_platdata_parse_dt: get property:
uart_rts_gpios = 50.
[ 3.046952] [BT_RFKILL]: bluetooth_platdata_parse_dt: get property:
BT,reset_gpio = 55.
[ 3.046961] [BT_RFKILL]: bluetooth_platdata_parse_dt: get property:
BT,wake_gpio = 60.
[ 3.046970] [BT_RFKILL]: bluetooth_platdata_parse_dt: get property:
BT,wake_host_irq = 9.
[ 3.046977] [BT_RFKILL]: bluetooth_platdata_parse_dt: clk_get
failed!!!.
[ 3.047007] [BT_RFKILL]: Request irq for bt wakeup host
[ 3.047260] [BT_RFKILL]: ** disable irq
[ 3.047339] [BT_RFKILL]: bt_default device registered.
[ 3.047395] input: bt-powerkey as /devices/platform/wireless-
bluetooth/input/input1
[ 3.047554] Key type dns_resolver registered
[ 3.048156] imx415 4-0037: driver version: 00.01.08
[ 3.048172] imx415 4-0037: Get hdr mode failed! no hdr default
[ 3.048184] imx415 4-0037: detect imx415 lane 4
[ 3.048216] imx415 4-0037: Failed to get power-gpios
[ 3.048223] imx415 4-0037: could not get default pinstat
[ 3.048229] imx415 4-0037: could not get sleep pinstat
[ 3.048242] imx415 4-0037: supply dvdd not found, using dummy
regulator

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[ 3.048314] imx415 4-0037: supply dovdd not found, using dummy
regulator
[ 3.048339] imx415 4-0037: supply avdd not found, using dummy
regulator
[ 3.110994] imx415 4-0037: Detected imx415 id 0000e0
[ 3.111371] mmc0: Command Queue Engine enabled
[ 3.111388] mmc0: new HS400 Enhanced strobe MMC card at address 0001
[ 3.111544] imx415 5-0037: driver version: 00.01.08
[ 3.111558] imx415 5-0037: Get hdr mode failed! no hdr default
[ 3.111570] imx415 5-0037: detect imx415 lane 4
[ 3.111603] imx415 5-0037: Failed to get power-gpios
[ 3.111610] imx415 5-0037: could not get default pinstat
[ 3.111615] imx415 5-0037: could not get sleep pinstat
[ 3.111628] imx415 5-0037: supply dvdd not found, using dummy
regulator
[ 3.111692] imx415 5-0037: supply dovdd not found, using dummy
regulator
[ 3.111727] imx415 5-0037: supply avdd not found, using dummy
regulator
[ 3.111747] mmcblk0: mmc0:0001 SCA64G 58.2 GiB
[ 3.115239] mmcblk0: p1 p2 p3 p4 p5 p6
[ 3.116186] mmcblk0boot0: mmc0:0001 SCA64G 4.00 MiB
[ 3.116727] mmcblk0boot1: mmc0:0001 SCA64G 4.00 MiB
[ 3.117251] mmcblk0rpb: mmc0:0001 SCA64G 4.00 MiB, chardev (235:0)
[ 3.158483] vendor storage:20190527 ret = 0
[ 3.182321] imx415 5-0037: Unexpected sensor id(000000), ret(-5)
[ 3.182903] rockchip-pinctrl pinctrl: pin gpio3-23 already requested
by 4-0037; cannot claim for 4-0030
[ 3.182914] rockchip-pinctrl pinctrl: pin-119 (4-0030) status -22
[ 3.182921] rockchip-pinctrl pinctrl: could not request pin 119
(gpio3-23) from group cam1-reset-gpio on device rockchip-pinctrl
[ 3.182929] sc4336 4-0030: Error applying setting, reverse things back
[ 3.183058] sc4336 5-0030: driver version: 00.01.01
[ 3.183097] sc4336 5-0030: Failed to get pwn-gpios
[ 3.183104] sc4336 5-0030: could not get default pinstat
[ 3.183110] sc4336 5-0030: could not get sleep pinstat
[ 3.183122] sc4336 5-0030: supply avdd not found, using dummy
regulator
[ 3.183178] sc4336 5-0030: supply dovdd not found, using dummy
regulator
[ 3.183200] sc4336 5-0030: supply dvdd not found, using dummy
regulator
[ 3.193106] sc4336 5-0030: Unexpected sensor id(000000), ret(-5)
[ 3.193831] Loading compiled-in X.509 certificates
[ 3.195279] pstore: Using crash dump compression: deflate
[ 3.202334] rga2 27920000.rga: Adding to iommu group 2
[ 3.202648] rga2 27920000.rga: probe successfully, irq = 50,
hw_version:3.e.19357
[ 3.202772] rga2 27930000.rga: Adding to iommu group 3
[ 3.203036] rga2 27930000.rga: probe successfully, irq = 51,
hw_version:3.e.19357
[ 3.203225] rga_iommu: IOMMU binding successfully, default mapping
core[0x4]
[ 3.203395] rga: Module initialized. v1.3.4

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[ 3.218764] reg-fixed-voltage vcc5v0-host: nonexclusive access to GPIO
for vcc5v0-host
[ 3.219747] rockchip-csi2-dphy csi2-dcphy0: csi2 dphy0 probe
successfully!
[ 3.220053] imx415 4-0037: Consider updating driver imx415 to match on
endpoints
[ 3.220063] rockchip-csi2-dphy csi2-dphy1: dphy1 matches m01_f_imx415
4-0037:bus type 5
[ 3.220075] rockchip-csi2-dphy csi2-dphy1: csi2 dphy1 probe
successfully!
[ 3.220253] rockchip-usb2phy 2602e000.syscon:usb2-phy@2000: error -
ENXIO: IRQ index 0 not found
[ 3.220342] rockchip-usb2phy 2602e000.syscon:usb2-phy@2000: refclk
freq 24000000
[ 3.222284] mpp-iep2 27960000.iep: Adding to iommu group 4
[ 3.222478] mpp-iep2 27960000.iep: probe device
[ 3.222619] mpp-iep2 27960000.iep: reset_group->rw_sem_on=0
[ 3.222631] mpp-iep2 27960000.iep: reset_group->rw_sem_on=0
[ 3.222641] mpp-iep2 27960000.iep: reset_group->rw_sem_on=0
[ 3.222668] mpp-iep2 27960000.iep: allocate roi buffer failed
[ 3.222686] mpp-iep2 27960000.iep: probing finish
[ 3.222827] mpp_jpgdec 27910000.jpegdec: Adding to iommu group 1
[ 3.222987] mpp_jpgdec 27910000.jpegdec: probe device
[ 3.223120] mpp_jpgdec 27910000.jpegdec: reset_group->rw_sem_on=0
[ 3.223131] mpp_jpgdec 27910000.jpegdec: reset_group->rw_sem_on=0
[ 3.223179] mpp_jpgdec 27910000.jpegdec: probing finish
[ 3.223329] mpp_jpgenc 27910800.jpege: Adding to iommu group 1
[ 3.223374] mpp_jpgenc 27910800.jpege: probe device
[ 3.223474] mpp_jpgenc 27910800.jpege: reset_group->rw_sem_on=0
[ 3.223482] mpp_jpgenc 27910800.jpege: reset_group->rw_sem_on=0
[ 3.223511] mpp_jpgenc 27910800.jpege: probe finish
[ 3.223692] mpp_rkvdec2 27b00100.rkvdec: Adding to iommu group 7
[ 3.223901] mpp_rkvdec2 27b00100.rkvdec: rkvdec, probing start
[ 3.224078] mpp_rkvdec2 27b00100.rkvdec: shared_niu_a is not found!
[ 3.224085] rkvdec2_init:1197: No niu aclk reset resource define
[ 3.224092] mpp_rkvdec2 27b00100.rkvdec: shared_niu_h is not found!
