ebots@ebots-rp:~$ dmesg

[ 0.000000] Booting Linux on physical CPU 0x0

[ 0.000000] Linux version 4.9.140+ (root@ebots-hung) (gcc version 6.4.1 20170707 (Linaro GCC 6.4-2017.08) ) #4 SMP PREEMPT Thu Jul 11 16:14:16 PDT 2019

[ 0.000000] Boot CPU: AArch64 Processor [4e0f0040]

[ 0.000000] OF: fdt:memory scan node memory, reg size 48,

[ 0.000000] OF: fdt: - 80000000 , 2b000000

[ 0.000000] OF: fdt: - ab200000 , 3da00000

[ 0.000000] OF: fdt: - 100000000 , 380000000

[ 0.000000] earlycon: tegra\_comb\_uart0 at MMIO32 0x000000000c168000 (options '')

[ 0.000000] bootconsole [tegra\_comb\_uart0] enabled

[ 0.000000] Found tegra\_fbmem: 00800000@a0697000

[ 0.000000] Found lut\_mem: 00002008@a0693000

[ 0.000000] Found vpr, start=0xf0000000 size=8000000

[ 0.000000] OF: fdt:Reserved memory: failed to reserve memory for node 'fb1\_carveout': base 0x0000000000000000, size 0 MiB

[ 0.000000] OF: fdt:Reserved memory: failed to reserve memory for node 'fb1\_carveout': base 0x0000000000000000, size 0 MiB

[ 0.000000] OF: fdt:Reserved memory: failed to reserve memory for node 'fb2\_carveout': base 0x0000000000000000, size 0 MiB

[ 0.000000] OF: fdt:Reserved memory: failed to reserve memory for node 'fb2\_carveout': base 0x0000000000000000, size 0 MiB

[ 0.000000] OF: fdt:Reserved memory: failed to reserve memory for node 'fb3\_carveout': base 0x0000000000000000, size 0 MiB

[ 0.000000] OF: fdt:Reserved memory: failed to reserve memory for node 'fb3\_carveout': base 0x0000000000000000, size 0 MiB

[ 0.000000] OF: reserved mem: initialized node ramoops\_carveout, compatible id nvidia,ramoops

[ 0.000000] OF: reserved mem: initialized node grid-of-semaphores, compatible id nvidia,gosmem

[ 0.000000] cma: Reserved 64 MiB at 0x00000000e4800000

[ 0.000000] On node 0 totalpages: 4095997

[ 0.000000] DMA zone: 6656 pages used for memmap

[ 0.000000] DMA zone: 0 pages reserved

[ 0.000000] DMA zone: 425981 pages, LIFO batch:31

[ 0.000000] Normal zone: 57344 pages used for memmap

[ 0.000000] Normal zone: 3670016 pages, LIFO batch:31

[ 0.000000] psci: probing for conduit method from DT.

[ 0.000000] psci: PSCIv1.0 detected in firmware.

[ 0.000000] psci: Using standard PSCI v0.2 function IDs

[ 0.000000] psci: MIGRATE\_INFO\_TYPE not supported.

[ 0.000000] psci: SMC Calling Convention v1.1

[ 0.000000] percpu: Embedded 23 pages/cpu @ffffffc3ffda5000 s53400 r8192 d32616 u94208

[ 0.000000] pcpu-alloc: s53400 r8192 d32616 u94208 alloc=23\*4096

[ 0.000000] pcpu-alloc: [0] 0 [0] 1 [0] 2 [0] 3 [0] 4 [0] 5 [0] 6 [0] 7

[ 0.000000] Speculative Store Bypass Disable mitigation not required

[ 0.000000] Built 1 zonelists in Zone order, mobility grouping on. Total pages: 4031997

[ 0.000000] Kernel command line: root=/dev/mmcblk0p1 rw rootwait console=ttyTCU0,115200n8 console=tty0 fbcon=map:0 net.ifnames=0 rootfstype=ext4 video=tegrafb no\_console\_suspend=1 earlycon=tegra\_comb\_uart,mmio32,0x0c168000 gpt tegra\_fbmem=0x800000@0xa0697000 lut\_mem=0x2008@0xa0693000 usbcore.old\_scheme\_first=1 tegraid=19.1.2.0.0 maxcpus=8 boot.slot\_suffix= boot.ratchetvalues=0.2.2 vpr=0x8000000@0xf0000000 sdhci\_tegra.en\_boot\_part\_access=1

[ 0.000000] log\_buf\_len individual max cpu contribution: 32768 bytes

[ 0.000000] log\_buf\_len total cpu\_extra contributions: 229376 bytes

[ 0.000000] log\_buf\_len min size: 32768 bytes

[ 0.000000] log\_buf\_len: 262144 bytes

[ 0.000000] early log buf free: 29320(89%)

[ 0.000000] PID hash table entries: 4096 (order: 3, 32768 bytes)

[ 0.000000] Dentry cache hash table entries: 2097152 (order: 12, 16777216 bytes)

[ 0.000000] Inode-cache hash table entries: 1048576 (order: 11, 8388608 bytes)

[ 0.000000] Memory: 15994992K/16383988K available (15038K kernel code, 2912K rwdata, 6548K rodata, 8512K init, 607K bss, 323460K reserved, 65536K cma-reserved)

[ 0.000000] Virtual kernel memory layout:

[ 0.000000] modules : 0xffffff8000000000 - 0xffffff8008000000 ( 128 MB)

[ 0.000000] vmalloc : 0xffffff8008000000 - 0xffffffbebfff0000 ( 250 GB)

[ 0.000000] .text : 0xffffff8008080000 - 0xffffff8008f30000 ( 15040 KB)

[ 0.000000] .rodata : 0xffffff8008f30000 - 0xffffff80095a0000 ( 6592 KB)

[ 0.000000] .init : 0xffffff80095a0000 - 0xffffff8009df0000 ( 8512 KB)

[ 0.000000] .data : 0xffffff8009df0000 - 0xffffff800a0c8008 ( 2913 KB)

[ 0.000000] .bss : 0xffffff800a0c8008 - 0xffffff800a15fe3c ( 608 KB)

[ 0.000000] fixed : 0xffffffbefe7fd000 - 0xffffffbefec00000 ( 4108 KB)

[ 0.000000] PCI I/O : 0xffffffbefee00000 - 0xffffffbeffe00000 ( 16 MB)

[ 0.000000] vmemmap : 0xffffffbf00000000 - 0xffffffc000000000 ( 4 GB maximum)

[ 0.000000] 0xffffffbf00000000 - 0xffffffbf10000000 ( 256 MB actual)

[ 0.000000] memory : 0xffffffc000000000 - 0xffffffc400000000 ( 16384 MB)

[ 0.000000] SLUB: HWalign=64, Order=0-3, MinObjects=0, CPUs=8, Nodes=1

[ 0.000000] Preemptible hierarchical RCU implementation.

[ 0.000000] Build-time adjustment of leaf fanout to 64.

[ 0.000000] RCU restricting CPUs from NR\_CPUS=64 to nr\_cpu\_ids=8.

[ 0.000000] RCU: Adjusting geometry for rcu\_fanout\_leaf=64, nr\_cpu\_ids=8

[ 0.000000] NR\_IRQS:64 nr\_irqs:64 0

[ 0.000000] GIC: Using split EOI/Deactivate mode

[ 0.000000] arm\_arch\_timer: Architected cp15 timer(s) running at 31.25MHz (phys).

[ 0.000000] clocksource: arch\_sys\_counter: mask: 0xffffffffffffff max\_cycles: 0xe6a171046, max\_idle\_ns: 881590405314 ns

[ 0.000009] sched\_clock: 56 bits at 31MHz, resolution 32ns, wraps every 4398046511088ns

[ 0.009048] Console: colour dummy device 80x25

[ 0.012168] console [tty0] enabled

[ 0.015877] bootconsole [tegra\_comb\_uart0] disabled

[ 0.020893] kmemleak: Kernel memory leak detector disabled

[ 0.020975] Calibrating delay loop (skipped), value calculated using timer frequency.. 62.50 BogoMIPS (lpj=125000)

[ 0.021022] pid\_max: default: 32768 minimum: 301

[ 0.022535] Security Framework initialized

[ 0.023413] Mount-cache hash table entries: 32768 (order: 6, 262144 bytes)

[ 0.023494] Mountpoint-cache hash table entries: 32768 (order: 6, 262144 bytes)

[ 0.025773] ftrace: allocating 46769 entries in 183 pages

[ 0.532656] sched-energy: Sched-energy-costs installed from DT

[ 0.532926] ASID allocator initialised with 65536 entries

[ 0.574737] tegra-id: chipid=21917.

[ 0.574775] tegra-id: opt\_subrevision=0.

[ 0.574862] Tegra Revision: A02 SKU: 0xd0 CPU Process: 0 SoC Process: 0

[ 0.574917] DTS File Name: ../arch/arm64/boot/dts/../../../../../../hardware/nvidia/platform/t19x/galen/kernel-dts/common/tegra194-p2888-0001-p2822-0000-common.dtsi

[ 0.575013] DTB Build time: Jul 11 2019 16:14:07

[ 0.624729] CPU1: Booted secondary processor [4e0f0040]

[ 0.656736] CPU2: Booted secondary processor [4e0f0040]

[ 0.689011] CPU3: Booted secondary processor [4e0f0040]

[ 0.721569] CPU4: Booted secondary processor [4e0f0040]

[ 0.753844] CPU5: Booted secondary processor [4e0f0040]

[ 0.786592] CPU6: Booted secondary processor [4e0f0040]

[ 0.818445] CPU7: Booted secondary processor [4e0f0040]

[ 0.820186] Brought up 8 CPUs

[ 0.820680] SMP: Total of 8 processors activated.

[ 0.820753] CPU features: detected feature: Privileged Access Never

[ 0.820795] CPU features: detected feature: LSE atomic instructions

[ 0.820835] CPU features: detected feature: User Access Override

[ 0.820873] CPU features: detected feature: 32-bit EL0 Support

[ 0.827014] CPU: All CPU(s) started at EL2

[ 0.827139] alternatives: patching kernel code

[ 0.842777] devtmpfs: initialized

[ 0.926552] Initilizing CustomIPI irq domain

[ 0.927221] clocksource: jiffies: mask: 0xffffffff max\_cycles: 0xffffffff, max\_idle\_ns: 7645041785100000 ns

[ 0.927311] futex hash table entries: 2048 (order: 5, 131072 bytes)

[ 0.929852] pinctrl core: initialized pinctrl subsystem

[ 0.930188] OS set in device tree is not L4T.

[ 0.930592] regulator-dummy: no parameters

[ 0.930908] Initializing plugin-manager

[ 0.930996] Plugin module not found

[ 0.931067] Plugin-manager status disabled

[ 0.933335] NET: Registered protocol family 16

[ 0.937337] pstore: using zlib compression

[ 0.938831] console [pstore-1] enabled

[ 0.938881] pstore: Registered ramoops as persistent store backend

[ 0.938964] ramoops: attached 0x200000@0xe8a00000, ecc: 0/0

[ 0.965099] cpuidle: using governor menu

[ 0.966919] bpmp: waiting for handshake

[ 0.966968] bpmp: handshake completed

[ 0.967037] bpmp: synchronizing channels

[ 0.967084] bpmp: channels synchronized

[ 0.967126] bpmp: mail init ok

[ 0.971870] t19x-arm-smmu 12000000.iommu: found 3 SMMUs and ISO SMMU id is 2

[ 0.972238] t19x-arm-smmu 12000000.iommu: probing hardware configuration...

