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ebots@ebots-desktop:~$ 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) ) #1 SMP PREEMPT Wed Jul 10 17:55:27 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

[ 0.000008] sched\_clock: 56 bits at 31MHz, resolution 32ns, wraps every 4398046511088ns

[ 0.008873] Console: colour dummy device 80x25

[ 0.012429] console [tty0] enabled

[ 0.015883] bootconsole [tegra\_comb\_uart0] disabled

[ 0.020872] kmemleak: Kernel memory leak detector disabled

[ 0.020987] Calibrating delay loop (skipped), value calculated using timer frequency.. 62.50 BogoMIPS (lpj=125000)

[ 0.021037] pid\_max: default: 32768 minimum: 301

[ 0.022657] Security Framework initialized

[ 0.023459] Mount-cache hash table entries: 32768 (order: 6, 262144 bytes)

[ 0.023540] Mountpoint-cache hash table entries: 32768 (order: 6, 262144 bytes)

[ 0.025871] ftrace: allocating 46769 entries in 183 pages

[ 0.514109] sched-energy: Sched-energy-costs installed from DT

[ 0.514249] ASID allocator initialised with 65536 entries

[ 0.555834] tegra-id: chipid=21917.

[ 0.555904] tegra-id: opt\_subrevision=0.

[ 0.555979] Tegra Revision: A02 SKU: 0xd0 CPU Process: 0 SoC Process: 0

[ 0.556071] DTS File Name: ../arch/arm64/boot/dts/../../../../../../hardware/nvidia/platform/t19x/galen/kernel-dts/common/tegra194-p2888-0001-p2822-0000-common.dtsi

[ 0.556124] DTB Build time: Jul 10 2019 17:45:55

[ 0.607141] CPU1: Booted secondary processor [4e0f0040]

[ 0.639430] CPU2: Booted secondary processor [4e0f0040]

[ 0.671762] CPU3: Booted secondary processor [4e0f0040]

[ 0.704380] CPU4: Booted secondary processor [4e0f0040]

[ 0.736660] CPU5: Booted secondary processor [4e0f0040]

[ 0.769204] CPU6: Booted secondary processor [4e0f0040]

[ 0.805376] CPU7: Booted secondary processor [4e0f0040]

[ 0.806305] Brought up 8 CPUs

[ 0.806613] SMP: Total of 8 processors activated.

[ 0.806675] CPU features: detected feature: Privileged Access Never

[ 0.806714] CPU features: detected feature: LSE atomic instructions

[ 0.806752] CPU features: detected feature: User Access Override

[ 0.806790] CPU features: detected feature: 32-bit EL0 Support

[ 0.812073] CPU: All CPU(s) started at EL2

[ 0.812224] alternatives: patching kernel code

[ 0.825910] devtmpfs: initialized

[ 0.910626] Initilizing CustomIPI irq domain

[ 0.911202] clocksource: jiffies: mask: 0xffffffff max\_cycles: 0xffffffff, max\_idle\_ns: 7645041785100000 ns

[ 0.911262] futex hash table entries: 2048 (order: 5, 131072 bytes)

[ 0.913483] pinctrl core: initialized pinctrl subsystem

[ 0.913770] OS set in device tree is not L4T.

[ 0.914105] regulator-dummy: no parameters

[ 0.914417] Initializing plugin-manager

[ 0.914498] Plugin module not found

[ 0.914560] Plugin-manager status disabled

[ 0.916707] NET: Registered protocol family 16

[ 0.919323] pstore: using zlib compression

[ 0.920958] console [pstore-1] enabled

[ 0.920992] pstore: Registered ramoops as persistent store backend

[ 0.921031] ramoops: attached 0x200000@0xe8a00000, ecc: 0/0

[ 0.937176] cpuidle: using governor menu

[ 0.938966] bpmp: waiting for handshake

[ 0.939011] bpmp: handshake completed

[ 0.939061] bpmp: synchronizing channels

[ 0.939096] bpmp: channels synchronized

[ 0.939128] bpmp: mail init ok

[ 0.943723] t19x-arm-smmu 12000000.iommu: found 3 SMMUs and ISO SMMU id is 2

[ 0.944062] t19x-arm-smmu 12000000.iommu: probing hardware configuration...