[ 3.224097] rkvdec2_init:1200: No niu hclk reset resource define
[ 3.224109] mpp_rkvdec2 27b00100.rkvdec: shared_video_cabac is not
found!
[ 3.224114] rkvdec2_init:1206: No cabac reset resource define
[ 3.224153] mpp_rkvdec2 27b00100.rkvdec: no regulator, devfreq is
disabled
[ 3.224286] mpp_rkvdec2 27b00100.rkvdec: sram_start 0x000000003ff88000
[ 3.224293] mpp_rkvdec2 27b00100.rkvdec: rcb_iova 0x0000000010000000
[ 3.224299] mpp_rkvdec2 27b00100.rkvdec: sram_size 491520
[ 3.224304] mpp_rkvdec2 27b00100.rkvdec: rcb_size 491520
[ 3.224311] mpp_rkvdec2 27b00100.rkvdec: min_width 512
[ 3.224332] mpp_rkvdec2 27b00100.rkvdec: link mode probe finish
[ 3.224368] mpp_rkvdec2 27b00100.rkvdec: probing finish
[ 3.224385] mpp_rkvdec2 27b00100.rkvdec: probing finish
[ 3.224569] mpp_rkvenc2 27a00000.rkvenc-core: Adding to iommu group 5
[ 3.224799] mpp_rkvenc2 27a00000.rkvenc-core: probing start
[ 3.224960] mpp_rkvenc2 27a00000.rkvenc-core: failed to init opp info
[ 3.224967] mpp_rkvenc2 27a00000.rkvenc-core: failed to init_opp_table
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[ 3.224972] rkvinc_init:2147: failed to add venc devfreq
[ 3.225023] mpp_rkvenc2 27a00000.rkvenc-core: attach ccu as core 0
[ 3.225051] mpp_rkvenc2 27a00000.rkvenc-core: probing finish
[ 3.225228] mpp_rkvenc2 27a10000.rkvenc-core: Adding to iommu group 6
[ 3.225412] mpp_rkvenc2 27a10000.rkvenc-core: probing start
[ 3.225566] mpp_rkvenc2 27a10000.rkvenc-core: failed to init opp info
[ 3.225574] mpp_rkvenc2 27a10000.rkvenc-core: failed to init_opp_table
[ 3.225579] rkvinc_init:2147: failed to add venc devfreq
[ 3.225623] mpp_rkvenc2 27a10000.rkvenc-core: attach ccu as core 1
[ 3.225652] mpp_rkvenc2 27a10000.rkvenc-core: probing finish
[ 3.225901] OF: graph: no port node found in /dp@27e40000
[ 3.226632] panel-simple-dsi 27d80000.dsi.0: supply power not found,
using dummy regulator
[ 3.226707] panel-simple-dsi 27d80000.dsi.0: Expected bpc in {6,8} but
got: 0
[ 3.234856] phy phy-2602e000.syscon:usb2-phy@2000.5: illegal mode
[ 3.234875] xhci-hcd xhci-hcd.1.auto: xHCI Host Controller
[ 3.235050] xhci-hcd xhci-hcd.1.auto: new USB bus registered, assigned
bus number 1
[ 3.235130] xhci-hcd xhci-hcd.1.auto: hcc params 0x0220fe64 hci
version 0x110 quirks 0x0000800002010010
[ 3.235160] xhci-hcd xhci-hcd.1.auto: irq 105, io mem 0x23400000
[ 3.235234] xhci-hcd xhci-hcd.1.auto: xHCI Host Controller
[ 3.235342] xhci-hcd xhci-hcd.1.auto: new USB bus registered, assigned
bus number 2
[ 3.235353] xhci-hcd xhci-hcd.1.auto: Host supports USB 3.0 SuperSpeed
[ 3.235419] usb usb1: New USB device found, idVendor=1d6b,
idProduct=0002, bcdDevice= 6.01
[ 3.235427] usb usb1: New USB device strings: Mfr=3, Product=2,
SerialNumber=1
[ 3.235434] usb usb1: Product: xHCI Host Controller
[ 3.235439] usb usb1: Manufacturer: Linux 6.1.75 xhci-hcd
[ 3.235445] usb usb1: SerialNumber: xhci-hcd.1.auto
[ 3.235690] hub 1-0:1.0: USB hub found
[ 3.235706] hub 1-0:1.0: 1 port detected
[ 3.235856] usb usb2: We don't know the algorithms for LPM for this
host, disabling LPM.
[ 3.235902] usb usb2: New USB device found, idVendor=1d6b,
idProduct=0003, bcdDevice= 6.01
[ 3.235909] usb usb2: New USB device strings: Mfr=3, Product=2,
SerialNumber=1
[ 3.235915] usb usb2: Product: xHCI Host Controller
[ 3.235921] usb usb2: Manufacturer: Linux 6.1.75 xhci-hcd
[ 3.235926] usb usb2: SerialNumber: xhci-hcd.1.auto
[ 3.236147] hub 2-0:1.0: USB hub found
[ 3.236164] hub 2-0:1.0: 1 port detected
[ 3.238626] rk806 1-0023: chip id: RK806,ver:0xa, 0x5
[ 3.239696] rk806 1-0023: ON: 0x40 OFF:0x0
[ 3.251200] input: rk805 pwrkey as /devices/platform/2ac40000.i2c/i2c-
1/1-0023/rk805-pwrkey.3.auto/input/input2
[ 3.318434] rk806 1-0023: no sleep-setting state
[ 3.318453] rk806 1-0023: no reset-setting pinctrl state
[ 3.318459] rk806 1-0023: no dvs-setting pinctrl state
[ 3.342885] rockchip-dmc dmc: bin=0
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[ 3.343111] rockchip-dmc dmc: leakage=13
[ 3.343179] rockchip-dmc dmc: leakage-volt-sel=1
[ 3.343873] dwmmc_rockchip 2a310000.mmc: No normal pinctrl state
[ 3.343891] dwmmc_rockchip 2a310000.mmc: No idle pinctrl state
[ 3.344139] dwmmc_rockchip 2a310000.mmc: IDMAC supports 32-bit address
mode.
[ 3.344181] dwmmc_rockchip 2a310000.mmc: Using internal DMA
controller.
[ 3.344193] dwmmc_rockchip 2a310000.mmc: Version ID is 270a
[ 3.344232] dwmmc_rockchip 2a310000.mmc: DW MMC controller at irq
112,32 bit host data width,256 deep fifo
[ 3.345250] dwmmc_rockchip 2a310000.mmc: allocated mmc-pwrseq
[ 3.345256] rockchip-dmc dmc: avs=0
[ 3.345268] rockchip-dmc dmc: current ATF version 0x100
[ 3.345465] rockchip-dmc dmc: normal_rate = 1560000000
[ 3.345473] rockchip-dmc dmc: reboot_rate = 2112000000
[ 3.345479] rockchip-dmc dmc: suspend_rate = 528000000
[ 3.345485] rockchip-dmc dmc: video_4k_rate = 1560000000
[ 3.345492] rockchip-dmc dmc: video_4k_10b_rate = 1560000000
[ 3.345498] rockchip-dmc dmc: video_svep_rate = 1560000000
[ 3.345504] rockchip-dmc dmc: boost_rate = 2112000000
[ 3.345510] rockchip-dmc dmc: fixed_rate(isp|cif0|cif1|dualview) =
2112000000
[ 3.345516] rockchip-dmc dmc: performance_rate = 2112000000
[ 3.345522] rockchip-dmc dmc: hdmirx_rate = 2112000000
[ 3.345528] rockchip-dmc dmc: deep_suspend_rate = 2112000000
[ 3.345539] rockchip-dmc dmc: failed to get vop pn to msch rl
[ 3.345840] rockchip-dmc dmc: l=15000 h=2147483647 hyst=5000 l_limit=0
h_limit=0 h_table=0
[ 3.345866] debugfs: Directory 'vdd_logic_s0' with parent
'vdd_logic_s0' already present!