[ 0.972299] t19x-arm-smmu 12000000.iommu: SMMUv2 with:

[ 0.972349] t19x-arm-smmu 12000000.iommu: stage 1 translation

[ 0.972401] t19x-arm-smmu 12000000.iommu: stage 2 translation

[ 0.972452] t19x-arm-smmu 12000000.iommu: nested translation

[ 0.972508] t19x-arm-smmu 12000000.iommu: stream matching with 128 register groups, mask 0x7f80

[ 0.972581] t19x-arm-smmu 12000000.iommu: SMMU address space size (0x800000) differs from mapped region size (0x1000000)!

[ 0.972661] t19x-arm-smmu 12000000.iommu: 64 context banks (0 stage-2 only)

[ 0.972721] t19x-arm-smmu 12000000.iommu: Stage-1: 39-bit VA -> 48-bit IPA

[ 0.972778] t19x-arm-smmu 12000000.iommu: Stage-2: 39-bit IPA -> 48-bit PA

[ 0.977640] vdso: 2 pages (1 code @ ffffff8008f37000, 1 data @ ffffff8009df4000)

[ 0.977878] hw-breakpoint: found 6 breakpoint and 4 watchpoint registers.

[ 0.982396] atomic\_pool\_init():622: DMA: preallocated 1024 KiB pool for atomic allocations

[ 0.983868] Registering BPMP clocks...

[ 0.984100] tegra\_bpmp\_clk\_init: clock init ok (395 clks)

[ 0.984697] tegra\_bpmp\_of\_clk\_init: EMC proxy not found.

[ 0.985322] tegra\_powergate\_init: DONE

[ 0.985493] DTS File Name: ../arch/arm64/boot/dts/../../../../../../hardware/nvidia/platform/t19x/galen/kernel-dts/common/tegra194-p2888-0001-p2822-0000-common.dtsi

[ 0.985643] DTB Build time: Jul 11 2019 16:14:07

[ 0.989843] Tegra reboot handler registered.

[ 1.000568] iommu: Adding device 14180000.pcie to group 0

[ 1.001649] iommu: Adding device 14100000.pcie to group 1

[ 1.002650] iommu: Adding device 14140000.pcie to group 2

[ 1.003605] iommu: Adding device 141a0000.pcie to group 3

[ 1.005761] iommu: Adding device 2490000.ether\_qos to group 4

[ 1.006572] iommu: Adding device 3100000.serial to group 5

[ 1.007396] iommu: Adding device 3110000.serial to group 6

[ 1.008011] iommu: Adding device 3140000.serial to group 7

[ 1.008842] tegra-pmc c360000.pmc: scratch reg offset dts data not present

[ 1.009183] tegra-pmc: get\_secure\_pmc\_setting: done secure\_pmc=0

[ 1.009320] tegra-pmc: ### PMC reset source: TEGRA\_SOFTWARE\_RESET

[ 1.009389] tegra-pmc: ### PMC reset level: TEGRA\_RESET\_LEVEL\_L1

[ 1.009496] tegra-pmc: ### PMC reset status reg: 0x2d

[ 1.009613] tegra-pmc: PMC Prod config success

[ 1.009996] padctrl padctrl.0: Pad control driver tegra-pmc-padctrl registered

[ 1.010108] tegra-pmc c360000.pmc: IO padctrl driver initialized

[ 1.010726] iommu: Adding device 3460000.sdhci to group 8

[ 1.011579] iommu: Adding device 3400000.sdhci to group 9

[ 1.012396] iommu: Adding device 2450000.ufshci to group 10

[ 1.013175] iommu: Adding device c260000.spi to group 11

[ 1.014446] iommu: Adding device 3160000.i2c to group 12

[ 1.015054] iommu: Adding device c240000.i2c to group 13

[ 1.015686] iommu: Adding device 3180000.i2c to group 14

[ 1.016284] iommu: Adding device 3190000.i2c to group 15

[ 1.017101] iommu: Adding device 31b0000.i2c to group 16

[ 1.017810] iommu: Adding device 31c0000.i2c to group 17

[ 1.018425] iommu: Adding device c250000.i2c to group 18

[ 1.019072] iommu: Adding device 31e0000.i2c to group 19

[ 1.020283] iommu: Adding device sound to group 20

[ 1.021075] iommu: Adding device 3510000.hda to group 21

[ 1.021950] iommu: Adding device bc00000.rtcpu to group 22

[ 1.025130] iommu: Adding device 13e10000.host1x to group 23

[ 1.025803] iommu: Adding device 13e10000.host1x:ctx0 to group 24

[ 1.026456] iommu: Adding device 13e10000.host1x:ctx1 to group 25

[ 1.027178] iommu: Adding device 13e10000.host1x:ctx2 to group 26

[ 1.027750] iommu: Adding device 13e10000.host1x:ctx3 to group 27

[ 1.028429] iommu: Adding device 13e10000.host1x:ctx4 to group 28

[ 1.029020] iommu: Adding device 13e10000.host1x:ctx5 to group 29

[ 1.029703] iommu: Adding device 13e10000.host1x:ctx6 to group 30

[ 1.030309] iommu: Adding device 13e10000.host1x:ctx7 to group 31

[ 1.031162] iommu: Adding device 15340000.vic to group 32

[ 1.032010] iommu: Adding device 15380000.nvjpg to group 33

[ 1.032470] iommu: Adding device 15500000.tsec to group 34

[ 1.032910] iommu: Adding device 15100000.tsecb to group 35

[ 1.033380] iommu: Adding device 15480000.nvdec to group 36

[ 1.033916] iommu: Adding device 15140000.nvdec1 to group 37

[ 1.034385] iommu: Adding device 154c0000.nvenc to group 38

[ 1.034846] iommu: Adding device 15a80000.nvenc1 to group 39

[ 1.035569] iommu: Adding device 15880000.nvdla0 to group 40

[ 1.036232] iommu: Adding device 158c0000.nvdla1 to group 41

[ 1.037127] iommu: Adding device 15200000.nvdisplay to group 42

[ 1.037532] platform 15200000.nvdisplay: IOVA linear map 0x00000000a0697000(800000)

[ 1.037627] platform 15200000.nvdisplay: IOVA linear map 0x00000000a0693000(3000)

[ 1.038889] platform 15200000.nvdisplay: IOVA linear map 0x00000000f0000000(8000000)

[ 1.038972] t19x-arm-smmu: Adding 15200000.nvdisplay to ISO SMMU client

[ 1.039790] iommu: Adding device 15210000.nvdisplay to group 43

[ 1.039903] t19x-arm-smmu: Adding 15210000.nvdisplay to ISO SMMU client

[ 1.040548] iommu: Adding device 15220000.nvdisplay to group 44

[ 1.040659] t19x-arm-smmu: Adding 15220000.nvdisplay to ISO SMMU client

[ 1.043567] iommu: Adding device 15c10000.vi to group 45

[ 1.043857] t19x-arm-smmu: Adding 15c10000.vi to ISO SMMU client

[ 1.044441] iommu: Adding device 14800000.isp to group 46

[ 1.046506] iommu: Adding device 16000000.pva0 to group 47

[ 1.047382] iommu: Adding device 16800000.pva1 to group 48

[ 1.048029] iommu: Adding device 15810000.se to group 49

[ 1.048684] iommu: Adding device 15820000.se to group 50

[ 1.049351] iommu: Adding device 15830000.se to group 51

[ 1.049825] iommu: Adding device 15840000.se to group 52

[ 1.050292] iommu: Adding device c1a0000.aon to group 53

[ 1.052422] iommu: Adding device d000000.bpmp to group 54

[ 1.052959] bpmp: ping status is 0

[ 1.053189] bpmp d000000.bpmp: firmware tag is 1c1b2165fe52a0a54ad7caf60d40cdc3

[ 1.057001] bpmp d000000.bpmp: probe ok

[ 1.059135] tegra-reset 0.bpmp\_reset: registered 186 resets.

[ 1.060014] iommu: Adding device smmu\_test to group 55

[ 1.061467] mc: mapped MMIO address: 0xffffff800a540000 -> 0x2c10000

[ 1.061570] mc: mapped MMIO address: 0xffffff800a560000 -> 0x2c20000

[ 1.061693] mc: mapped MMIO address: 0xffffff800a580000 -> 0x2c30000

[ 1.061822] mc: mapped MMIO address: 0xffffff800a5a0000 -> 0x2c40000

[ 1.061913] mc: mapped MMIO address: 0xffffff800a5c0000 -> 0x2c50000

[ 1.062032] mc: mapped MMIO address: 0xffffff800a5e0000 -> 0x2b80000

[ 1.062124] mc: mapped MMIO address: 0xffffff800a7b0000 -> 0x2b90000

[ 1.062210] mc: mapped MMIO address: 0xffffff800a7d0000 -> 0x2ba0000

[ 1.062300] mc: mapped MMIO address: 0xffffff800b010000 -> 0x2bb0000

[ 1.062388] mc: mapped MMIO address: 0xffffff800b030000 -> 0x1700000

[ 1.062477] mc: mapped MMIO address: 0xffffff800b050000 -> 0x1710000

[ 1.062564] mc: mapped MMIO address: 0xffffff800b070000 -> 0x1720000

[ 1.062670] mc: mapped MMIO address: 0xffffff800b090000 -> 0x1730000

[ 1.062775] mc: mapped MMIO address: 0xffffff800b0b0000 -> 0x1740000

[ 1.062918] mc: mapped MMIO address: 0xffffff800b0d0000 -> 0x1750000

[ 1.063022] mc: mapped MMIO address: 0xffffff800b0f0000 -> 0x1760000

[ 1.063107] mc: mapped MMIO address: 0xffffff800b110000 -> 0x1770000

[ 1.063266] mc-err: mcerr ops are set to t19x

[ 1.072043] iommu: Adding device 2600000.dma to group 56

[ 1.080312] GPIO line 490 (pcie-reg-enable) hogged as output/high

[ 1.080432] GPIO line 289 (pcie-reg-enable) hogged as output/high

[ 1.080542] GPIO line 339 (wifi-enable) hogged as output/high

[ 1.081139] gpiochip\_setup\_dev: registered GPIOs 288 to 511 on device: gpiochip0 (tegra-gpio)

[ 1.090255] GPIO line 253 (pex-refclk-sel-low) hogged as output/low

[ 1.090788] gpiochip\_setup\_dev: registered GPIOs 248 to 287 on device: gpiochip1 (tegra-gpio-aon)