[ 0.944157] t19x-arm-smmu 12000000.iommu: SMMUv2 with:

[ 0.944196] t19x-arm-smmu 12000000.iommu: stage 1 translation

[ 0.944235] t19x-arm-smmu 12000000.iommu: stage 2 translation

[ 0.944272] t19x-arm-smmu 12000000.iommu: nested translation

[ 0.944314] t19x-arm-smmu 12000000.iommu: stream matching with 128 register groups, mask 0x7f80

[ 0.944366] t19x-arm-smmu 12000000.iommu: SMMU address space size (0x800000) differs from mapped region size (0x1000000)!

[ 0.944420] t19x-arm-smmu 12000000.iommu: 64 context banks (0 stage-2 only)

[ 0.944463] t19x-arm-smmu 12000000.iommu: Stage-1: 39-bit VA -> 48-bit IPA

[ 0.944504] t19x-arm-smmu 12000000.iommu: Stage-2: 39-bit IPA -> 48-bit PA

[ 0.950652] vdso: 2 pages (1 code @ ffffff8008f37000, 1 data @ ffffff8009df4000)

[ 0.950936] hw-breakpoint: found 6 breakpoint and 4 watchpoint registers.

[ 0.955558] atomic\_pool\_init():622: DMA: preallocated 1024 KiB pool for atomic allocations

[ 0.957098] Registering BPMP clocks...

[ 0.957291] tegra\_bpmp\_clk\_init: clock init ok (395 clks)

[ 0.957881] tegra\_bpmp\_of\_clk\_init: EMC proxy not found.

[ 0.958380] tegra\_powergate\_init: DONE

[ 0.958554] DTS File Name: ../arch/arm64/boot/dts/../../../../../../hardware/nvidia/platform/t19x/galen/kernel-dts/common/tegra194-p2888-0001-p2822-0000-common.dtsi

[ 0.958641] DTB Build time: Jul 10 2019 17:45:55

[ 0.962832] Tegra reboot handler registered.