[ 3.361273] rockchip-vop2 27d00000.vop: Adding to iommu group 11
[ 3.362027] rockchip-vop2 27d00000.vop: [drm:vop2_bind] vp0 assign
plane mask: Esmart0[0x4], primary plane phy id: Esmart0[2]
[ 3.362058] rockchip-vop2 27d00000.vop: [drm:vop2_bind] vp1 assign
plane mask: Esmart1[0x8], primary plane phy id: Esmart1[3]
[ 3.362069] rockchip-vop2 27d00000.vop: [drm:vop2_bind] vp2 assign
plane mask: Esmart2[0x100], primary plane phy id: Esmart2[8]
[ 3.362345] [drm] unsupported AFBC format NV12 little-endian
(0x3231564e)
[ 3.362393] [drm] failed to init overlay plane Cluster0-win1
[ 3.362441] [drm] failed to init overlay plane Cluster1-win1
[ 3.362715] rockchip-vop2 27d00000.vop: bin=0
[ 3.362938] rockchip-vop2 27d00000.vop: leakage=13
[ 3.362950] rockchip-vop2 27d00000.vop: leakage-volt-sel=1
[ 3.363918] rockchip-vop2 27d00000.vop: avs=0
[ 3.364021] rockchip-vop2 27d00000.vop: l=15000 h=2147483647 hyst=5000
l_limit=0 h_limit=0 h_table=0
[ 3.364054] debugfs: Directory 'vdd_logic_s0' with parent
'vdd_logic_s0' already present!
[ 3.365254] rockchip-vop2 27d00000.vop: Supported VOP aclk dvfs,
normal mode:500000000, reset mode:594000000, advanced mode:702000000
[ 3.365278] rockchip-drm display-subsystem: bound 27d00000.vop (ops
0xfffffff0095a3c00)

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[ 3.366784] dwhdmi-rockchip 27da0000.hdmi: registered ddc I2C bus
driver
[ 3.367561] rockchip-drm display-subsystem: bound 27da0000.hdmi (ops
0xffffffffc0095bcb38)
[ 3.367685] rockchip-drm display-subsystem: bound 27d80000.dsi (ops
0xffffffffc0095bf930)
[ 3.367983] rockchip-drm display-subsystem: bound 27e40000.dp (ops
0xffffffffc0095bff88)
[ 3.369109] panel-simple-dsi 27d80000.dsi.0:
drivers/gpu/drm/panel/panel-simple.c: panel_simple_regulator_enable:
waveshare backlight [i2c err]
[ 3.369137] panel-simple-dsi 27d80000.dsi.0:
drivers/gpu/drm/panel/panel-simple.c: panel_simple_regulator_enable:
[waveshare]
[ 3.402786] dwhdmi-rockchip 27da0000.hdmi: use tmds mode
[ 3.405340] rockchip-drm display-subsystem: route-dp0: failed to get
logo,offset
[ 3.405379] dwhdmi-rockchip 27da0000.hdmi: use tmds mode
[ 3.405964] dwhdmi-rockchip 27da0000.hdmi: use tmds mode
[ 3.423160] dw-hdmi-qp-hdcp dw-hdmi-qp-hdcp.7.auto:
dw_hdcp_qp_hdcp_probe success
[ 3.423622] [drm] Initialized rockchip 4.0.0 20140818 for display-
subsystem on minor 0
[ 3.424253] input: adc-keys as /devices/platform/adc-keys/input/input3
[ 3.424503] mali 27800000.gpu: Kernel DDK version g21p0-01eac0
[ 3.424629] mali 27800000.gpu: GPU metrics tracepoint support enabled
[ 3.425252] mali 27800000.gpu: bin=0
[ 3.425475] mali 27800000.gpu: leakage=5
[ 3.425523] debugfs: Directory '27800000.gpu-mali' with parent
'vdd_gpu_s0' already present!
[ 3.425627] debugfs: File 'Capture' in directory 'dapm' already
present!
[ 3.426237] input: rockchip-dp0 rockchip-dp0 as /devices/platform/dp0-
sound/sound/card1/input4
[ 3.427335] mali 27800000.gpu: pvtm=769
[ 3.427761] input: rockchip-hdmi rockchip-hdmi as
/devices/platform/hdmi-sound/sound/card2/input5
[ 3.427860] mali 27800000.gpu: pvtm-volt-sel=4
[ 3.427926] debugfs: Directory '27800000.gpu-mali' with parent
'vdd_gpu_s0' already present!
[ 3.428844] mali 27800000.gpu: avs=0
[ 3.428872] W : [File] :
drivers/gpu/arm/bifrost/platform/rk/mali_kbase_config_rk.c; [Line] : 144;
[Func] : kbase_platform_rk_init(); power-off-delay-ms not available.
[ 3.429489] rkCIF rkCIF-mipi-lvds: clear unready subdev num: 2
[ 3.429760] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[0] get
remote terminal sensor failed!
[ 3.429771] rkCIF-mipi-lvds: Async subdev notifier completed
[ 3.429781] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[0] get
remote terminal sensor failed!
[ 3.429781] mali 27800000.gpu: Register LUT 00070200 initialized for
GPU arch 0x00070400
[ 3.429790] rkCIF-mipi-lvds: There is not terminal subdev, not
synchronized with ISP

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[ 3.429797] rkCIF rkCIF-mipi-lvds1: clear unready subdev num: 1
[ 3.429802] mali 27800000.gpu: GPU identified as 0x2 arch 7.4.0 r1p0
status 0
[ 3.429953] mali 27800000.gpu: No priority control manager is
configured
[ 3.429963] mali 27800000.gpu: Large page allocation set to false
after hardware feature check
[ 3.430240] rkCIF-mipi-lvds1: Async subdev notifier completed
[ 3.430299] mali 27800000.gpu: No memory group manager is configured
[ 3.430385] rkISP-vir1: Async subdev notifier completed
[ 3.430516] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[0] get
remote terminal sensor failed!
[ 3.430527] rkCIF-mipi-lvds: There is not terminal subdev, not
synchronized with ISP
[ 3.430971] RKNPU 27700000.npu: Adding to iommu group 0
[ 3.431107] RKNPU 27700000.npu: RKNPU: rknpu iommu is enabled, using
iommu mode
[ 3.431153] mali 27800000.gpu: EM: OPP:500000 is inefficient
[ 3.431160] mali 27800000.gpu: EM: OPP:300000 is inefficient
[ 3.431282] mali 27800000.gpu: EM: created perf domain
[ 3.431294] RKNPU 27700000.npu: can't request region for resource [mem
0x27700000-0x27707fff]
[ 3.431316] RKNPU 27700000.npu: can't request region for resource [mem
0x27708000-0x2770ffff]
[ 3.431599] [drm] Initialized rknpu 0.9.7 20240424 for 27700000.npu on
minor 1
[ 3.431622] mali 27800000.gpu: l=15000 h=2147483647 hyst=5000
l_limit=0 h_limit=0 h_table=0
[ 3.433274] mali 27800000.gpu: * MALI kbase_mmap_min_addr compiled to
CONFIG_DEFAULT_MMAP_MIN_ADDR, no runtime update possible! *
[ 3.433290] mali 27800000.gpu: Probed as mali0
[ 3.433566] RKNPU 27700000.npu: bin=0
[ 3.433799] RKNPU 27700000.npu: leakage=4
[ 3.433840] debugfs: Directory '27700000.npu-rknpu' with parent
'vdd_npu_s0' already present!
[ 3.435624] RKNPU 27700000.npu: pvtm=822
[ 3.436153] RKNPU 27700000.npu: pvtm-volt-sel=6
[ 3.436197] debugfs: Directory '27700000.npu-rknpu' with parent
'vdd_npu_s0' already present!