[ 1.093618] tegra186-aowake c370000.pmc: WAKE\_AOWAKE\_CTRL\_0 = 3

[ 1.093686] tegra186-aowake c370000.pmc: WAKE\_AOWAKE\_CNTRL\_24(PMU\_INT) = 256

[ 1.094830] iommu: Adding device 3550000.xudc to group 57

[ 1.095889] iommu: Adding device 3610000.xhci to group 58

[ 1.099319] arm64\_ras arm64\_ras: probed

[ 1.099925] ras\_fhi\_enable: FHI 477 enabled on CPU0

[ 1.100029] ras\_fhi\_enable: FHI 478 enabled on CPU1

[ 1.100169] ras\_fhi\_enable: FHI 479 enabled on CPU2

[ 1.100327] ras\_fhi\_enable: FHI 480 enabled on CPU3

[ 1.100459] ras\_fhi\_enable: FHI 481 enabled on CPU4

[ 1.100608] ras\_fhi\_enable: FHI 482 enabled on CPU5

[ 1.100719] ras\_fhi\_enable: FHI 483 enabled on CPU6

[ 1.100842] ras\_fhi\_enable: FHI 484 enabled on CPU7

[ 1.101174] carmel\_ras\_enable: RAS enabled on cpu0

[ 1.101544] carmel\_ras\_enable: RAS enabled on cpu1

[ 1.101870] carmel\_ras\_enable: RAS enabled on cpu2

[ 1.102189] carmel\_ras\_enable: RAS enabled on cpu3

[ 1.102506] carmel\_ras\_enable: RAS enabled on cpu4

[ 1.102790] carmel\_ras\_enable: RAS enabled on cpu5

[ 1.103057] carmel\_ras\_enable: RAS enabled on cpu6

[ 1.103323] carmel\_ras\_enable: RAS enabled on cpu7

[ 1.103477] carmel\_ras carmel\_ras: probed

[ 1.105612] tegra-cbb 2300000.cbb-noc: noc\_secure\_irq = 486, noc\_nonsecure\_irq = 485>

[ 1.106433] tegra-cbb c600000.aon-noc: noc\_secure\_irq = 488, noc\_nonsecure\_irq = 487>

[ 1.107749] tegra-cbb d600000.bpmp-noc: noc\_secure\_irq = 490, noc\_nonsecure\_irq = 489>

[ 1.109020] tegra-cbb be00000.rce-noc: noc\_secure\_irq = 492, noc\_nonsecure\_irq = 491>

[ 1.110236] tegra-cbb b600000.sce-noc: noc\_secure\_irq = 494, noc\_nonsecure\_irq = 493>

[ 1.110825] tegra-cbb 14040000.cv-noc: defer probe as CV-NOC not probed yet

[ 1.114192] vdd-3v3-cvb: 3300 mV

[ 1.114641] vdd-1v8-cvb: 1800 mV

[ 1.115199] vdd-1v8-sd: 1800 mV

[ 1.115793] vdd-epb-1v0: supplied by vdd-3v3-cvb

[ 1.115935] vdd-epb-1v0: 1000 mV

[ 1.116549] vdd-sdmmc1-sw: 3300 mV

[ 1.117189] avdd-cam-2v8: 2800 mV

[ 1.117639] vdd-sata-1v5: 1500 mV

[ 1.118036] vdd-1v8-slt: 1800 mV

[ 1.118416] vdd-3v3-slt: 3300 mV

[ 1.118824] vdd-fan: 5000 mV

[ 1.119281] vdd-hdmi-5v0: 5000 mV

[ 1.119776] vdd\_sys\_en: 1200 mV

[ 1.120357] vdd-5v-sata: 5000 mV

[ 1.120892] vdd-ac-bat: 5000 mV

[ 1.121154] vdd-5v-sata: supplied by vdd-ac-bat

[ 1.154257] HugeTLB registered 2 MB page size, pre-allocated 0 pages

[ 1.160042] eventlib\_kernel: keventlib is initialized, test id: 0

[ 1.160489] SCSI subsystem initialized

[ 1.161110] libata version 3.00 loaded.

[ 1.161370] usbcore: registered new interface driver usbfs

[ 1.161494] usbcore: registered new interface driver hub

[ 1.161649] usbcore: registered new device driver usb

[ 1.175339] tegra-i2c 31e0000.i2c: could not find pctldev for node /host1x/dpaux@155F0000/pinmux@0, deferring probe

[ 1.178595] max77620 4-003c: PMIC Version OTP:0x51 and ES:0x1

[ 1.190651] vdd-1v0: at 1000 mV

[ 1.198668] vdd-1v8-hs: at 1800 mV

[ 1.206749] vdd-1v8-ls: at 1800 mV

[ 1.214919] vdd-1v8-ao: at 1800 mV

[ 1.219645] vddio-ddr-1v1: at 1100 mV

[ 1.223367] vdd-rtc: at 800 mV

[ 1.224888] spmic-ldo1: at 2375 mV

[ 1.234727] vdd-ao-3v3: at 3300 mV

[ 1.243595] vddio-emmc-3v3: at 3300 mV

[ 1.245375] spmic-ldo4: at 1587 mV

[ 1.251689] vdd-usb-3v3: at 3300 mV

[ 1.260156] vddio-sdmmc1-3v3: at 3300 mV

[ 1.263814] vdd-csi-1v2: at 1200 mV

[ 1.265478] spmic-ldo8: at 1800 mV

[ 1.268078] GPIO line 246 (gpio\_default) hogged as output/high

[ 1.269552] GPIO line 247 (gpio\_default) hogged as output/high

[ 1.270088] gpiochip\_setup\_dev: registered GPIOs 240 to 247 on device: gpiochip2 (max77620-gpio)

[ 1.273980] max77620 4-003c: max77620 probe successful

[ 1.274816] media: Linux media interface: v0.10

[ 1.274976] Linux video capture interface: v2.00

[ 1.276810] pps\_core: LinuxPPS API ver. 1 registered

[ 1.276857] pps\_core: Software ver. 5.3.6 - Copyright 2005-2007 Rodolfo Giometti <giometti@linux.it>

[ 1.276951] PTP clock support registered

[ 1.277795] tegra\_wdt\_t18x 30c0000.watchdog: Tegra WDT init timeout = 120 sec

[ 1.277884] tegra\_wdt\_t18x 30c0000.watchdog: Registered successfully

[ 1.279830] tegra\_fiq\_debugger\_init: found FIQ source (IRQ 469)

[ 1.281908] Advanced Linux Sound Architecture Driver Initialized.

[ 1.282603] Bluetooth: Core ver 2.22

[ 1.282674] NET: Registered protocol family 31

[ 1.282718] Bluetooth: HCI device and connection manager initialized

[ 1.282778] Bluetooth: HCI socket layer initialized

[ 1.282829] Bluetooth: L2CAP socket layer initialized

[ 1.282898] Bluetooth: SCO socket layer initialized

[ 1.286380] camchar: rtcpu character device driver loaded

[ 1.288186] clocksource: Switched to clocksource arch\_sys\_counter

[ 1.348418] VFS: Disk quotas dquot\_6.6.0

[ 1.348608] VFS: Dquot-cache hash table entries: 512 (order 0, 4096 bytes)

[ 1.349117] nvmap\_heap\_init: nvmap\_heap\_init: created heap block cache

[ 1.351078] tegra-carveouts tegra-carveouts: assigned reserved memory node grid-of-semaphores

[ 1.351234] tegra-carveouts tegra-carveouts: vpr :dma coherent mem declare 0x00000000f0000000,134217728

[ 1.351355] nvmap: nvmap\_select\_cache\_ops() nvmap cache ops set to scf

[ 1.351426] nvmap\_page\_pool\_init: Total RAM pages: 4015132

[ 1.351468] nvmap\_page\_pool\_init: nvmap page pool size: 501891 pages (1960 MB)

[ 1.351786] nvmap\_background\_zero\_thread: PP zeroing thread starting.

[ 1.352503] misc nvmap: created heap vpr base 0x00000000f0000000 size (131072KiB)

[ 1.355032] tegra-gpcdma 2600000.dma: GPC DMA driver register 31 channels

[ 1.372570] thermal thermal\_zone0: Registering thermal zone thermal\_zone0 for type CPU-therm

[ 1.372961] thermal thermal\_zone1: Registering thermal zone thermal\_zone1 for type GPU-therm

[ 1.373330] thermal thermal\_zone2: Registering thermal zone thermal\_zone2 for type AUX-therm

[ 1.373670] thermal thermal\_zone3: Registering thermal zone thermal\_zone3 for type AO-therm

[ 1.374158] thermal thermal\_zone4: Registering thermal zone thermal\_zone4 for type Tdiode\_tegra

[ 1.374516] thermal thermal\_zone5: Registering thermal zone thermal\_zone5 for type PMIC-Die

[ 1.374738] thermal thermal\_zone6: Registering thermal zone thermal\_zone6 for type Tboard\_tegra

[ 1.376236] la/ptsa driver initialized.

[ 1.376680] NET: Registered protocol family 2

[ 1.377891] TCP established hash table entries: 131072 (order: 8, 1048576 bytes)

[ 1.378779] TCP bind hash table entries: 65536 (order: 8, 1048576 bytes)

[ 1.379681] TCP: Hash tables configured (established 131072 bind 65536)

[ 1.379779] UDP hash table entries: 8192 (order: 6, 262144 bytes)

[ 1.380198] UDP-Lite hash table entries: 8192 (order: 6, 262144 bytes)

[ 1.380880] NET: Registered protocol family 1

[ 1.381902] RPC: Registered named UNIX socket transport module.

[ 1.381956] RPC: Registered udp transport module.

[ 1.381995] RPC: Registered tcp transport module.

[ 1.382033] RPC: Registered tcp NFSv4.1 backchannel transport module.

[ 1.382097] PCI: CLS 0 bytes, default 64

[ 1.382315] Trying to unpack rootfs image as initramfs...

[ 1.404136] random: fast init done

[ 1.409491] host1x 13e10000.host1x: initialized

[ 1.412754] hw perfevents: enabled with armv8\_pmuv3 PMU driver, 7 counters available

[ 1.419325] audit: initializing netlink subsys (disabled)

[ 1.419416] audit: type=2000 audit(0.924:1): initialized

[ 1.420653] workingset: timestamp\_bits=46 max\_order=22 bucket\_order=0

[ 1.434420] squashfs: version 4.0 (2009/01/31) Phillip Lougher

[ 1.436270] ntfs: driver 2.1.32 [Flags: R/W].