[ 0.973621] iommu: Adding device 141a0000.pcie\_ep to group 0

[ 0.974616] iommu: Adding device 14180000.pcie to group 1

[ 0.975662] iommu: Adding device 14100000.pcie to group 2

[ 0.976667] iommu: Adding device 14140000.pcie to group 3

[ 0.978669] iommu: Adding device 2490000.ether\_qos to group 4

[ 0.979420] iommu: Adding device 3100000.serial to group 5

[ 0.980214] iommu: Adding device 3110000.serial to group 6

[ 0.980837] iommu: Adding device 3140000.serial to group 7

[ 0.981731] tegra-pmc c360000.pmc: scratch reg offset dts data not present

[ 0.982015] tegra-pmc: get\_secure\_pmc\_setting: done secure\_pmc=0

[ 0.982097] tegra-pmc: ### PMC reset source: TEGRA\_SOFTWARE\_RESET

[ 0.982149] tegra-pmc: ### PMC reset level: TEGRA\_RESET\_LEVEL\_L1

[ 0.982203] tegra-pmc: ### PMC reset status reg: 0x2d

[ 0.982307] tegra-pmc: PMC Prod config success

[ 0.982616] padctrl padctrl.0: Pad control driver tegra-pmc-padctrl registered

[ 0.982710] tegra-pmc c360000.pmc: IO padctrl driver initialized

[ 0.983285] iommu: Adding device 3460000.sdhci to group 8

[ 0.984099] iommu: Adding device 3400000.sdhci to group 9

[ 0.984912] iommu: Adding device 2450000.ufshci to group 10

[ 0.985742] iommu: Adding device c260000.spi to group 11

[ 0.986878] iommu: Adding device 3160000.i2c to group 12

[ 0.987491] iommu: Adding device c240000.i2c to group 13

[ 0.988127] iommu: Adding device 3180000.i2c to group 14

[ 0.988695] iommu: Adding device 3190000.i2c to group 15

[ 0.989620] iommu: Adding device 31b0000.i2c to group 16

[ 0.990242] iommu: Adding device 31c0000.i2c to group 17

[ 0.990856] iommu: Adding device c250000.i2c to group 18

[ 0.991474] iommu: Adding device 31e0000.i2c to group 19

[ 0.992585] iommu: Adding device sound to group 20

[ 0.993382] iommu: Adding device 3510000.hda to group 21

[ 0.994227] iommu: Adding device bc00000.rtcpu to group 22

[ 0.997280] iommu: Adding device 13e10000.host1x to group 23

[ 0.998005] iommu: Adding device 13e10000.host1x:ctx0 to group 24

[ 0.998698] iommu: Adding device 13e10000.host1x:ctx1 to group 25

[ 0.999277] iommu: Adding device 13e10000.host1x:ctx2 to group 26

[ 0.999888] iommu: Adding device 13e10000.host1x:ctx3 to group 27

[ 1.000488] iommu: Adding device 13e10000.host1x:ctx4 to group 28

[ 1.001076] iommu: Adding device 13e10000.host1x:ctx5 to group 29

[ 1.001709] iommu: Adding device 13e10000.host1x:ctx6 to group 30

[ 1.002295] iommu: Adding device 13e10000.host1x:ctx7 to group 31

[ 1.003168] iommu: Adding device 15340000.vic to group 32

[ 1.003765] iommu: Adding device 15380000.nvjpg to group 33

[ 1.004206] iommu: Adding device 15500000.tsec to group 34

[ 1.004641] iommu: Adding device 15100000.tsecb to group 35

[ 1.005135] iommu: Adding device 15480000.nvdec to group 36

[ 1.005581] iommu: Adding device 15140000.nvdec1 to group 37

[ 1.006076] iommu: Adding device 154c0000.nvenc to group 38

[ 1.006546] iommu: Adding device 15a80000.nvenc1 to group 39

[ 1.007212] iommu: Adding device 15880000.nvdla0 to group 40

[ 1.007839] iommu: Adding device 158c0000.nvdla1 to group 41

[ 1.008681] iommu: Adding device 15200000.nvdisplay to group 42

[ 1.009075] platform 15200000.nvdisplay: IOVA linear map 0x00000000a0697000(800000)

[ 1.009159] platform 15200000.nvdisplay: IOVA linear map 0x00000000a0693000(3000)

[ 1.010442] platform 15200000.nvdisplay: IOVA linear map 0x00000000f0000000(8000000)

[ 1.010512] t19x-arm-smmu: Adding 15200000.nvdisplay to ISO SMMU client

[ 1.011115] iommu: Adding device 15210000.nvdisplay to group 43

[ 1.011262] t19x-arm-smmu: Adding 15210000.nvdisplay to ISO SMMU client

[ 1.011865] iommu: Adding device 15220000.nvdisplay to group 44

[ 1.011965] t19x-arm-smmu: Adding 15220000.nvdisplay to ISO SMMU client

[ 1.014842] iommu: Adding device 15c10000.vi to group 45

[ 1.015126] t19x-arm-smmu: Adding 15c10000.vi to ISO SMMU client

[ 1.015752] iommu: Adding device 14800000.isp to group 46

[ 1.017712] iommu: Adding device 16000000.pva0 to group 47

[ 1.018534] iommu: Adding device 16800000.pva1 to group 48

[ 1.019167] iommu: Adding device 15810000.se to group 49

[ 1.019848] iommu: Adding device 15820000.se to group 50

[ 1.020288] iommu: Adding device 15830000.se to group 51

[ 1.020822] iommu: Adding device 15840000.se to group 52

[ 1.021264] iommu: Adding device c1a0000.aon to group 53

[ 1.023531] iommu: Adding device d000000.bpmp to group 54

[ 1.024097] bpmp: ping status is 0

[ 1.024300] bpmp d000000.bpmp: firmware tag is 1c1b2165fe52a0a54ad7caf60d40cdc3

[ 1.028452] bpmp d000000.bpmp: probe ok

[ 1.030669] tegra-reset 0.bpmp\_reset: registered 186 resets.