[ 3.436956] RKNPU 27700000.npu: avs=0
[ 3.437052] RKNPU 27700000.npu: EM: OPP:600000 is inefficient
[ 3.437057] RKNPU 27700000.npu: EM: OPP:500000 is inefficient
[ 3.437060] RKNPU 27700000.npu: EM: OPP:400000 is inefficient
[ 3.437145] RKNPU 27700000.npu: EM: created perf domain
[ 3.437364] RKNPU 27700000.npu: l=15000 h=2147483647 hyst=5000
l_limit=0 h_limit=0 h_table=0
[ 3.438641] RKNPU 27700000.npu: RKNPU: nbuf region:
[0x000000003fe80000, 0x000000003ff80000), nbuf size: 0x100000
[ 3.440076] cfg80211: Loading compiled-in X.509 certificates for
regulatory database
[ 3.441881] cfg80211: Loaded X.509 cert 'sforshee: 00b28ddf47aef9cea7'
[ 3.442215] cfg80211: Loaded X.509 cert 'wens:
61c038651aabdcf94bd0ac7ff06c7248db18c600'
[ 3.442888] rockchip-pm rockchip-suspend: not set pwm-regulator-config

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[ 3.443380] rockchip-suspend not set sleep-mode-config for mem-lite
[ 3.443390] rockchip-suspend not set wakeup-config for mem-lite
[ 3.443397] rockchip-suspend not set sleep-mode-config for mem-ultra
[ 3.443402] rockchip-suspend not set wakeup-config for mem-ultra
[ 3.444007] I : [File] :
drivers/gpu/arm/mali400/mali/linux/mali_kernel_linux.c; [Line] : 407;
[Func] : mali_module_init(); svn_rev_string_from_arm of this mali_ko is
'', rk_ko_ver is '5', built at '17:54:45', on 'Mar 11 2025'.
[ 3.444293] Mali:
[ 3.444295] Mali device driver loaded
[ 3.444307] rkisp rkisp-vir0: clear unready subdev num: 1
[ 3.444415] platform regulatory.0: Direct firmware load for
regulatory.db failed with error -2
[ 3.444425] cfg80211: failed to load regulatory.db
[ 3.444541] rkisp-vir0: Async subdev notifier completed
[ 3.444551] rkisp rkisp-vir1: clear unready subdev num: 0
[ 3.444560] ALSA device list:
[ 3.444565] #0: rockchip-es8388
[ 3.444571] #1: rockchip-dp0
[ 3.444575] #2: rockchip-hdmi
[ 3.488226] usb 1-1: new high-speed USB device number 2 using xhci-hcd
[ 3.564212] mmc_host mmc2: Bus speed (slot 0) = 400000Hz (slot req
400000Hz, actual 400000HZ div = 0)
[ 3.636768] usb 1-1: New USB device found, idVendor=1a86,
idProduct=8091, bcdDevice=12.20
[ 3.636799] usb 1-1: New USB device strings: Mfr=0, Product=2,
SerialNumber=0
[ 3.636808] usb 1-1: Product: USB HUB
[ 3.659318] EXT4-fs (mmcblk0p6): recovery complete
[ 3.659840] EXT4-fs (mmcblk0p6): mounted filesystem with ordered data
mode. Quota mode: disabled.
[ 3.659874] VFS: Mounted root (ext4 filesystem) on device 179:6.
[ 3.660328] devtmpfs: mounted
[ 3.663206] Freeing unused kernel memory: 7744K
[ 3.663313] Run /sbin/init as init process
[ 3.663320] with arguments:
[ 3.663322] /sbin/init
[ 3.663325] #x-03/11/2025
[ 3.663328] with environment:
[ 3.663330] HOME=/
[ 3.663332] TERM=linux
[ 3.663334] storagemedia=emmc
[ 3.683727] hub 1-1:1.0: USB hub found
[ 3.683877] hub 1-1:1.0: 4 ports detected
[ 3.784560] systemd[1]: Failed to find module 'autofs4'
[ 4.040184] usb 1-1.3: new low-speed USB device number 3 using xhci-
hcd
[ 4.144241] usb 1-1.3: New USB device found, idVendor=10c4,
idProduct=8108, bcdDevice= 0.00
[ 4.144286] usb 1-1.3: New USB device strings: Mfr=1, Product=2,
SerialNumber=0
[ 4.144296] usb 1-1.3: Product: USB OPTICAL MOUSE
[ 4.144304] usb 1-1.3: Manufacturer: YSPRINGTECH
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[ 4.199352] input: YSPRINGTECH USB OPTICAL MOUSE as
/devices/platform/23400000.usb/xhci-hcd.1.auto/usb1/1-1/1-1.3/1-
1.3:1.0/0003:10C4:8108.0001/input/input6
[ 4.256969] hid-generic 0003:10C4:8108.0001: input,hidraw0: USB HID
v1.11 Mouse [YSPRINGTECH USB OPTICAL MOUSE] on usb-xhci-hcd.1.auto-
1.3/input0
[ 4.336178] usb 1-1.4: new low-speed USB device number 4 using xhci-
hcd
[ 4.358363] aic8800_bsp: loading out-of-tree module taints kernel.
[ 4.367372] aicbsp_init
[ 4.367401] RELEASE_DATE:2024_0615_c3cb37b3
[ 4.367407] aicbsp_resv_mem_init
[ 4.368300] aicbsp: aicbsp_set_subsys, subsys: AIC_BLUETOOTH, state
to: 1
[ 4.368319] aicbsp: aicbsp_set_subsys, power state change to 1 dure to
AIC_BLUETOOTH
[ 4.368326] aicbsp: aicbsp_platform_power_on
[ 4.368331] [WLAN_RFKILL]: rockchip_wifi_power: 0
[ 4.368337] [WLAN_RFKILL]: rockchip_wifi_power: rfkill-wlan driver has
not Successful initialized
[ 4.418361] [WLAN_RFKILL]: rockchip_wifi_power: 1
[ 4.418384] [WLAN_RFKILL]: rockchip_wifi_power: rfkill-wlan driver has
not Successful initialized
[ 4.441827] usb 1-1.4: New USB device found, idVendor=1a2c,
idProduct=6004, bcdDevice= 1.10
[ 4.441866] usb 1-1.4: New USB device strings: Mfr=1, Product=2,
SerialNumber=0
[ 4.441876] usb 1-1.4: Product: USB Keyboard
[ 4.441883] usb 1-1.4: Manufacturer: SEMICO
[ 4.468402] mmc1:mmc host rescan start!
[ 4.472468] EXT4-fs (mmcblk0p6): re-mounted. Quota mode: disabled.
[ 4.496824] systemd-journald[313]: Received client request to flush
runtime journal.
[ 4.501358] systemd-journald[313]: File
/var/log/journal/6a2c547ffcf84b57ae132bb252268a10/system.journal
corrupted or uncleanly shut down, renaming and replacing.