[ 1.437282] 9p: Installing v9fs 9p2000 file system support

[ 1.443736] Block layer SCSI generic (bsg) driver version 0.4 loaded (major 240)

[ 1.444015] io scheduler noop registered

[ 1.444479] io scheduler cfq registered (default)

[ 1.448812] gic 2a41000.agic-controller: GIC IRQ controller registered

[ 1.488351] iommu: Adding device 2993000.adsp to group 59

[ 1.595371] iommu: Adding device aconnect@2a41000:adsp\_audio to group 60

[ 1.596529] tegra-aconnect aconnect@2a41000: Tegra ACONNECT bus registered

[ 1.614265] tegra-pwm c340000.pwm: PWM clk can sleep in ops

[ 1.614861] tegra-pwm 32c0000.pwm: PWM clk can sleep in ops

[ 1.615398] tegra-pwm 32f0000.pwm: PWM clk can sleep in ops

[ 1.619076] tegra\_camera\_platform tegra-camera-platform: tegra\_camera\_probe:camera\_platform\_driver probe

[ 1.619470] misc tegra\_camera\_ctrl: tegra\_camera\_isomgr\_register tpg\_max\_iso = 3916800KBs

[ 1.619533] misc tegra\_camera\_ctrl: tegra\_camera\_isomgr\_register isp\_iso\_bw=4687500, vi\_iso\_bw=2000000, max\_bw=4687500

[ 1.623788] tsec 15500000.tsec: initialized

[ 1.626366] tsec 15100000.tsecb: initialized

[ 1.631883] nvdec 15480000.nvdec: initialized

[ 1.635712] nvdec 15140000.nvdec1: initialized

[ 1.643067] falcon 15340000.vic: initialized

[ 1.645780] falcon 15380000.nvjpg: initialized

[ 1.648415] falcon 154c0000.nvenc: initialized

[ 1.650884] falcon 15a80000.nvenc1: initialized

[ 1.654166] iommu\_context\_dev 13e10000.host1x:ctx0: initialized (streamid=56)

[ 1.656901] iommu\_context\_dev 13e10000.host1x:ctx1: initialized (streamid=57)

[ 1.659481] iommu\_context\_dev 13e10000.host1x:ctx2: initialized (streamid=58)

[ 1.662195] iommu\_context\_dev 13e10000.host1x:ctx3: initialized (streamid=59)

[ 1.664820] iommu\_context\_dev 13e10000.host1x:ctx4: initialized (streamid=60)

[ 1.667037] iommu\_context\_dev 13e10000.host1x:ctx5: initialized (streamid=61)

[ 1.669021] iommu\_context\_dev 13e10000.host1x:ctx6: initialized (streamid=62)

[ 1.670994] iommu\_context\_dev 13e10000.host1x:ctx7: initialized (streamid=63)

[ 1.676303] t194-nvcsi 15a00000.nvcsi: initialized

[ 1.682903] scare-pigeon 13e10000.host1x:vi-thi@15f00000: initialized

[ 1.683460] scare-pigeon 14b00000.isp-thi: initialized

[ 1.694835] pva 16000000.pva0: initialized

[ 1.727197] pva 16800000.pva1: initialized

[ 1.758833] nvdla 15880000.nvdla0: initialized

[ 1.789844] nvdla 158c0000.nvdla1: initialized

[ 1.794587] tegra-slvs-ec 15ac0000.slvs-ec: initialized

[ 1.794889] tegra-slvs-ec 15ac0000.slvs-ec: no streams defined

[ 1.794934] tegra-slvs-ec 15ac0000.slvs-ec: failed to init SLVS media controller (-19)

[ 1.794981] tegra-slvs-ec 15ac0000.slvs-ec: probed

[ 1.796357] tegradccommon 15200000.dc\_common: host1x channel mapped

[ 1.796431] tegradccommon 15200000.dc\_common: dc\_common syncpt # 1 allocated

[ 1.796507] tegradccommon 15200000.dc\_common: dma mapping done

[ 1.797677] tegradc 15200000.nvdisplay: disp0 connected to head0->/host1x/sor2

[ 1.797809] generic\_infoframe\_type: 0x87

[ 1.798016] tegradc 15200000.nvdisplay: DT parsed successfully

[ 1.798111] tegradc 15200000.nvdisplay: Display dc.ffffff800bd10000 registered with id=0

[ 1.805105] tegra\_nvdisp\_bandwidth\_register\_max\_config: max config iso bw = 15681600 KB/s

[ 1.805170] tegra\_nvdisp\_bandwidth\_register\_max\_config: max config EMC floor = 1066500000 Hz

[ 1.805220] tegra\_nvdisp\_bandwidth\_register\_max\_config: max config hubclk = 358400000 Hz

[ 1.805573] tegradc 15200000.nvdisplay: vblank syncpt # 8 for dc 0

[ 1.805621] tegradc 15200000.nvdisplay: vpulse3 syncpt # 9 for dc 0

[ 1.807328] tegradc 15200000.nvdisplay: Bootloader disp\_param detected. Detected mode: 1920x1080 (on 0x0mm) pclk=148350937

[ 1.809457] tegra-adma 2930000.adma: Tegra210 ADMA driver registered 16 channels

[ 1.810139] tegradc 15200000.nvdisplay: hdmi: invalid prod list prod\_list\_hdmi\_board

[ 1.810192] tegradc 15200000.nvdisplay: hdmi: tegra\_hdmi\_tmds\_range\_read(bd) failed

[ 1.810557] tegra-fuse-burn 3820000.efuse:efuse-burn: Fuse burn driver initialized

[ 1.811524] kfuse 3830000.kfuse: initialized

[ 1.815772] tegradc 15200000.nvdisplay: probed

[ 1.819874] Serial: 8250/16550 driver, 4 ports, IRQ sharing disabled

[ 1.825068] 3100000.serial: ttyTHS0 at MMIO 0x3100000 (irq = 50, base\_baud = 0) is a TEGRA\_UART

[ 1.826455] 3110000.serial: ttyTHS1 at MMIO 0x3110000 (irq = 51, base\_baud = 0) is a TEGRA\_UART

[ 1.827425] 3140000.serial: ttyTHS4 at MMIO 0x3140000 (irq = 52, base\_baud = 0) is a TEGRA\_UART

[ 4.293933] console [ttyTCU0] enabled

[ 4.294626] Console: switching to colour frame buffer device 240x67

[ 4.294706] [drm] Initialized

[ 4.306517] tegradc 15200000.nvdisplay: fb registered

[ 4.311995] gpio tegra-gpio wake71 for gpio=98(M:2)

[ 4.317489] tegra\_nvdisp\_handle\_pd\_enable: Unpowergated Head0 pd

[ 4.322804] tegra\_nvdisp\_handle\_pd\_enable: Unpowergated Head1 pd

[ 4.325194] brd: module loaded

[ 4.333512] loop: module loaded

[ 4.334704] tegra\_profiler: version: 1.132, samples/io: 46/26

[ 4.340562] tegra\_profiler: auth: init

[ 4.345022] nct1008\_nct72 4-004c: starting parse dt

[ 4.345497] THERMAL EST: found 3 subdevs

[ 4.345510] THERMAL EST num\_resources: 0

[ 4.345603] [THERMAL EST subdev 0]

[ 4.345609] [THERMAL EST subdev 1]

[ 4.345614] [THERMAL EST subdev 2]

[ 4.346102] thermal thermal\_zone7: Registering thermal zone thermal\_zone7 for type thermal-fan-est

[ 4.346105] THERMAL EST: thz register success.

[ 4.346186] Parent Clock set for DC plld3

[ 4.348422] THERMAL EST: end of probe, return err: 0

[ 4.349449] ufs\_tegra 2450000.ufshci: freq-table-hz property not specified

[ 4.349461] ufs\_tegra 2450000.ufshci: ufshcd\_populate\_vreg: Unable to find vdd-hba-supply regulator, assuming enabled

[ 4.350503] ufs\_tegra 2450000.ufshci: wakeup init done, cdirq 459

[ 4.350514] gpio tegra-gpio-aon wake25 for gpio=32(EE:0)

[ 4.363709] scsi host0: ufshcd

[ 4.376794] hisi\_sas: driver version v1.6

[ 4.382527] libphy: Fixed MDIO Bus: probed

[ 4.383248] tun: Universal TUN/TAP device driver, 1.6

[ 4.383250] tun: (C) 1999-2004 Max Krasnyansky <maxk@qualcomm.com>

[ 4.384198] e1000e: Intel(R) PRO/1000 Network Driver - 3.2.6-k

[ 4.384201] e1000e: Copyright(c) 1999 - 2015 Intel Corporation.

[ 4.384256] igb: Intel(R) Gigabit Ethernet Network Driver - version 5.4.0-k

[ 4.384258] igb: Copyright (c) 2007-2014 Intel Corporation.

[ 4.384305] igbvf: Intel(R) Gigabit Virtual Function Network Driver - version 2.4.0-k

[ 4.384308] igbvf: Copyright (c) 2009 - 2012 Intel Corporation.

[ 4.384356] Intel(R) 10GbE PCI Express Linux Network Driver - version 4.6.4

[ 4.384359] Copyright(c) 1999 - 2017 Intel Corporation.

[ 4.389988] eqos 2490000.ether\_qos: no PHY interrupt found

[ 4.394081] eqos 2490000.ether\_qos: Setting local MAC: 0 4 4b cb 98 aa

[ 4.394267] libphy: dwc\_phy: probed

[ 4.397668] PPP generic driver version 2.4.2

[ 4.397953] PPP BSD Compression module registered

[ 4.397958] PPP Deflate Compression module registered

[ 4.397980] PPP MPPE Compression module registered

[ 4.397986] NET: Registered protocol family 24

[ 4.398061] usbcore: registered new interface driver r8152

[ 4.398140] usbcore: registered new interface driver asix

[ 4.398182] usbcore: registered new interface driver ax88179\_178a

[ 4.398220] usbcore: registered new interface driver cdc\_ether

[ 4.398257] usbcore: registered new interface driver net1080

[ 4.398299] usbcore: registered new interface driver cdc\_subset

[ 4.398343] usbcore: registered new interface driver zaurus

[ 4.398412] usbcore: registered new interface driver cdc\_ncm

[ 4.398679] VFIO - User Level meta-driver version: 0.3

[ 4.400217] ehci\_hcd: USB 2.0 'Enhanced' Host Controller (EHCI) Driver

[ 4.400233] ehci-pci: EHCI PCI platform driver

[ 4.400286] ohci\_hcd: USB 1.1 'Open' Host Controller (OHCI) Driver

[ 4.400296] ohci-pci: OHCI PCI platform driver

[ 4.400350] ohci-platform: OHCI generic platform driver

[ 4.405442] tegradc 15200000.nvdisplay: hdmi: tmds rate:148351K prod-setting:prod\_c\_hdmi\_111m\_223m

[ 4.406404] tegradc 15200000.nvdisplay: hdmi: get RGB quant from REG programmed by BL.

[ 4.406460] tegradc 15200000.nvdisplay: hdmi: get YCC quant from REG programmed by BL.

[ 4.408029] extcon-disp-state external-connection:disp-state: cable 48 state 1

[ 4.408033] Extcon AUX2(HDMI) enable

[ 4.408105] tegra-xusb 3610000.xhci: USB2 port 0 has OTG\_CAP

[ 4.408152] tegra-xusb 3610000.xhci: USB3 port 2 has OTG\_CAP

[ 4.408871] Could not get extcon-dev /host1x/nvdisplay@15210000:typec0(0)

[ 4.409304] Could not get extcon-dev /host1x/nvdisplay@15220000:typec1(1)

[ 4.411495] Could not get extcon-dev /xhci@3610000:id(0)

[ 4.415057] usbcore: registered new interface driver uas

[ 4.415124] usbcore: registered new interface driver usb-storage

[ 4.415285] usbcore: registered new interface driver usbserial

[ 4.419651] tegra-xudc-new 3550000.xudc: PMQOS CPU boost enabled

[ 4.419727] Could not get extcon-dev /xudc@3550000:vbus(0)

[ 4.422961] ucsi\_ccg 1-0008: FW1 Version: gn v12.05, [Base 3.1.2.1487]

[ 4.422971] ucsi\_ccg 1-0008: FW2 Version: gn v12.05, [Base 3.1.2.1487]

[ 4.424244] ucsi\_ccg 1-0008: fw\_mode: 2

[ 4.424249] ucsi\_ccg 1-0008: fw1\_invalid: 0

[ 4.424253] ucsi\_ccg 1-0008: fw2\_invalid: 0

[ 4.424259] ucsi\_ccg 1-0008: silicon\_id: 0x1f00

[ 4.424523] ucsi\_ccg 1-0008: typec-port0 extcon dev created

[ 4.424709] ucsi\_ccg 1-0008: typec-port1 extcon dev created

[ 4.424903] ucsi\_ccg 1-0008: typec-pd extcon dev created

[ 4.425089] gpio tegra-gpio-aon wake48 for gpio=10(BB:2)

[ 4.427486] ucsi\_ccg 1-0008: dev event code: 0x80, data len: 0

[ 4.428620] ucsi\_ccg 1-0008: [typec-port0] Cable state:1, cable id:1

[ 4.429011] ucsi\_ccg 1-0008: CCG reset complete

[ 4.431847] ucsi\_ccg 1-0008: FW1 Version: gn v12.05, [Base 3.1.2.1487]

[ 4.431857] ucsi\_ccg 1-0008: FW2 Version: gn v12.05, [Base 3.1.2.1487]

[ 4.433842] ucsi\_ccg 1-0008: fw\_mode: 2

[ 4.433849] ucsi\_ccg 1-0008: fw1\_invalid: 0

[ 4.433855] ucsi\_ccg 1-0008: fw2\_invalid: 0

[ 4.433861] ucsi\_ccg 1-0008: silicon\_id: 0x1f00

[ 4.433870] ucsi\_ccg 1-0008: Reset Complete.