[ 1.031389] iommu: Adding device smmu\_test to group 55

[ 1.032933] mc: mapped MMIO address: 0xffffff800a540000 -> 0x2c10000

[ 1.033024] mc: mapped MMIO address: 0xffffff800a560000 -> 0x2c20000

[ 1.033107] mc: mapped MMIO address: 0xffffff800a580000 -> 0x2c30000

[ 1.033186] mc: mapped MMIO address: 0xffffff800a5a0000 -> 0x2c40000

[ 1.033263] mc: mapped MMIO address: 0xffffff800a5c0000 -> 0x2c50000

[ 1.033342] mc: mapped MMIO address: 0xffffff800a5e0000 -> 0x2b80000

[ 1.033420] mc: mapped MMIO address: 0xffffff800a7b0000 -> 0x2b90000

[ 1.033498] mc: mapped MMIO address: 0xffffff800a7d0000 -> 0x2ba0000

[ 1.033579] mc: mapped MMIO address: 0xffffff800b010000 -> 0x2bb0000

[ 1.033658] mc: mapped MMIO address: 0xffffff800b030000 -> 0x1700000

[ 1.033735] mc: mapped MMIO address: 0xffffff800b050000 -> 0x1710000

[ 1.033812] mc: mapped MMIO address: 0xffffff800b070000 -> 0x1720000

[ 1.033891] mc: mapped MMIO address: 0xffffff800b090000 -> 0x1730000

[ 1.033982] mc: mapped MMIO address: 0xffffff800b0b0000 -> 0x1740000

[ 1.034062] mc: mapped MMIO address: 0xffffff800b0d0000 -> 0x1750000

[ 1.034141] mc: mapped MMIO address: 0xffffff800b0f0000 -> 0x1760000

[ 1.034225] mc: mapped MMIO address: 0xffffff800b110000 -> 0x1770000

[ 1.034388] mc-err: mcerr ops are set to t19x

[ 1.043337] iommu: Adding device 2600000.dma to group 56

[ 1.052264] GPIO line 490 (pcie-reg-enable) hogged as output/high

[ 1.052357] GPIO line 289 (pcie-reg-enable) hogged as output/high

[ 1.052449] GPIO line 339 (wifi-enable) hogged as output/high

[ 1.053044] gpiochip\_setup\_dev: registered GPIOs 288 to 511 on device: gpiochip0 (tegra-gpio)

[ 1.063166] GPIO line 253 (pex-refclk-sel-high) hogged as output/high

[ 1.063763] gpiochip\_setup\_dev: registered GPIOs 248 to 287 on device: gpiochip1 (tegra-gpio-aon)

[ 1.066745] tegra186-aowake c370000.pmc: WAKE\_AOWAKE\_CTRL\_0 = 3

[ 1.066808] tegra186-aowake c370000.pmc: WAKE\_AOWAKE\_CNTRL\_24(PMU\_INT) = 256

[ 1.068018] iommu: Adding device 3550000.xudc to group 57

[ 1.069153] iommu: Adding device 3610000.xhci to group 58

[ 1.072710] arm64\_ras arm64\_ras: probed

[ 1.073457] ras\_fhi\_enable: FHI 476 enabled on CPU0

[ 1.073616] ras\_fhi\_enable: FHI 477 enabled on CPU1

[ 1.073944] ras\_fhi\_enable: FHI 478 enabled on CPU2

[ 1.074077] ras\_fhi\_enable: FHI 479 enabled on CPU3

[ 1.074193] ras\_fhi\_enable: FHI 480 enabled on CPU4

[ 1.074310] ras\_fhi\_enable: FHI 481 enabled on CPU5

[ 1.074415] ras\_fhi\_enable: FHI 482 enabled on CPU6

[ 1.074549] ras\_fhi\_enable: FHI 483 enabled on CPU7

[ 1.074857] carmel\_ras\_enable: RAS enabled on cpu0

[ 1.075156] carmel\_ras\_enable: RAS enabled on cpu1

[ 1.075461] carmel\_ras\_enable: RAS enabled on cpu2

[ 1.075752] carmel\_ras\_enable: RAS enabled on cpu3

[ 1.076036] carmel\_ras\_enable: RAS enabled on cpu4

[ 1.076289] carmel\_ras\_enable: RAS enabled on cpu5

[ 1.076597] carmel\_ras\_enable: RAS enabled on cpu6

[ 1.076889] carmel\_ras\_enable: RAS enabled on cpu7

[ 1.077069] carmel\_ras carmel\_ras: probed

[ 1.078854] tegra-cbb 2300000.cbb-noc: noc\_secure\_irq = 485, noc\_nonsecure\_irq = 484>