[ 4.519342] input: SEMICO USB Keyboard as
/devices/platform/23400000.usb/xhci-hcd.1.auto/usb1/1-1/1-1.4/1-
1.4:1.0/0003:1A2C:6004.0002/input/input7
[ 4.576821] hid-generic 0003:1A2C:6004.0002: input,hidraw1: USB HID
v1.10 Keyboard [SEMICO USB Keyboard] on usb-xhci-hcd.1.auto-1.4/input0
[ 4.580486] input: SEMICO USB Keyboard Consumer Control as
/devices/platform/23400000.usb/xhci-hcd.1.auto/usb1/1-1/1-1.4/1-
1.4:1.1/0003:1A2C:6004.0003/input/input8
[ 4.595293] mmc_host mmc1: Bus speed (slot 0) = 198000000Hz (slot req
200000000Hz, actual 198000000HZ div = 0)
[ 4.595317] dwmmc_rockchip 2a320000.mmc: Successfully tuned phase to 0
[ 4.597293] mmc1: new ultra high speed SDR104 SDIO card at address
390b
[ 4.615206] aicbsp: aicbsp_sdio_probe:1 vid:0xC8A1 did:0x0082
[ 4.615750] aicbsp: aicbsp_sdio_probe:2 vid:0xC8A1 did:0x0182
[ 4.615769] aicbsp: aicbsp_sdio_probe after replace:1
[ 4.615778] aicbsp: aicbsp_get_feature, set FEATURE_SDIO_CLOCK 150 MHz
[ 4.615784] aicbsp: aicwf_sdio_reg_init
```

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[ 4.619318] rwnx_load_firmware :firmware path =
/vendor/etc/firmware/fw_patch_table_8800d80_u02.bin
[ 4.620794] file md5:d973f2c2d449aade3679e1401f016b1a
[ 4.620938] rwnx_plat_bin_fw_upload_android
[ 4.620946] rwnx_load_firmware :firmware path =
/vendor/etc/firmware/fw_adid_8800d80_u02.bin
[ 4.621375] file md5:f546881a81b960d89a672578eb45a809
[ 4.622516] rwnx_plat_bin_fw_upload_android
[ 4.622531] rwnx_load_firmware :firmware path =
/vendor/etc/firmware/fw_patch_8800d80_u02.bin
[ 4.623755] file md5:60a220329bf26ab7ebfebee4f807708a
[ 4.640461] input: SEMICO USB Keyboard System Control as
/devices/platform/23400000.usb/xhci-hcd.1.auto/usb1/1-1/1-1.4/1-
1.4:1.1/0003:1A2C:6004.0003/input/input9
[ 4.640785] hid-generic 0003:1A2C:6004.0003: input,hidraw2: USB HID
v1.10 Device [SEMICO USB Keyboard] on usb-xhci-hcd.1.auto-1.4/input1
[ 4.713916] rk_gmac-dwmac 2a220000.ethernet end0: renamed from eth0
[ 4.719744] rk_gmac-dwmac 2a230000.ethernet end1: renamed from eth1
[ 4.895868] imx415 4-0037: set hdr cfg, set mode to 0
[ 4.895903] imx415 4-0037: set fmt: cur_mode: 3864x2192, hdr: 0, bpp:
10
[ 4.901133] imx415 4-0037: set exposure(shr0) 2047 = cur_vts(2250) -
val(203)
[ 4.917100] rkisp rkisp-vir1: first params buf queue
[ 5.056992] phy phy-2602e000.syscon:usb2-phy@0.0: illegal mode
[ 5.057028] xhci-hcd xhci-hcd.10.auto: xHCI Host Controller
[ 5.057230] xhci-hcd xhci-hcd.10.auto: new USB bus registered,
assigned bus number 3
[ 5.057361] xhci-hcd xhci-hcd.10.auto: hcc params 0x0220fe64 hci
version 0x110 quirks 0x0000800002010010
[ 5.057404] xhci-hcd xhci-hcd.10.auto: irq 107, io mem 0x23000000
[ 5.057508] xhci-hcd xhci-hcd.10.auto: xHCI Host Controller
[ 5.057686] xhci-hcd xhci-hcd.10.auto: new USB bus registered,
assigned bus number 4
[ 5.057711] xhci-hcd xhci-hcd.10.auto: Host supports USB 3.0
SuperSpeed
[ 5.057808] usb usb3: New USB device found, idVendor=1d6b,
idProduct=0002, bcdDevice= 6.01
[ 5.057821] usb usb3: New USB device strings: Mfr=3, Product=2,
SerialNumber=1
[ 5.057827] usb usb3: Product: xHCI Host Controller
[ 5.057834] usb usb3: Manufacturer: Linux 6.1.75 xhci-hcd
[ 5.057839] usb usb3: SerialNumber: xhci-hcd.10.auto
[ 5.137410] hub 3-0:1.0: USB hub found
[ 5.137465] hub 3-0:1.0: 1 port detected
[ 5.141013] usb usb4: We don't know the algorithms for LPM for this
host, disabling LPM.
[ 5.141087] usb usb4: New USB device found, idVendor=1d6b,
idProduct=0003, bcdDevice= 6.01
[ 5.141098] usb usb4: New USB device strings: Mfr=3, Product=2,
SerialNumber=1
[ 5.141105] usb usb4: Product: xHCI Host Controller
[ 5.141111] usb usb4: Manufacturer: Linux 6.1.75 xhci-hcd
[ 5.141118] usb usb4: SerialNumber: xhci-hcd.10.auto

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[ 5.181131] file system registered
[ 5.181922] hub 4-0:1.0: USB hub found
[ 5.181964] hub 4-0:1.0: 1 port detected
[ 5.274744] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[1] get
remote terminal sensor failed!
[ 5.274800] stream_cif_mipi_id1: update sensor info failed -19
[ 5.276094] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[0] get
remote terminal sensor failed!
[ 5.276159] stream_cif_mipi_id0: update sensor info failed -19
[ 5.277924] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[1] get
remote terminal sensor failed!
[ 5.277975] rkCIF_scale_ch1: update sensor info failed -19
[ 5.285560] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[2] get
remote terminal sensor failed!
[ 5.285598] rkCIF_scale_ch2: update sensor info failed -19
[ 5.286163] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[2] get
remote terminal sensor failed!
[ 5.286186] stream_cif_mipi_id2: update sensor info failed -19
[ 5.289084] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[1] get
remote terminal sensor failed!
[ 5.289118] rkCIF_tools_id1: update sensor info failed -19
[ 5.290169] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[2] get
remote terminal sensor failed!
[ 5.290198] rkCIF_tools_id2: update sensor info failed -19
[ 5.291661] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[3] get
remote terminal sensor failed!
[ 5.291694] stream_cif_mipi_id3: update sensor info failed -19
[ 5.292992] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[3] get
remote terminal sensor failed!
[ 5.293028] rkCIF_scale_ch3: update sensor info failed -19
[ 5.294557] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[0] get
remote terminal sensor failed!
[ 5.294596] rkCIF_tools_id0: update sensor info failed -19
[ 5.305184] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[0] get
remote terminal sensor failed!
[ 5.305226] rkCIF_scale_ch0: update sensor info failed -19
[ 5.354163] read descriptors
[ 5.354192] read strings
[ 5.368503] aicbt_patch_table_load bt btmode[3]:5
[ 5.368549] aicbt_patch_table_load bt uart_baud[3]:1500000
[ 5.368556] aicbt_patch_table_load bt uart_flowctrl[3]:1
[ 5.368563] aicbt_patch_table_load bt lpm_enable[3]:0
[ 5.368569] aicbt_patch_table_load bt tx_pwr[3]:28463
[ 5.373047] aicbSP: bt patch version: - Apr 29 2024 15:51:03 - git
a3b83af
[ 5.373171] rwnx_plat_bin_fw_upload_android
[ 5.373183] rwnx_load_firmware :firmware path =
/vendor/etc/firmware/fmacfw_8800d80_u02.bin
[ 5.377912] file md5:3682254d368c89efaa92f122b34233df
[ 5.448109] rd_version_val=06090101
[ 5.460172] rk-pcie 2a200000.pcie: PCIe Link Fail, LTSSM is 0x3,
hw_retries=0
[ 5.496144] aicbSP: sdio_err:<aicwf_sdio_bus_pwrctl,1402>: bus down
[ 5.652461] [BT_RFKILL]: rfkill_rk_set_power: set bt wake_host high!
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[ 5.680167] [BT_RFKILL]: rfkill_rk_set_power: set bt wake_host input!