[ 4.436974] ucsi\_ccg 1-0008: HPI Command Success.

[ 4.439711] ucsi\_ccg 1-0008: HPI Command Success.

[ 4.439733] ucsi\_ccg 1-0008: ucsi\_ccg\_init: complete

[ 4.440578] mousedev: PS/2 mouse device common for all mice

[ 4.440690] usbcore: registered new interface driver xpad

[ 4.575895] max77686-rtc max77620-rtc: rtc core: registered max77620-rtc as rtc0

[ 4.578092] Wake73 for irq=42

[ 4.579692] rtc rtc1: alarm rtc device

[ 4.579721] tegra\_rtc c2a0000.rtc: rtc core: registered c2a0000.rtc as rtc1

[ 4.579760] tegra\_rtc c2a0000.rtc: Tegra internal Real Time Clock

[ 4.580189] i2c /dev entries driver

[ 4.585037] max77620-power max20024-power: Event recorder REG\_NVERC : 0x40

[ 4.591156] tegra-bpmp-thermal d000000.bpmp:bpmpthermal: zone 0 not supported

[ 4.591528] tegra-bpmp-thermal d000000.bpmp:bpmpthermal: zone 2 not supported

[ 4.594633] tegra-thermal-throttle bthrot\_cdev: clk:cpu max:2265600000, min:115200000 steps:28

[ 4.648003] tegra-thermal-throttle bthrot\_cdev: clk:gpu max:1377000000, min:114750000 steps:13

[ 4.648053] tegra-thermal-throttle bthrot\_cdev: cdev:skin-balanced clk:0:cpu off:0 slope-adj:200

[ 4.648061] tegra-thermal-throttle bthrot\_cdev: cdev:skin-balanced clk:1:gpu off:0 slope-adj:400

[ 4.648257] tegra-thermal-throttle bthrot\_cdev: cdev:skin-balanced max\_state:56 cutoff:0

[ 4.648382] tegra-thermal-throttle bthrot\_cdev: cdev:gpu-balanced clk:0:cpu off:0 slope-adj:400

[ 4.648389] tegra-thermal-throttle bthrot\_cdev: cdev:gpu-balanced clk:1:gpu off:0 slope-adj:400

[ 4.648773] tegra-thermal-throttle bthrot\_cdev: cdev:gpu-balanced max\_state:52 cutoff:1

[ 4.648853] tegra-thermal-throttle bthrot\_cdev: cdev:cpu-balanced clk:0:cpu off:0 slope-adj:200

[ 4.648867] tegra-thermal-throttle bthrot\_cdev: cdev:cpu-balanced clk:1:gpu off:365500000 slope-adj:300

[ 4.649226] tegra-thermal-throttle bthrot\_cdev: cdev:cpu-balanced max\_state:56 cutoff:0

[ 4.649301] tegra-thermal-throttle bthrot\_cdev: cdev:emergency-balanced clk:0:cpu off:38400000 slope-adj:10

[ 4.649312] tegra-thermal-throttle bthrot\_cdev: cdev:emergency-balanced clk:1:gpu off:25500000 slope-adj:10

[ 4.649761] tegra-thermal-throttle bthrot\_cdev: cdev:emergency-balanced max\_state:2 cutoff:0

[ 4.649883] tegra-thermal-throttle bthrot\_cdev: cdev:aux-balanced clk:0:cpu off:0 slope-adj:400

[ 4.649925] tegra-thermal-throttle bthrot\_cdev: cdev:aux-balanced clk:1:gpu off:0 slope-adj:400

[ 4.650302] tegra-thermal-throttle bthrot\_cdev: cdev:aux-balanced max\_state:52 cutoff:1

[ 4.651225] FAN dev name: pwm-fan

[ 4.651290] FAN:gpio request success.

[ 4.651303] FAN: can't find tach\_gpio

[ 4.651371] pwm\_fan\_driver pwm-fan: cap state:7, cap pwm:255

[ 4.651680] pwm\_fan\_driver pwm-fan: got pwm for fan. polarity is normal

[ 4.651686] pwm\_fan\_driver pwm-fan: tach period: 1000

[ 4.652057] pwm\_fan\_driver pwm-fan: index 0: pwm=0, rpm=0, rru=40, rrd=40, state:2

[ 4.652100] pwm\_fan\_driver pwm-fan: index 1: pwm=77, rpm=1000, rru=2, rrd=2, state:2

[ 4.652148] pwm\_fan\_driver pwm-fan: index 2: pwm=120, rpm=2000, rru=1, rrd=1, state:2

[ 4.652154] pwm\_fan\_driver pwm-fan: index 3: pwm=160, rpm=3000, rru=1, rrd=1, state:2

[ 4.652159] pwm\_fan\_driver pwm-fan: index 4: pwm=255, rpm=4000, rru=1, rrd=1, state:3

[ 4.652165] pwm\_fan\_driver pwm-fan: index 5: pwm=255, rpm=5000, rru=1, rrd=1, state:3

[ 4.652170] pwm\_fan\_driver pwm-fan: index 6: pwm=255, rpm=6000, rru=1, rrd=1, state:3

[ 4.652175] pwm\_fan\_driver pwm-fan: index 7: pwm=255, rpm=7000, rru=1, rrd=1, state:4

[ 4.652217] pwm\_fan\_driver pwm-fan: index 8: pwm=255, rpm=10000, rru=1, rrd=1, state:4

[ 4.652223] pwm\_fan\_driver pwm-fan: index 9: pwm=255, rpm=11000, rru=1, rrd=1, state:4

[ 4.653549] device-mapper: uevent: version 1.0.3

[ 4.654244] device-mapper: ioctl: 4.35.0-ioctl (2016-06-23) initialised: dm-devel@redhat.com

[ 4.675255] tegra194\_cpufreq\_probe: platform driver Initialization: pass

[ 4.680459] cpuidle: Initializing cpuidle driver

[ 4.692637] sdhci: Secure Digital Host Controller Interface driver

[ 4.692639] sdhci: Copyright(c) Pierre Ossman

[ 4.692658] sdhci-pltfm: SDHCI platform and OF driver helper

[ 4.694016] sdhci-tegra 3460000.sdhci: Client registration for eMC Successful

[ 4.695884] CMDQ: cmdq\_platfm\_init successful

[ 4.696396] sdhci-tegra 3400000.sdhci: Got CD GPIO

[ 4.697836] sdhci-tegra 3400000.sdhci: Client registration for eMC Successful

[ 4.699337] sdhci-tegra 3400000.sdhci: wakeup init done, cdirq 254

[ 4.703402] tegra-se-elp 3ad0000.se\_elp: tegra\_se\_elp\_probe: complete

[ 4.704393] tegra-se-nvhost 15810000.se: initialized

[ 4.705507] tegra-se-nvhost 15810000.se: tegra\_se\_probe: complete

[ 4.706125] tegra-se-nvhost 15820000.se: initialized

[ 4.707365] tegra-se-nvhost 15820000.se: tegra\_se\_probe: complete

[ 4.707899] tegra-se-nvhost 15830000.se: initialized

[ 4.708507] tegra-se-nvhost 15830000.se: tegra\_se\_probe: complete

[ 4.709100] tegra-se-nvhost 15840000.se: initialized

[ 4.710008] tegra-se-nvhost 15840000.se: tegra\_se\_probe: complete

[ 4.710255] hidraw: raw HID events driver (C) Jiri Kosina

[ 4.711462] usbcore: registered new interface driver usbhid

[ 4.711463] usbhid: USB HID core driver

[ 4.716792] tegra186-cam-rtcpu bc00000.rtcpu: deferring, 14800000.isp is not probed

[ 4.717837] tegra\_aon c1a0000.aon: tegra aon driver probe OK

[ 4.718379] tegra186-aondbg aondbg: aondbg driver probe() OK

[ 4.718955] denver\_knobs\_init:MTS\_VERSION:44201972

[ 4.719156] tegra19x\_actmon d230000.actmon: in actmon\_register()...

[ 4.719817] tegra19x\_actmon d230000.actmon: initialization Completed for the device mc\_all

[ 4.720278] t19x\_cache tegra-cache: probed

[ 4.726535] misc nvmap: cvsram :dma coherent mem declare 0x0000000050000000,4194304

[ 4.726545] misc nvmap: created heap cvsram base 0x0000000050000000 size (4096KiB)

[ 4.728598] nvpmodel: initialized successfully

[ 4.729747] tegra-hda 3510000.hda: Override SDO lines to 4

[ 4.729988] usbcore: registered new interface driver snd-usb-audio

[ 4.740135] mmc0: SDHCI controller on 3460000.sdhci [3460000.sdhci] using ADMA 64-bit with 64 bit addr

[ 4.748233] gpio tegra-gpio wake8 for gpio=55(G:7)

[ 4.748322] mmc1: SDHCI controller on 3400000.sdhci [3400000.sdhci] using ADMA 64-bit with 64 bit addr

[ 4.750202] input: tegra-hda-galen-t194 HDMI/DP,pcm=3 as /devices/3510000.hda/sound/card0/input0

[ 4.751490] input: tegra-hda-galen-t194 HDMI/DP,pcm=7 as /devices/3510000.hda/sound/card0/input1

[ 4.753848] input: tegra-hda-galen-t194 HDMI/DP,pcm=8 as /devices/3510000.hda/sound/card0/input2

[ 4.754102] input: tegra-hda-galen-t194 HDMI/DP,pcm=9 as /devices/3510000.hda/sound/card0/input3

[ 4.829916] mmc0: mmc\_decode\_ext\_csd: CMDQ supported: depth: 31, cmdq\_support: 1

[ 4.841450] mmc0: periodic cache flush enabled

[ 4.841479] mmc0: new HS400 Enhanced strobe MMC card at address 0001

[ 4.841984] mmcblk0: mmc0:0001 HBG4a2 29.1 GiB

[ 4.842179] mmcblk0boot0: mmc0:0001 HBG4a2 partition 1 8.00 MiB

[ 4.842398] mmcblk0boot1: mmc0:0001 HBG4a2 partition 2 8.00 MiB

[ 4.842660] mmcblk0rpmb: mmc0:0001 HBG4a2 partition 3 4.00 MiB

[ 4.845665] mmcblk0: p1 p2 p3 p4 p5 p6 p7 p8 p9 p10 p11 p12 p13 p14 p15 p16 p17 p18 p19 p20 p21 p22 p23 p24 p25 p26 p27 p28 p29 p30 p31 p32 p33 p34 p35 p36 p37

[ 5.463675] tegradc 15200000.nvdisplay: blank - powerdown

[ 5.463802] nct1008\_nct72 4-004c: !!!Found deprecated property!!!