[ 1.079807] tegra-cbb c600000.aon-noc: noc\_secure\_irq = 487, noc\_nonsecure\_irq = 486>

[ 1.081147] tegra-cbb d600000.bpmp-noc: noc\_secure\_irq = 489, noc\_nonsecure\_irq = 488>

[ 1.082433] tegra-cbb be00000.rce-noc: noc\_secure\_irq = 491, noc\_nonsecure\_irq = 490>

[ 1.083725] tegra-cbb b600000.sce-noc: noc\_secure\_irq = 493, noc\_nonsecure\_irq = 492>

[ 1.084309] tegra-cbb 14040000.cv-noc: defer probe as CV-NOC not probed yet

[ 1.087963] vdd-3v3-cvb: 3300 mV

[ 1.088424] vdd-1v8-cvb: 1800 mV

[ 1.089004] vdd-1v8-sd: 1800 mV

[ 1.089631] vdd-epb-1v0: supplied by vdd-3v3-cvb

[ 1.089728] vdd-epb-1v0: 1000 mV

[ 1.090277] vdd-sdmmc1-sw: 3300 mV

[ 1.090791] avdd-cam-2v8: 2800 mV

[ 1.091234] vdd-sata-1v5: 1500 mV

[ 1.091640] vdd-1v8-slt: 1800 mV

[ 1.092072] vdd-3v3-slt: 3300 mV

[ 1.092556] vdd-fan: 5000 mV

[ 1.093050] vdd-hdmi-5v0: 5000 mV

[ 1.093633] vdd\_sys\_en: 1200 mV

[ 1.094245] vdd-5v-sata: 5000 mV

[ 1.094807] vdd-ac-bat: 5000 mV

[ 1.095105] vdd-5v-sata: supplied by vdd-ac-bat

[ 1.131401] HugeTLB registered 2 MB page size, pre-allocated 0 pages

[ 1.137221] eventlib\_kernel: keventlib is initialized, test id: 0

[ 1.137701] SCSI subsystem initialized

[ 1.138167] libata version 3.00 loaded.

[ 1.138465] usbcore: registered new interface driver usbfs

[ 1.138601] usbcore: registered new interface driver hub

[ 1.138788] usbcore: registered new device driver usb

[ 1.152703] tegra-i2c 31e0000.i2c: could not find pctldev for node /host1x/dpaux@155F0000/pinmux@0, deferring probe

[ 1.156304] max77620 4-003c: PMIC Version OTP:0x51 and ES:0x1

[ 1.165997] vdd-1v0: at 1000 mV

[ 1.170080] vdd-1v8-hs: at 1800 mV

[ 1.174089] vdd-1v8-ls: at 1800 mV

[ 1.178143] vdd-1v8-ao: at 1800 mV

[ 1.186439] vddio-ddr-1v1: at 1100 mV

[ 1.192614] vdd-rtc: at 800 mV

[ 1.194162] spmic-ldo1: at 2375 mV

[ 1.200830] vdd-ao-3v3: at 3300 mV

[ 1.208927] vddio-emmc-3v3: at 3300 mV

[ 1.210599] spmic-ldo4: at 1587 mV

[ 1.217009] vdd-usb-3v3: at 3300 mV

[ 1.225118] vddio-sdmmc1-3v3: at 3300 mV

[ 1.229187] vdd-csi-1v2: at 1200 mV

[ 1.231089] spmic-ldo8: at 1800 mV

[ 1.233747] GPIO line 246 (gpio\_default) hogged as output/high

[ 1.235176] GPIO line 247 (gpio\_default) hogged as output/high

[ 1.235796] gpiochip\_setup\_dev: registered GPIOs 240 to 247 on device: gpiochip2 (max77620-gpio)