[ 5.680239] [BT_RFKILL]: ENABLE UART_RTS
[ 5.788158] [BT_RFKILL]: DISABLE UART_RTS
[ 5.788231] [BT_RFKILL]: bt turn on power
[ 5.788302] [BT_RFKILL]: Request irq for bt wakeup host
[ 5.788563] [BT_RFKILL]: ** disable irq
[ 5.904581] aicbsp: aicbsp_set_subsys, subsys: AIC_WIFI, state to: 1
[ 5.904617] aicbsp: aicbsp_set_subsys, power state no need to change,
current: 1
[ 5.904839] aicbsp: aicbsp_get_feature, set FEATURE_SDIO_CLOCK 150 MHz
[ 5.904871] aicwdio: aicwf_sdio_reg_init
[ 5.910048] aicbsp: aicbsp_resv_mem_alloc_skb, alloc resv_mem_txdata
succuss, id: 0, size: 98304
[ 5.913841] aicbsp: aicbsp_get_feature, set FEATURE_SDIO_CLOCK 150 MHz
[ 5.914073] tcp_ack_init
[ 6.038235] rk_gmac-dwmac 2a220000.ethernet end0: Register
MEM_TYPE_PAGE_POOL RxQ-0
[ 6.047063] rk_gmac-dwmac 2a220000.ethernet end0: PHY [stmmac-0:00]
driver [MAE0621A/B-Q3C(I) Gigabit Ethernet] (irq=POLL)
[ 6.047616] dwmac4: Master AXI performs any burst length
[ 6.047637] rk_gmac-dwmac 2a220000.ethernet end0: No Safety Features
support found
[ 6.047662] rk_gmac-dwmac 2a220000.ethernet end0: IEEE 1588-2008
Advanced Timestamp supported
[ 6.047934] rk_gmac-dwmac 2a220000.ethernet end0: registered PTP clock
[ 6.048647] rk_gmac-dwmac 2a220000.ethernet end0: FPE workqueue start
[ 6.048674] rk_gmac-dwmac 2a220000.ethernet end0: configuring for
phy/rgmii-rxid link mode
[ 6.069646] rk_gmac-dwmac 2a230000.ethernet end1: Register
MEM_TYPE_PAGE_POOL RxQ-0
[ 6.078182] rk_gmac-dwmac 2a230000.ethernet end1: PHY [stmmac-1:00]
driver [MAE0621A/B-Q3C(I) Gigabit Ethernet] (irq=POLL)
[ 6.078729] dwmac4: Master AXI performs any burst length
[ 6.078749] rk_gmac-dwmac 2a230000.ethernet end1: No Safety Features
support found
[ 6.078775] rk_gmac-dwmac 2a230000.ethernet end1: IEEE 1588-2008
Advanced Timestamp supported
[ 6.079008] rk_gmac-dwmac 2a230000.ethernet end1: registered PTP clock
[ 6.079427] rk_gmac-dwmac 2a230000.ethernet end1: FPE workqueue start
[ 6.079448] rk_gmac-dwmac 2a230000.ethernet end1: configuring for
phy/rgmii-rxid link mode
[ 6.565745] ttyFIQ ttyFIQ0: tty_port_close_start: tty->count = 1 port
count = 2
[ 6.821180] ieee80211 phy0: HT supp 1, VHT supp 1, HE supp 1
[ 6.822272] ieee80211 phy0:
*****
** CAUTION: USING PERMISSIVE CUSTOM REGULATORY RULES **
*****
[ 6.948004] rwnx_virtual_interface_add: 10, p2p-dev-wlan0
[ 6.948026] rwnx_virtual_interface_add, ifname=p2p-dev-wlan0,
wdev=00000000eccb8d7c, vif_idx=1
[ 6.948034] p2p dev addr=44 37 b 72 3c 26
[ 6.948530] aic_bluetooth_mod_init
[ 6.949089] -->rfkill_bluetooth_init

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[ 6.949238] <--rfkill_bluetooth_init
[ 6.953828] bluetooth_set_power: start_block=0
[ 6.953851] aicbsp: aicbsp_set_subsys, subsys: AIC_BLUETOOTH, state
to: 1
[ 6.953857] aicbsp: aicbsp_set_subsys, power state no need to change,
current: 1
[ 6.953863] bluetooth_set_power: end_block=0
[ 6.959270] P2P interface started
[ 6.977274] [BT_RFKILL]: bt shut off power
[ 7.004235] bluetooth_set_power: start_block=1
[ 7.004254] aicbsp: aicbsp_set_subsys, subsys: AIC_BLUETOOTH, state
to: 0
[ 7.004261] aicbsp: aicbsp_set_subsys, power state no need to change,
current: 1
[ 7.004267] bluetooth_set_power: end_block=1
[ 7.127834] dwhdmi-rockchip 27da0000.hdmi: use tmds mode
[ 7.134831] dwhdmi-rockchip 27da0000.hdmi: use tmds mode
[ 7.151489] dwhdmi-rockchip 27da0000.hdmi: use tmds mode
[ 7.168150] dwhdmi-rockchip 27da0000.hdmi: use tmds mode
[ 7.184817] dwhdmi-rockchip 27da0000.hdmi: use tmds mode
[ 7.201477] dwhdmi-rockchip 27da0000.hdmi: use tmds mode
[ 7.218146] dwhdmi-rockchip 27da0000.hdmi: use tmds mode
[ 7.234812] dwhdmi-rockchip 27da0000.hdmi: use tmds mode
[ 7.251484] dwhdmi-rockchip 27da0000.hdmi: use tmds mode
[ 7.268178] dwhdmi-rockchip 27da0000.hdmi: use tmds mode
[ 7.284828] dwhdmi-rockchip 27da0000.hdmi: use tmds mode
[ 7.301479] dwhdmi-rockchip 27da0000.hdmi: use tmds mode
[ 7.318146] dwhdmi-rockchip 27da0000.hdmi: use tmds mode
[ 7.334811] dwhdmi-rockchip 27da0000.hdmi: use tmds mode
[ 7.351508] dwhdmi-rockchip 27da0000.hdmi: use tmds mode
[ 7.368171] dwhdmi-rockchip 27da0000.hdmi: use tmds mode
[ 7.384840] dwhdmi-rockchip 27da0000.hdmi: use tmds mode
[ 7.508916] [BT_RFKILL]: rfkill_rk_set_power: set bt wake_host high!
[ 7.568080] [BT_RFKILL]: rfkill_rk_set_power: set bt wake_host input!