[ 5.463805] nct1008\_nct72 4-004c: success parsing dt

[ 5.463948] nct1008\_nct72 4-004c: success in enabling tmp451 VDD rail

[ 5.496564] nct1008\_nct72 4-004c: LOC shutdown limit 107

[ 5.497643] nct1008\_nct72 4-004c: EXT shutdown limit 109

[ 5.506673] extcon-disp-state external-connection:disp-state: cable 48 state 0

[ 5.506675] Extcon AUX2(HDMI) disable

[ 5.530856] tegra\_nvdisp\_handle\_pd\_disable: Powergated Head1 pd

[ 5.531136] nct1008\_nct72 4-004c: initial LOC temp: 32000

[ 5.531655] tegra\_nvdisp\_handle\_pd\_disable: Powergated Head0 pd

[ 5.532034] nct1008\_nct72 4-004c: initial EXT temp: 45250

[ 5.532984] nct1008\_nct72 4-004c: hi\_b:-10, lo\_b:128

[ 5.533829] nct1008\_nct72 4-004c: nct1008\_probe: initialized

[ 5.542743] tegradc 15200000.nvdisplay: unblank

[ 5.543689] tegra\_nvdisp\_handle\_pd\_enable: Unpowergated Head0 pd

[ 5.543792] tegra\_nvdisp\_handle\_pd\_enable: Unpowergated Head1 pd

[ 5.545976] Parent Clock set for DC plld3

[ 5.551980] tegradc 15200000.nvdisplay: hdmi: tmds rate:148500K prod-setting:prod\_c\_hdmi\_111m\_223m

[ 5.553708] tegradc 15200000.nvdisplay: hdmi: get RGB quant from EDID.

[ 5.553719] tegradc 15200000.nvdisplay: hdmi: get YCC quant from EDID.

[ 5.557589] extcon-disp-state external-connection:disp-state: cable 48 state 1

[ 5.557592] Extcon AUX2(HDMI) enable

[ 6.554661] gpio tegra-gpio wake12 for gpio=149(S:5)

[ 6.646035] OPE platform probe

[ 6.646187] OPE platform probe successful

[ 6.776746] tegra-asoc: sound: ADMAIF1 <-> ADMAIF1 mapping ok

[ 6.776839] tegra-asoc: sound: ADMAIF2 <-> ADMAIF2 mapping ok

[ 6.776965] tegra-asoc: sound: ADMAIF3 <-> ADMAIF3 mapping ok

[ 6.777051] tegra-asoc: sound: ADMAIF4 <-> ADMAIF4 mapping ok

[ 6.777140] tegra-asoc: sound: ADMAIF5 <-> ADMAIF5 mapping ok

[ 6.777261] tegra-asoc: sound: ADMAIF6 <-> ADMAIF6 mapping ok

[ 6.777336] tegra-asoc: sound: ADMAIF7 <-> ADMAIF7 mapping ok

[ 6.777408] tegra-asoc: sound: ADMAIF8 <-> ADMAIF8 mapping ok

[ 6.777490] tegra-asoc: sound: ADMAIF9 <-> ADMAIF9 mapping ok

[ 6.777560] tegra-asoc: sound: ADMAIF10 <-> ADMAIF10 mapping ok

[ 6.777629] tegra-asoc: sound: ADMAIF11 <-> ADMAIF11 mapping ok

[ 6.777705] tegra-asoc: sound: ADMAIF12 <-> ADMAIF12 mapping ok

[ 6.777779] tegra-asoc: sound: ADMAIF13 <-> ADMAIF13 mapping ok

[ 6.777871] tegra-asoc: sound: ADMAIF14 <-> ADMAIF14 mapping ok

[ 6.777975] tegra-asoc: sound: ADMAIF15 <-> ADMAIF15 mapping ok

[ 6.778075] tegra-asoc: sound: ADMAIF16 <-> ADMAIF16 mapping ok

[ 6.778147] tegra-asoc: sound: ADMAIF17 <-> ADMAIF17 mapping ok

[ 6.778249] tegra-asoc: sound: ADMAIF18 <-> ADMAIF18 mapping ok

[ 6.778326] tegra-asoc: sound: ADMAIF19 <-> ADMAIF19 mapping ok

[ 6.778398] tegra-asoc: sound: ADMAIF20 <-> ADMAIF20 mapping ok

[ 6.822006] input: tegra-snd-t19x-mobile-rt565x Headset Jack as /devices/sound/sound/card1/input4

[ 6.823272] u32 classifier

[ 6.823274] Actions configured

[ 6.823328] Initializing XFRM netlink socket

[ 6.823935] NET: Registered protocol family 10

[ 6.824740] NET: Registered protocol family 17

[ 6.824752] NET: Registered protocol family 15

[ 6.824815] bridge: filtering via arp/ip/ip6tables is no longer available by default. Update your scripts to load br\_netfilter if you need this.

[ 6.824900] Bluetooth: RFCOMM socket layer initialized

[ 6.824927] Bluetooth: RFCOMM ver 1.11

[ 6.824932] Bluetooth: HIDP (Human Interface Emulation) ver 1.2

[ 6.824936] Bluetooth: HIDP socket layer initialized

[ 6.824949] 9pnet: Installing 9P2000 support

[ 6.824986] Key type dns\_resolver registered

[ 6.825191] Registered cp15\_barrier emulation handler

[ 6.825297] Registered setend emulation handler

[ 6.826527] registered taskstats version 1

[ 6.826992] pcie-tegra.c:nvidia,max-speed is 4 | NOTE: 1: Gen1, 2: Gen2, 3: Gen3

[ 6.826993] tegra-pcie-dw 14180000.pcie: Setting init speed to max speed

[ 6.827983] OF: PCI: host bridge /pcie@14180000 ranges:

[ 6.828008] OF: PCI: IO 0x38100000..0x381fffff -> 0x38100000

[ 6.828017] OF: PCI: MEM 0x38200000..0x39ffffff -> 0x38200000

[ 6.828025] OF: PCI: MEM 0x1800000000..0x1bffffffff -> 0x1800000000

[ 7.340266] tegra-pcie-dw 14180000.pcie: link is down

[ 7.340492] tegra-pcie-dw 14180000.pcie: PCI host bridge to bus 0000:00

[ 7.340498] pci\_bus 0000:00: root bus resource [bus 00-ff]

[ 7.340515] pci\_bus 0000:00: root bus resource [io 0x0000-0xfffff] (bus address [0x38100000-0x381fffff])

[ 7.340517] pci\_bus 0000:00: root bus resource [mem 0x38200000-0x39ffffff]

[ 7.340520] pci\_bus 0000:00: root bus resource [mem 0x1800000000-0x1bffffffff pref]

[ 7.340543] pci 0000:00:00.0: [10de:1ad0] type 01 class 0x060400

[ 7.340707] pci 0000:00:00.0: PME# supported from D0 D3hot D3cold

[ 7.340945] iommu: Adding device 0000:00:00.0 to group 61

[ 7.341271] pci 0000:00:00.0: PCI bridge to [bus 01-ff]

[ 7.341307] pci 0000:00:00.0: Max Payload Size set to 256/ 256 (was 256), Max Read Rq 512

[ 7.341580] pcieport 0000:00:00.0: Signaling PME through PCIe PME interrupt

[ 7.341584] pcie\_pme 0000:00:00.0:pcie001: service driver pcie\_pme loaded

[ 7.341693] aer 0000:00:00.0:pcie002: service driver aer loaded

[ 7.341844] pcie\_pme 0000:00:00.0:pcie001: unloading service driver pcie\_pme

[ 7.341914] aer 0000:00:00.0:pcie002: unloading service driver aer

[ 7.342000] pci\_bus 0000:01: busn\_res: [bus 01-ff] is released

[ 7.342061] iommu: Removing device 0000:00:00.0 from group 61

[ 7.342093] pci\_bus 0000:00: busn\_res: [bus 00-ff] is released

[ 7.342294] tegra-pcie-dw 14180000.pcie: PCIe link is not up...!

[ 7.342769] pcie-tegra.c:nvidia,max-speed is 2 | NOTE: 1: Gen1, 2: Gen2, 3: Gen3

[ 7.342769] tegra-pcie-dw 14100000.pcie: Setting init speed to max speed

[ 7.343564] OF: PCI: host bridge /pcie@14100000 ranges:

[ 7.343588] OF: PCI: IO 0x30100000..0x301fffff -> 0x30100000

[ 7.343600] OF: PCI: MEM 0x30200000..0x31ffffff -> 0x30200000

[ 7.343610] OF: PCI: MEM 0x1200000000..0x123fffffff -> 0x1200000000

[ 7.452162] tegra-pcie-dw 14100000.pcie: link is up

[ 7.452403] tegra-pcie-dw 14100000.pcie: PCI host bridge to bus 0001:00

[ 7.452407] pci\_bus 0001:00: root bus resource [bus 00-ff]

[ 7.452442] pci\_bus 0001:00: root bus resource [io 0x100000-0x1fffff] (bus address [0x30100000-0x301fffff])

[ 7.452445] pci\_bus 0001:00: root bus resource [mem 0x30200000-0x31ffffff]

[ 7.452447] pci\_bus 0001:00: root bus resource [mem 0x1200000000-0x123fffffff pref]

[ 7.452467] pci 0001:00:00.0: [10de:1ad2] type 01 class 0x060400

[ 7.452592] pci 0001:00:00.0: PME# supported from D0 D3hot D3cold

[ 7.452779] iommu: Adding device 0001:00:00.0 to group 61

[ 7.453182] pci 0001:01:00.0: [1b4b:9171] type 00 class 0x010601

[ 7.453287] pci 0001:01:00.0: reg 0x10: [io 0x8000-0x8007]

[ 7.453347] pci 0001:01:00.0: reg 0x14: [io 0x8040-0x8043]

[ 7.453407] pci 0001:01:00.0: reg 0x18: [io 0x8100-0x8107]

[ 7.453468] pci 0001:01:00.0: reg 0x1c: [io 0x8140-0x8143]

[ 7.453529] pci 0001:01:00.0: reg 0x20: [io 0x800000-0x80000f]

[ 7.453590] pci 0001:01:00.0: reg 0x24: [mem 0x00900000-0x009001ff]

[ 7.453651] pci 0001:01:00.0: reg 0x30: [mem 0xd0000000-0xd000ffff pref]

[ 7.453990] pci 0001:01:00.0: PME# supported from D3hot

[ 7.454255] iommu: Adding device 0001:01:00.0 to group 62

[ 7.464833] pci 0001:00:00.0: BAR 14: assigned [mem 0x30200000-0x302fffff]