[ 1.239693] max77620 4-003c: max77620 probe successful

[ 1.240529] media: Linux media interface: v0.10

[ 1.240653] Linux video capture interface: v2.00

[ 1.242585] pps\_core: LinuxPPS API ver. 1 registered

[ 1.242641] pps\_core: Software ver. 5.3.6 - Copyright 2005-2007 Rodolfo Giometti <giometti@linux.it>

[ 1.242758] PTP clock support registered

[ 1.243569] tegra\_wdt\_t18x 30c0000.watchdog: Tegra WDT init timeout = 120 sec

[ 1.243672] tegra\_wdt\_t18x 30c0000.watchdog: Registered successfully

[ 1.245335] tegra\_fiq\_debugger\_init: found FIQ source (IRQ 468)

[ 1.247657] Advanced Linux Sound Architecture Driver Initialized.

[ 1.248362] Bluetooth: Core ver 2.22

[ 1.248460] NET: Registered protocol family 31

[ 1.248506] Bluetooth: HCI device and connection manager initialized

[ 1.248573] Bluetooth: HCI socket layer initialized

[ 1.248633] Bluetooth: L2CAP socket layer initialized

[ 1.248715] Bluetooth: SCO socket layer initialized

[ 1.252318] camchar: rtcpu character device driver loaded

[ 1.254346] clocksource: Switched to clocksource arch\_sys\_counter

[ 1.314570] VFS: Disk quotas dquot\_6.6.0

[ 1.314780] VFS: Dquot-cache hash table entries: 512 (order 0, 4096 bytes)

[ 1.315371] nvmap\_heap\_init: nvmap\_heap\_init: created heap block cache

[ 1.317674] tegra-carveouts tegra-carveouts: assigned reserved memory node grid-of-semaphores

[ 1.317850] tegra-carveouts tegra-carveouts: vpr :dma coherent mem declare 0x00000000f0000000,134217728

[ 1.317934] nvmap: nvmap\_select\_cache\_ops() nvmap cache ops set to scf

[ 1.317999] nvmap\_page\_pool\_init: Total RAM pages: 4015132

[ 1.318050] nvmap\_page\_pool\_init: nvmap page pool size: 501891 pages (1960 MB)

[ 1.318499] nvmap\_background\_zero\_thread: PP zeroing thread starting.

[ 1.319117] misc nvmap: created heap vpr base 0x00000000f0000000 size (131072KiB)

[ 1.321024] tegra-gpcdma 2600000.dma: GPC DMA driver register 31 channels

[ 1.339123] thermal thermal\_zone0: Registering thermal zone thermal\_zone0 for type CPU-therm

[ 1.339558] thermal thermal\_zone1: Registering thermal zone thermal\_zone1 for type GPU-therm

[ 1.339953] thermal thermal\_zone2: Registering thermal zone thermal\_zone2 for type AUX-therm

[ 1.340321] thermal thermal\_zone3: Registering thermal zone thermal\_zone3 for type AO-therm

[ 1.340921] thermal thermal\_zone4: Registering thermal zone thermal\_zone4 for type Tdiode\_tegra

[ 1.341314] thermal thermal\_zone5: Registering thermal zone thermal\_zone5 for type PMIC-Die

[ 1.341542] thermal thermal\_zone6: Registering thermal zone thermal\_zone6 for type Tboard\_tegra

[ 1.343057] la/ptsa driver initialized.

[ 1.343617] NET: Registered protocol family 2

[ 1.344837] TCP established hash table entries: 131072 (order: 8, 1048576 bytes)

[ 1.345719] TCP bind hash table entries: 65536 (order: 8, 1048576 bytes)

[ 1.346664] TCP: Hash tables configured (established 131072 bind 65536)

[ 1.346793] UDP hash table entries: 8192 (order: 6, 262144 bytes)

[ 1.347151] UDP-Lite hash table entries: 8192 (order: 6, 262144 bytes)

[ 1.347953] NET: Registered protocol family 1

[ 1.349115] RPC: Registered named UNIX socket transport module.

[ 1.349177] RPC: Registered udp transport module.

[ 1.349248] RPC: Registered tcp transport module.

[ 1.349301] RPC: Registered tcp NFSv4.1 backchannel transport module.