[ 7.568112] [BT_RFKILL]: ENABLE UART_RTS
[ 7.672106] rk_pcie_establish_link: 125 callbacks suppressed
[ 7.672122] rk-pcie 2a200000.pcie: PCIe Linking... LTSSM is 0x3
[ 7.676204] [BT_RFKILL]: DISABLE UART_RTS
[ 7.676250] [BT_RFKILL]: bt turn on power
[ 7.676372] [BT_RFKILL]: Request irq for bt wakeup host
[ 7.676796] [BT_RFKILL]: ** disable irq
[ 7.676890] bluetooth_set_power: start_block=0
[ 7.676898] aicbsp: aicbsp_set_subsys, subsys: AIC_BLUETOOTH, state
to: 1
[ 7.676904] aicbsp: aicbsp_set_subsys, power state no need to change,
current: 1
[ 7.676909] bluetooth_set_power: end_block=0
[ 7.700110] rk-pcie 2a200000.pcie: PCIe Linking... LTSSM is 0x3
[ 7.728089] rk-pcie 2a200000.pcie: PCIe Linking... LTSSM is 0x3
[ 7.756069] rk-pcie 2a200000.pcie: PCIe Linking... LTSSM is 0x3
[ 7.784073] rk-pcie 2a200000.pcie: PCIe Linking... LTSSM is 0x3
[ 7.812091] rk-pcie 2a200000.pcie: PCIe Linking... LTSSM is 0x3
[ 7.840095] rk-pcie 2a200000.pcie: PCIe Linking... LTSSM is 0x3
[ 7.868082] rk-pcie 2a200000.pcie: PCIe Linking... LTSSM is 0x3

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[ 7.896094] rk-pcie 2a200000.pcie: PCIe Linking... LTSSM is 0x3
[ 7.924070] rk-pcie 2a200000.pcie: PCIe Linking... LTSSM is 0x3
[ 8.187147] of_dma_request_slave_channel: dma-names property of node
'/serial@2ad70000' missing or empty
[ 8.187189] dw-apb-uart 2ad70000.serial: failed to request DMA, use
interrupt mode
[ 8.293204] Bluetooth: MGMT ver 1.22
[ 8.538428] dwhdmi-rockchip 27da0000.hdmi: use tmds mode
[ 8.595184] dwhdmi-rockchip 27da0000.hdmi: use tmds mode
[ 8.618152] dwhdmi-rockchip 27da0000.hdmi: use tmds mode
[ 9.508114] rk-pcie 2a200000.pcie: PCIe Link Fail, LTSSM is 0x3,
hw_retries=1
[ 9.599405] hdmi-audio-codec hdmi-audio-codec.6.auto: Not able to map
channels to speakers (-22)
[ 9.599430] hdmi-audio-codec hdmi-audio-codec.6.auto: ASoC: error at
snd_soc_dai_hw_params on i2s-hifi: -22
[ 9.599445] rockchip-hdmi: ASoC: error at __soc_pcm_hw_params on
rockchip-hdmi: -22
[ 9.599481] hdmi-audio-codec hdmi-audio-codec.6.auto: Not able to map
channels to speakers (-22)
[ 9.599488] hdmi-audio-codec hdmi-audio-codec.6.auto: ASoC: error at
snd_soc_dai_hw_params on i2s-hifi: -22
[ 9.599497] rockchip-hdmi: ASoC: error at __soc_pcm_hw_params on
rockchip-hdmi: -22
[ 9.599532] hdmi-audio-codec hdmi-audio-codec.6.auto: Not able to map
channels to speakers (-22)
[ 9.599539] hdmi-audio-codec hdmi-audio-codec.6.auto: ASoC: error at
snd_soc_dai_hw_params on i2s-hifi: -22
[ 9.599547] rockchip-hdmi: ASoC: error at __soc_pcm_hw_params on
rockchip-hdmi: -22
[ 9.599577] hdmi-audio-codec hdmi-audio-codec.6.auto: Not able to map
channels to speakers (-22)
[ 9.599584] hdmi-audio-codec hdmi-audio-codec.6.auto: ASoC: error at
snd_soc_dai_hw_params on i2s-hifi: -22
[ 9.599592] rockchip-hdmi: ASoC: error at __soc_pcm_hw_params on
rockchip-hdmi: -22
[ 9.599625] hdmi-audio-codec hdmi-audio-codec.6.auto: Not able to map
channels to speakers (-22)
[ 9.599632] hdmi-audio-codec hdmi-audio-codec.6.auto: ASoC: error at
snd_soc_dai_hw_params on i2s-hifi: -22
[ 9.599640] rockchip-hdmi: ASoC: error at __soc_pcm_hw_params on
rockchip-hdmi: -22
[ 9.599939] hdmi-audio-codec hdmi-audio-codec.6.auto: Not able to map
channels to speakers (-22)
[ 9.599954] hdmi-audio-codec hdmi-audio-codec.6.auto: ASoC: error at
snd_soc_dai_hw_params on i2s-hifi: -22
[ 9.599966] rockchip-hdmi: ASoC: error at __soc_pcm_hw_params on
rockchip-hdmi: -22
[ 9.600005] hdmi-audio-codec hdmi-audio-codec.6.auto: Not able to map
channels to speakers (-22)
[ 9.600012] hdmi-audio-codec hdmi-audio-codec.6.auto: ASoC: error at
snd_soc_dai_hw_params on i2s-hifi: -22
[ 9.600020] rockchip-hdmi: ASoC: error at __soc_pcm_hw_params on
rockchip-hdmi: -22
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[ 9.600054] hdmi-audio-codec hdmi-audio-codec.6.auto: Not able to map
channels to speakers (-22)
[ 9.600061] hdmi-audio-codec hdmi-audio-codec.6.auto: ASoC: error at
snd_soc_dai_hw_params on i2s-hifi: -22
[ 9.600069] rockchip-hdmi: ASoC: error at __soc_pcm_hw_params on
rockchip-hdmi: -22
[ 9.600100] hdmi-audio-codec hdmi-audio-codec.6.auto: Not able to map
channels to speakers (-22)
[ 9.600107] hdmi-audio-codec hdmi-audio-codec.6.auto: ASoC: error at
snd_soc_dai_hw_params on i2s-hifi: -22
[ 9.600114] rockchip-hdmi: ASoC: error at __soc_pcm_hw_params on
rockchip-hdmi: -22
[ 9.600147] hdmi-audio-codec hdmi-audio-codec.6.auto: Not able to map
channels to speakers (-22)
[ 9.600153] hdmi-audio-codec hdmi-audio-codec.6.auto: ASoC: error at
snd_soc_dai_hw_params on i2s-hifi: -22
[ 9.600161] rockchip-hdmi: ASoC: error at __soc_pcm_hw_params on
rockchip-hdmi: -22
[ 9.600735] hdmi-audio-codec hdmi-audio-codec.6.auto: Not able to map
channels to speakers (-22)
[ 9.600750] hdmi-audio-codec hdmi-audio-codec.6.auto: ASoC: error at
snd_soc_dai_hw_params on i2s-hifi: -22
[ 9.600763] rockchip-hdmi: ASoC: error at __soc_pcm_hw_params on
rockchip-hdmi: -22
[ 9.600873] hdmi-audio-codec hdmi-audio-codec.6.auto: Not able to map
channels to speakers (-22)
[ 9.600880] hdmi-audio-codec hdmi-audio-codec.6.auto: ASoC: error at
snd_soc_dai_hw_params on i2s-hifi: -22
[ 9.600888] rockchip-hdmi: ASoC: error at __soc_pcm_hw_params on
rockchip-hdmi: -22
[ 9.600997] hdmi-audio-codec hdmi-audio-codec.6.auto: Not able to map
channels to speakers (-22)
[ 9.601004] hdmi-audio-codec hdmi-audio-codec.6.auto: ASoC: error at
snd_soc_dai_hw_params on i2s-hifi: -22
[ 9.601012] rockchip-hdmi: ASoC: error at __soc_pcm_hw_params on
rockchip-hdmi: -22
[ 9.601115] hdmi-audio-codec hdmi-audio-codec.6.auto: Not able to map
channels to speakers (-22)
[ 9.601123] hdmi-audio-codec hdmi-audio-codec.6.auto: ASoC: error at
snd_soc_dai_hw_params on i2s-hifi: -22
[ 9.601131] rockchip-hdmi: ASoC: error at __soc_pcm_hw_params on
rockchip-hdmi: -22
[ 9.601238] hdmi-audio-codec hdmi-audio-codec.6.auto: Not able to map
channels to speakers (-22)
[ 9.601245] hdmi-audio-codec hdmi-audio-codec.6.auto: ASoC: error at
snd_soc_dai_hw_params on i2s-hifi: -22
[ 9.601253] rockchip-hdmi: ASoC: error at __soc_pcm_hw_params on
rockchip-hdmi: -22
[ 9.601936] hdmi-audio-codec hdmi-audio-codec.6.auto: Not able to map
channels to speakers (-22)
[ 9.601950] hdmi-audio-codec hdmi-audio-codec.6.auto: ASoC: error at
snd_soc_dai_hw_params on i2s-hifi: -22
[ 9.601963] rockchip-hdmi: ASoC: error at __soc_pcm_hw_params on
rockchip-hdmi: -22
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[ 9.602098] hdmi-audio-codec hdmi-audio-codec.6.auto: Not able to map
channels to speakers (-22)
[ 9.602105] hdmi-audio-codec hdmi-audio-codec.6.auto: ASoC: error at
snd_soc_dai_hw_params on i2s-hifi: -22
[ 9.602114] rockchip-hdmi: ASoC: error at __soc_pcm_hw_params on
rockchip-hdmi: -22
[ 9.602246] hdmi-audio-codec hdmi-audio-codec.6.auto: Not able to map
channels to speakers (-22)
[ 9.602254] hdmi-audio-codec hdmi-audio-codec.6.auto: ASoC: error at
snd_soc_dai_hw_params on i2s-hifi: -22
[ 9.602262] rockchip-hdmi: ASoC: error at __soc_pcm_hw_params on
rockchip-hdmi: -22
[ 9.602393] hdmi-audio-codec hdmi-audio-codec.6.auto: Not able to map
channels to speakers (-22)
[ 9.602400] hdmi-audio-codec hdmi-audio-codec.6.auto: ASoC: error at
snd_soc_dai_hw_params on i2s-hifi: -22
[ 9.602408] rockchip-hdmi: ASoC: error at __soc_pcm_hw_params on
rockchip-hdmi: -22
[ 9.602541] hdmi-audio-codec hdmi-audio-codec.6.auto: Not able to map
channels to speakers (-22)
[ 9.602549] hdmi-audio-codec hdmi-audio-codec.6.auto: ASoC: error at
snd_soc_dai_hw_params on i2s-hifi: -22
[ 9.602558] rockchip-hdmi: ASoC: error at __soc_pcm_hw_params on
rockchip-hdmi: -22
[ 9.607867] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[0] get
remote terminal sensor failed!