[ 7.464836] pci 0001:00:00.0: BAR 13: assigned [io 0x100000-0x100fff]

[ 7.464844] pci 0001:01:00.0: BAR 6: assigned [mem 0x30200000-0x3020ffff pref]

[ 7.464847] pci 0001:01:00.0: BAR 5: assigned [mem 0x30210000-0x302101ff]

[ 7.464866] pci 0001:01:00.0: BAR 4: assigned [io 0x100000-0x10000f]

[ 7.464902] pci 0001:01:00.0: BAR 0: assigned [io 0x100010-0x100017]

[ 7.464921] pci 0001:01:00.0: BAR 2: assigned [io 0x100018-0x10001f]

[ 7.464940] pci 0001:01:00.0: BAR 1: assigned [io 0x100020-0x100023]

[ 7.464959] pci 0001:01:00.0: BAR 3: assigned [io 0x100024-0x100027]

[ 7.465003] pci 0001:00:00.0: PCI bridge to [bus 01-ff]

[ 7.465006] pci 0001:00:00.0: bridge window [io 0x100000-0x100fff]

[ 7.465011] pci 0001:00:00.0: bridge window [mem 0x30200000-0x302fffff]

[ 7.465025] pci 0001:00:00.0: Max Payload Size set to 256/ 256 (was 256), Max Read Rq 512

[ 7.465069] pci 0001:01:00.0: Max Payload Size set to 256/ 512 (was 128), Max Read Rq 512

[ 7.465395] pcieport 0001:00:00.0: Signaling PME through PCIe PME interrupt

[ 7.465398] pci 0001:01:00.0: Signaling PME through PCIe PME interrupt

[ 7.465401] pcie\_pme 0001:00:00.0:pcie001: service driver pcie\_pme loaded

[ 7.465520] aer 0001:00:00.0:pcie002: service driver aer loaded

[ 7.465778] ahci 0001:01:00.0: version 3.0

[ 7.466062] ahci 0001:01:00.0: AHCI 0001.0000 32 slots 1 ports 6 Gbps 0x1 impl SATA mode

[ 7.466095] ahci 0001:01:00.0: flags: 64bit ncq sntf led only pmp fbs pio slum part sxs

[ 7.466788] scsi host1: ahci

[ 7.466988] ata1: SATA max UDMA/133 abar m512@0x30210000 port 0x30210100 irq 563

[ 7.467103] pcie-tegra.c:nvidia,max-speed is 4 | NOTE: 1: Gen1, 2: Gen2, 3: Gen3

[ 7.467103] tegra-pcie-dw 14140000.pcie: Setting init speed to max speed

[ 7.467909] OF: PCI: host bridge /pcie@14140000 ranges:

[ 7.467940] OF: PCI: IO 0x34100000..0x341fffff -> 0x34100000

[ 7.467956] OF: PCI: MEM 0x34200000..0x35ffffff -> 0x34200000

[ 7.467967] OF: PCI: MEM 0x1280000000..0x12bfffffff -> 0x1280000000

[ 7.782654] ata1: SATA link down (SStatus 0 SControl 300)

[ 7.979470] tegra-pcie-dw 14140000.pcie: link is down

[ 7.979730] tegra-pcie-dw 14140000.pcie: PCI host bridge to bus 0003:00

[ 7.979738] pci\_bus 0003:00: root bus resource [bus 00-ff]

[ 7.979744] pci\_bus 0003:00: root bus resource [io 0x200000-0x2fffff] (bus address [0x34100000-0x341fffff])

[ 7.979746] pci\_bus 0003:00: root bus resource [mem 0x34200000-0x35ffffff]

[ 7.979749] pci\_bus 0003:00: root bus resource [mem 0x1280000000-0x12bfffffff pref]

[ 7.979773] pci 0003:00:00.0: [10de:1ad2] type 01 class 0x060400

[ 7.979935] pci 0003:00:00.0: PME# supported from D0 D3hot D3cold

[ 7.980228] iommu: Adding device 0003:00:00.0 to group 63

[ 7.980541] pci 0003:00:00.0: PCI bridge to [bus 01-ff]

[ 7.980563] pci 0003:00:00.0: Max Payload Size set to 256/ 256 (was 256), Max Read Rq 512

[ 7.980813] pcieport 0003:00:00.0: Signaling PME through PCIe PME interrupt

[ 7.980817] pcie\_pme 0003:00:00.0:pcie001: service driver pcie\_pme loaded

[ 7.980955] aer 0003:00:00.0:pcie002: service driver aer loaded

[ 7.981148] pcie\_pme 0003:00:00.0:pcie001: unloading service driver pcie\_pme

[ 7.981205] aer 0003:00:00.0:pcie002: unloading service driver aer

[ 7.981283] pci\_bus 0003:01: busn\_res: [bus 01-ff] is released

[ 7.981340] iommu: Removing device 0003:00:00.0 from group 63

[ 7.981366] pci\_bus 0003:00: busn\_res: [bus 00-ff] is released

[ 7.981569] tegra-pcie-dw 14140000.pcie: PCIe link is not up...!

[ 7.982462] pcie-tegra.c:nvidia,max-speed is 4 | NOTE: 1: Gen1, 2: Gen2, 3: Gen3

[ 7.982462] tegra-pcie-dw 141a0000.pcie: Setting init speed to max speed

[ 7.983596] OF: PCI: host bridge /pcie@141a0000 ranges:

[ 7.983627] OF: PCI: IO 0x3a100000..0x3a1fffff -> 0x3a100000

[ 7.983634] OF: PCI: MEM 0x3a200000..0x3bffffff -> 0x3a200000

[ 7.983638] OF: PCI: MEM 0x1c00000000..0x1fffffffff -> 0x1c00000000

[ 8.336882] extcon-disp-state external-connection:disp-state: cable 40 state 1

[ 8.344213] Extcon HDMI: HPD enabled

[ 8.347716] tegradc 15200000.nvdisplay: hdmi: plugged

[ 8.491712] tegra-pcie-dw 141a0000.pcie: link is down

[ 8.493352] tegra-pcie-dw 141a0000.pcie: PCI host bridge to bus 0005:00

[ 8.494615] pci\_bus 0005:00: root bus resource [bus 00-ff]

[ 8.495810] pci\_bus 0005:00: root bus resource [io 0x300000-0x3fffff] (bus address [0x3a100000-0x3a1fffff])

[ 8.497120] pci\_bus 0005:00: root bus resource [mem 0x3a200000-0x3bffffff]

[ 8.498360] pci\_bus 0005:00: root bus resource [mem 0x1c00000000-0x1fffffffff pref]

[ 8.499601] pci 0005:00:00.0: [10de:1ad0] type 01 class 0x060400

[ 8.499779] pci 0005:00:00.0: PME# supported from D0 D3hot D3cold

[ 8.500016] iommu: Adding device 0005:00:00.0 to group 63

[ 8.501482] pci 0005:00:00.0: PCI bridge to [bus 01-ff]

[ 8.502697] pci 0005:00:00.0: Max Payload Size set to 256/ 256 (was 256), Max Read Rq 512

[ 8.504193] pcieport 0005:00:00.0: Signaling PME through PCIe PME interrupt

[ 8.505440] pcie\_pme 0005:00:00.0:pcie001: service driver pcie\_pme loaded

[ 8.505569] aer 0005:00:00.0:pcie002: service driver aer loaded

[ 8.505766] pcie\_pme 0005:00:00.0:pcie001: unloading service driver pcie\_pme

[ 8.505809] aer 0005:00:00.0:pcie002: unloading service driver aer

[ 8.505880] pci\_bus 0005:01: busn\_res: [bus 01-ff] is released

[ 8.505958] iommu: Removing device 0005:00:00.0 from group 63

[ 8.507219] pci\_bus 0005:00: busn\_res: [bus 00-ff] is released

[ 8.507514] tegra-pcie-dw 141a0000.pcie: PCIe link is not up...!

[ 8.521758] tegra-cbb 14040000.cv-noc: noc\_secure\_irq = 98, noc\_nonsecure\_irq = 97>

[ 8.527891] tegra194-isp5 14800000.isp: initialized

[ 8.537985] tegra194-vi5 15c10000.vi: initialized

[ 8.544014] tegra194-vi5 15c10000.vi: ep of\_device is not enabled /host1x/vi@15c10000/ports/port@0/endpoint.

[ 8.545397] tegra194-vi5 15c10000.vi: ep of\_device is not enabled /host1x/vi@15c10000/ports/port@1/endpoint.

[ 8.547774] tegradc 15210000.nvdisplay: disp1 connected to head1->/host1x/sor

[ 8.549256] tegradc 15210000.nvdisplay: parse\_dp\_settings: No dp-lt-settings node

[ 8.549698] tegra-xusb 3610000.xhci: USB2 port 0 has OTG\_CAP

[ 8.549701] tegra-xusb 3610000.xhci: USB3 port 2 has OTG\_CAP

[ 8.552636] tegra-xusb 3610000.xhci: extcon 0: ffffffc3dab48800 id

[ 8.553293] tegra-xudc-new 3550000.xudc: PMQOS CPU boost enabled

[ 8.553334] tegra-xudc-new 3550000.xudc: device count: 1

[ 8.553429] tegra-xusb 3610000.xhci: Direct firmware load for tegra19x\_xusb\_firmware failed with error -2

[ 8.553432] tegra-xusb 3610000.xhci: Falling back to user helper

[ 8.554168] tegra-xudc-new 3550000.xudc: vbus state: 1

[ 8.554181] tegra-xudc-new 3550000.xudc: device mode on: 0

[ 8.554333] tegra-xudc-new 3550000.xudc: active: 0 => 1

[ 8.554338] tegra-xudc-new 3550000.xudc: Initialize boost\_cpufreq work

[ 8.555054] tegra186-cam-rtcpu bc00000.rtcpu: Trace buffer configured at IOVA=0xbff00000

[ 8.607902] tegradc 15210000.nvdisplay: DT parsed successfully

[ 8.614029] tegradc 15210000.nvdisplay: Display dc.ffffff800ff50000 registered with id=1

[ 8.622268] tegradc 15210000.nvdisplay: vblank syncpt # 15 for dc 1

[ 8.628268] tegra-ivc ivc-bc00000.rtcpu: region 0: iova=0xbfee0000-0xbfefffff size=131072

[ 8.628660] tegra-ivc ivc-bc00000.rtcpu:echo@0: echo: ver=0 grp=1 RX[16x64]=0x1000-0x1480 TX[16x64]=0x1480-0x1900

[ 8.628818] tegra-ivc ivc-bc00000.rtcpu:dbg@1: dbg: ver=0 grp=1 RX[1x384]=0x1900-0x1b00 TX[1x384]=0x1b00-0x1d00

[ 8.628971] tegra-ivc ivc-bc00000.rtcpu:dbg@2: dbg: ver=0 grp=1 RX[1x8192]=0x1d00-0x3d80 TX[1x8192]=0x3d80-0x5e00

[ 8.629345] tegra-ivc ivc-bc00000.rtcpu:ivccontrol@3: ivccontrol: ver=0 grp=1 RX[64x320]=0x5e00-0xae80 TX[64x320]=0xae80-0xff00

[ 8.629404] tegra-ivc ivc-bc00000.rtcpu:ivccapture@4: ivccapture: ver=0 grp=1 RX[512x64]=0xff00-0x17f80 TX[512x64]=0x17f80-0x20000

[ 8.629641] tegra186-cam-rtcpu bc00000.rtcpu: using cam RTCPU IRQ (69)

[ 8.629658] tegra186-cam-rtcpu bc00000.rtcpu: tegra\_camrtc\_mon\_create is successful

[ 8.630681] tegra186-cam-rtcpu bc00000.rtcpu: firmware version cpu=rce cmd=5 sha1=cf2bef3ad10e437272857b76308abef8ffb80bda

[ 8.631123] gpio tegra-gpio wake67 for gpio=48(G:0)

[ 8.631184] gpio tegra-gpio-aon wake29 for gpio=36(EE:4)

[ 8.631305] input: gpio-keys as /devices/gpio-keys/input/input5

[ 8.667621] tegra\_rtc c2a0000.rtc: setting system clock to 2000-01-01 01:08:08 UTC (946688888)

[ 8.668156] mmcblk mmc0:0001: Card claimed for testing.