[ 9.607888] stream_cif_mipi_id0: update sensor info failed -19
[ 9.608089] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[1] get
remote terminal sensor failed!
[ 9.608103] stream_cif_mipi_id1: update sensor info failed -19
[ 9.608188] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[2] get
remote terminal sensor failed!
[ 9.608198] rkCIF_tools_id2: update sensor info failed -19
[ 9.608279] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[2] get
remote terminal sensor failed!
[ 9.608288] stream_cif_mipi_id2: update sensor info failed -19
[ 9.608351] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[3] get
remote terminal sensor failed!
[ 9.608359] stream_cif_mipi_id3: update sensor info failed -19
[ 9.608420] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[0] get
remote terminal sensor failed!
[ 9.608427] rkCIF_scale_ch0: update sensor info failed -19
[ 9.608499] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[1] get
remote terminal sensor failed!
[ 9.608508] rkCIF_scale_ch1: update sensor info failed -19
[ 9.608583] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[2] get
remote terminal sensor failed!
[ 9.608593] rkCIF_scale_ch2: update sensor info failed -19
[ 9.608662] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[3] get
remote terminal sensor failed!
[ 9.608669] rkCIF_scale_ch3: update sensor info failed -19
[ 9.608737] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[0] get
remote terminal sensor failed!
[ 9.608744] rkCIF_tools_id0: update sensor info failed -19
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[ 9.608811] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[1] get
remote terminal sensor failed!
[ 9.608818] rkCIF_tools_id1: update sensor info failed -19
[ 9.704194] Freeing drm_logo memory: 1384K
[ 10.535883] rk-pcie 2a200000.pcie: failed to initialize host
[ 12.714152] panel-simple-dsi 27d80000.dsi.0:
drivers/gpu/drm/panel/panel-simple.c: panel_simple_regulator_disable:
waveshare backlight [i2c err]
[ 12.714174] panel-simple-dsi 27d80000.dsi.0:
drivers/gpu/drm/panel/panel-simple.c: panel_simple_regulator_disable:
[waveshare]
[ 12.724382] rockchip-vop2 27d00000.vop: [drm:vop2_crtc_atomic_disable]
Crtc atomic disable vpl
[ 12.814289] dwhdmi-rockchip 27da0000.hdmi: use tmds mode
[ 12.834888] dwhdmi-rockchip 27da0000.hdmi: use tmds mode
[ 12.901360] rockchip-vop2 27d00000.vop: [drm:vop2_crtc_atomic_enable]
Update mode to 800x1280p60, type: 16(if:MIPI0, flag:0x0) for vpl dclk:
69883000
[ 12.901418] rockchip-vop2 27d00000.vop: [drm:vop2_crtc_atomic_enable]
set dclk_vpl to 69883000, get 69882353
[ 12.922099] panel-simple-dsi 27d80000.dsi.0:
drivers/gpu/drm/panel/panel-simple.c: panel_simple_regulator_enable:
waveshare backlight [i2c err]
[ 12.922113] panel-simple-dsi 27d80000.dsi.0:
drivers/gpu/drm/panel/panel-simple.c: panel_simple_regulator_enable:
[waveshare]
[ 13.094653] dw-mipi-dsi2 27d80000.dsi:
[drm:dw_mipi_dsi2_encoder_atomic_enable] final DSI-Link bandwidth: 465886
x 4 Kbps
[ 14.852455] dwhdmi-rockchip 27da0000.hdmi: use tmds mode
[ 16.968703] platform mtd_vendor_storage: deferred probe pending
[ 16.968743] platform bt-sound: deferred probe pending
[ 30.811497] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[0] get
remote terminal sensor failed!
[ 30.811517] stream_cif_mipi_id0: update sensor info failed -19
[ 30.811642] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[1] get
remote terminal sensor failed!
[ 30.811650] stream_cif_mipi_id1: update sensor info failed -19
[ 30.811770] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[2] get
remote terminal sensor failed!
[ 30.811777] rkCIF_tools_id2: update sensor info failed -19
[ 30.811896] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[2] get
remote terminal sensor failed!
[ 30.811903] stream_cif_mipi_id2: update sensor info failed -19
[ 30.812022] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[3] get
remote terminal sensor failed!
[ 30.812029] stream_cif_mipi_id3: update sensor info failed -19
[ 30.812145] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[0] get
remote terminal sensor failed!
[ 30.812152] rkCIF_scale_ch0: update sensor info failed -19
[ 30.812268] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[1] get
remote terminal sensor failed!
[ 30.812275] rkCIF_scale_ch1: update sensor info failed -19

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[ 30.812391] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[2] get
remote terminal sensor failed!
[ 30.812398] rkCIF_scale_ch2: update sensor info failed -19
[ 30.812514] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[3] get
remote terminal sensor failed!
[ 30.812521] rkCIF_scale_ch3: update sensor info failed -19
[ 30.812637] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[0] get
remote terminal sensor failed!
[ 30.812644] rkCIF_tools_id0: update sensor info failed -19
[ 30.812761] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[1] get
remote terminal sensor failed!
[ 30.812768] rkCIF_tools_id1: update sensor info failed -19
[ 462.927508] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[0] get
remote terminal sensor failed!
[ 462.927528] stream_cif_mipi_id0: update sensor info failed -19
[ 462.927661] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[1] get
remote terminal sensor failed!
[ 462.927669] stream_cif_mipi_id1: update sensor info failed -19
[ 462.927791] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[2] get
remote terminal sensor failed!
[ 462.927798] rkCIF_tools_id2: update sensor info failed -19
[ 462.927918] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[2] get
remote terminal sensor failed!
[ 462.927925] stream_cif_mipi_id2: update sensor info failed -19
[ 462.928042] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[3] get
remote terminal sensor failed!
[ 462.928049] stream_cif_mipi_id3: update sensor info failed -19
[ 462.928176] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[0] get
remote terminal sensor failed!
[ 462.928185] rkCIF_scale_ch0: update sensor info failed -19
[ 462.928307] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[1] get
remote terminal sensor failed!
[ 462.928314] rkCIF_scale_ch1: update sensor info failed -19
[ 462.928432] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[2] get
remote terminal sensor failed!
[ 462.928439] rkCIF_scale_ch2: update sensor info failed -19
[ 462.928556] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[3] get
remote terminal sensor failed!
[ 462.928563] rkCIF_scale_ch3: update sensor info failed -19
[ 462.928680] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[0] get
remote terminal sensor failed!
[ 462.928686] rkCIF_tools_id0: update sensor info failed -19
[ 462.928802] rkCIF-mipi-lvds: rkCIF_update_sensor_info: stream[1] get
remote terminal sensor failed!
[ 462.928809] rkCIF_tools_id1: update sensor info failed -19
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