[ 8.709587] bpmp: mounted debugfs mirror

[ 8.715320] vdd-1v8-cvb: disabling

[ 8.715324] vdd-1v8-sd: disabling

[ 8.715326] vdd-epb-1v0: disabling

[ 8.715334] avdd-cam-2v8: disabling

[ 8.715338] vdd-sata-1v5: disabling

[ 8.715340] vdd-3v3-slt: disabling

[ 8.715342] vdd-fan: disabling

[ 8.715344] vdd\_sys\_en: disabling

[ 8.715345] vdd-5v-sata: disabling

[ 8.715353] ALSA device list:

[ 8.715355] #0: tegra-hda-galen-t194 at 0x3518000 irq 68

[ 8.715356] #1: tegra-snd-t19x-mobile-rt565x

[ 8.793823] tegradc 15210000.nvdisplay: vpulse3 syncpt # 16 for dc 1

[ 8.801555] tegradc 15210000.nvdisplay: probed

[ 8.824992] tegradc 15210000.nvdisplay: fb registered

[ 8.829627] hpd: state 7 (Takeover from bootloader), hpd 0, pending\_hpd\_evt 1

[ 8.830968] hpd: switching from state 7 (Takeover from bootloader) to state 0 (Reset)

[ 8.832348] hpd: state 0 (Reset), hpd 0, pending\_hpd\_evt 0

[ 8.832399] tegradc 15220000.nvdisplay: disp2 connected to head2->/host1x/sor1

[ 8.832441] tegradc 15220000.nvdisplay: parse\_dp\_settings: No dp-lt-settings node

[ 8.832512] tegradc 15220000.nvdisplay: DT parsed successfully

[ 8.832556] tegradc 15220000.nvdisplay: Display dc.ffffff8011210000 registered with id=2

[ 8.832770] tegradc 15220000.nvdisplay: vblank syncpt # 17 for dc 2

[ 8.832773] tegradc 15220000.nvdisplay: vpulse3 syncpt # 18 for dc 2

[ 8.871790] tegradc 15210000.nvdisplay: blank - powerdown

[ 8.877117] extcon-disp-state external-connection:disp-state: cable 44 state 0 already set.

[ 8.885070] Extcon DP: HPD disabled

[ 8.889003] hpd: hpd\_switch 0

[ 8.891875] hpd: switching from state 0 (Reset) to state 1 (Check Plug)

[ 8.899003] hpd: state 1 (Check Plug), hpd 0, pending\_hpd\_evt 0

[ 8.904943] hpd: switching from state 1 (Check Plug) to state 3 (Disabled)

[ 8.912635] tegradc 15220000.nvdisplay: probed

[ 8.937508] tegradc 15220000.nvdisplay: fb registered

[ 8.942260] hpd: state 7 (Takeover from bootloader), hpd 0, pending\_hpd\_evt 1

[ 8.943559] hpd: switching from state 7 (Takeover from bootloader) to state 0 (Reset)

[ 8.944898] hpd: state 0 (Reset), hpd 0, pending\_hpd\_evt 0

[ 8.946167] tegradc 15220000.nvdisplay: blank - powerdown

[ 8.947426] extcon-disp-state external-connection:disp-state: cable 44 state 0 already set.

[ 8.955662] Extcon DP: HPD disabled

[ 8.959162] hpd: hpd\_switch 0

[ 8.962312] hpd: switching from state 0 (Reset) to state 1 (Check Plug)

[ 8.962344] EXT4-fs (mmcblk0p1): mounted filesystem with ordered data mode. Opts: (null)

[ 8.962364] VFS: Mounted root (ext4 filesystem) on device 179:1.

[ 8.963925] devtmpfs: mounted

[ 8.965478] Freeing unused kernel memory: 8512K

[ 8.990600] hpd: state 1 (Check Plug), hpd 0, pending\_hpd\_evt 0

[ 8.996452] hpd: switching from state 1 (Check Plug) to state 3 (Disabled)

[ 9.064992] systemd[1]: System time before build time, advancing clock.

[ 9.091642] ip\_tables: (C) 2000-2006 Netfilter Core Team

[ 9.095515] cgroup: cgroup2: unknown option "nsdelegate"

[ 9.103953] systemd[1]: systemd 237 running in system mode. (+PAM +AUDIT +SELINUX +IMA +APPARMOR +SMACK +SYSVINIT +UTMP +LIBCRYPTSETUP +GCRYPT +GNUTLS +ACL +XZ +LZ4 +SECCOMP +BLKID +ELFUTILS +KMOD -IDN2 +IDN -PCRE2 default-hierarchy=hybrid)

[ 9.107673] systemd[1]: Detected architecture arm64.

[ 9.124253] systemd[1]: Set hostname to <tegra-ubuntu>.

[ 9.128746] random: systemd: uninitialized urandom read (16 bytes read)

[ 9.130183] systemd[1]: Initializing machine ID from random generator.

[ 9.208351] systemd[1]: File /lib/systemd/system/systemd-journald.service:36 configures an IP firewall (IPAddressDeny=any), but the local system does not support BPF/cgroup based firewalling.

[ 9.210042] systemd[1]: Proceeding WITHOUT firewalling in effect! (This warning is only shown for the first loaded unit using IP firewalling.)

[ 9.345744] random: systemd: uninitialized urandom read (16 bytes read)

[ 9.352783] systemd[1]: Created slice System Slice.

[ 9.356542] random: systemd: uninitialized urandom read (16 bytes read)

[ 9.358106] systemd[1]: Reached target Slices.

[ 9.361771] systemd[1]: Listening on Journal Socket.

[ 9.368360] systemd[1]: Starting Create list of required static device nodes for the current kernel...

[ 9.404032] EXT4-fs (mmcblk0p1): re-mounted. Opts: (null)

[ 9.414409] gpio tegra-gpio wake44 for gpio=192(Y:0)

[ 9.667552] systemd-journald[2440]: Received request to flush runtime journal from PID 1

[ 9.805264] nvgpu: 17000000.gv11b nvgpu\_nvhost\_syncpt\_init:291 [INFO] syncpt\_unit\_base 60000000 syncpt\_unit\_size 400000 size 1000

[ 10.354015] tegra-xusb 3610000.xhci: cannot find firmware....retry after 1 second

[ 10.383662] bmi160 1-0069: nvs\_vregs\_init vdd err=-19

[ 10.387766] bmi160 1-0069: nvs\_vregs\_init vdd\_IO err=-19

[ 10.448700] tegra-i2c c240000.i2c: no acknowledge from address 0x69

[ 10.451159] bmi160 1-0069: bmi\_i2c\_rd ERR: 0x00

[ 10.453354] bmi160 1-0069: bmi\_init \_id\_i2c ERR

[ 10.456479] bmi160 1-0069: bmi\_remove

[ 10.456484] bmi160 1-0069: bmi\_probe done

[ 10.456661] bmi160 8-0069: nvs\_vregs\_init vdd err=-19

[ 10.460077] bmi160 8-0069: nvs\_vregs\_init vdd\_IO err=-19

[ 10.516511] tegra-i2c 31e0000.i2c: no acknowledge from address 0x69

[ 10.520858] bmi160 8-0069: bmi\_i2c\_rd ERR: 0x00

[ 10.524057] bmi160 8-0069: bmi\_init \_id\_i2c ERR

[ 10.526422] bmi160 8-0069: bmi\_remove

[ 10.526428] bmi160 8-0069: bmi\_probe done

[ 10.527073] random: crng init done

[ 10.529083] random: 7 urandom warning(s) missed due to ratelimiting

[ 11.374898] tegra-xusb 3610000.xhci: Firmware timestamp: 2018-03-29 14:24:42 UTC, Version: 60.05 release

[ 11.374938] tegra-xusb 3610000.xhci: xHCI Host Controller

[ 11.374961] tegra-xusb 3610000.xhci: new USB bus registered, assigned bus number 1

[ 11.376346] tegra-xusb 3610000.xhci: hcc params 0x0184ff25 hci version 0x110 quirks 0x00050810

[ 11.376376] tegra-xusb 3610000.xhci: irq 472, io mem 0x03610000

[ 11.376474] usb usb1: New USB device found, idVendor=1d6b, idProduct=0002

[ 11.376478] usb usb1: New USB device strings: Mfr=3, Product=2, SerialNumber=1

[ 11.376480] usb usb1: Product: xHCI Host Controller

[ 11.376482] usb usb1: Manufacturer: Linux 4.9.140+ xhci-hcd

[ 11.376483] usb usb1: SerialNumber: 3610000.xhci

[ 11.376945] hub 1-0:1.0: USB hub found

[ 11.376983] hub 1-0:1.0: 4 ports detected

[ 11.377378] tegra-xusb 3610000.xhci: xHCI Host Controller

[ 11.377386] tegra-xusb 3610000.xhci: new USB bus registered, assigned bus number 2

[ 11.377392] tegra-xusb 3610000.xhci: Host supports USB 3.1 Enhanced SuperSpeed

[ 11.377576] usb usb2: New USB device found, idVendor=1d6b, idProduct=0003

[ 11.377578] usb usb2: New USB device strings: Mfr=3, Product=2, SerialNumber=1

[ 11.377580] usb usb2: Product: xHCI Host Controller

[ 11.377582] usb usb2: Manufacturer: Linux 4.9.140+ xhci-hcd

[ 11.377583] usb usb2: SerialNumber: 3610000.xhci

[ 11.377872] hub 2-0:1.0: USB hub found

[ 11.377891] hub 2-0:1.0: 4 ports detected

[ 11.379259] Wake76 for irq=199

[ 11.379261] Wake77 for irq=199

[ 11.379262] Wake78 for irq=199

[ 11.379262] Wake79 for irq=199

[ 11.379263] Wake80 for irq=199

[ 11.379264] Wake81 for irq=199

[ 11.379267] Wake82 for irq=199

[ 11.480534] usb usb1: usb\_suspend\_both: status 0

[ 11.480809] usb usb2: usb\_suspend\_both: status 0

[ 13.380158] tegra-xusb 3610000.xhci: entering ELPG

[ 13.386678] tegra-xusb 3610000.xhci: entering ELPG done