[ 1.349364] PCI: CLS 0 bytes, default 64

[ 1.349588] Trying to unpack rootfs image as initramfs...

[ 1.374040] random: fast init done

[ 1.379417] host1x 13e10000.host1x: initialized

[ 1.382928] hw perfevents: enabled with armv8\_pmuv3 PMU driver, 7 counters available

[ 1.390069] audit: initializing netlink subsys (disabled)

[ 1.390198] audit: type=2000 audit(0.924:1): initialized

[ 1.391387] workingset: timestamp\_bits=46 max\_order=22 bucket\_order=0

[ 1.404860] squashfs: version 4.0 (2009/01/31) Phillip Lougher

[ 1.406808] ntfs: driver 2.1.32 [Flags: R/W].

[ 1.407929] 9p: Installing v9fs 9p2000 file system support

[ 1.415570] Block layer SCSI generic (bsg) driver version 0.4 loaded (major 240)

[ 1.415898] io scheduler noop registered

[ 1.416299] io scheduler cfq registered (default)

[ 1.421060] gic 2a41000.agic-controller: GIC IRQ controller registered

[ 1.461433] iommu: Adding device 2993000.adsp to group 59

[ 1.565632] iommu: Adding device aconnect@2a41000:adsp\_audio to group 60

[ 1.566859] tegra-aconnect aconnect@2a41000: Tegra ACONNECT bus registered

[ 1.584008] tegra-pwm c340000.pwm: PWM clk can sleep in ops

[ 1.584777] tegra-pwm 32c0000.pwm: PWM clk can sleep in ops

[ 1.585343] tegra-pwm 32f0000.pwm: PWM clk can sleep in ops

[ 1.589414] tegra\_camera\_platform tegra-camera-platform: tegra\_camera\_probe:camera\_platform\_driver probe

[ 1.589775] misc tegra\_camera\_ctrl: tegra\_camera\_isomgr\_register tpg\_max\_iso = 3916800KBs

[ 1.589858] misc tegra\_camera\_ctrl: tegra\_camera\_isomgr\_register isp\_iso\_bw=4687500, vi\_iso\_bw=2000000, max\_bw=4687500

[ 1.594796] tsec 15500000.tsec: initialized

[ 1.597273] tsec 15100000.tsecb: initialized

[ 1.603221] nvdec 15480000.nvdec: initialized

[ 1.607238] nvdec 15140000.nvdec1: initialized

[ 1.614537] falcon 15340000.vic: initialized

[ 1.617081] falcon 15380000.nvjpg: initialized

[ 1.619616] falcon 154c0000.nvenc: initialized

[ 1.621987] falcon 15a80000.nvenc1: initialized

[ 1.625438] iommu\_context\_dev 13e10000.host1x:ctx0: initialized (streamid=56)

[ 1.628144] iommu\_context\_dev 13e10000.host1x:ctx1: initialized (streamid=57)

[ 1.630895] iommu\_context\_dev 13e10000.host1x:ctx2: initialized (streamid=58)

[ 1.633534] iommu\_context\_dev 13e10000.host1x:ctx3: initialized (streamid=59)

[ 1.636248] iommu\_context\_dev 13e10000.host1x:ctx4: initialized (streamid=60)

[ 1.639002] iommu\_context\_dev 13e10000.host1x:ctx5: initialized (streamid=61)

[ 1.641476] iommu\_context\_dev 13e10000.host1x:ctx6: initialized (streamid=62)

[ 1.643573] iommu\_context\_dev 13e10000.host1x:ctx7: initialized (streamid=63)

[ 1.648082] t194-nvcsi 15a00000.nvcsi: initialized

[ 1.655144] scare-pigeon 13e10000.host1x:vi-thi@15f00000: initialized

[ 1.655743] scare-pigeon 14b00000.isp-thi: initialized

[ 1.666604] pva 16000000.pva0: initialized

[ 1.698749] pva 16800000.pva1: initialized

[ 1.730061] nvdla 15880000.nvdla0: initialized

[ 1.761415] nvdla 158c0000.nvdla1: initialized

[ 1.765915] tegra-slvs-ec 15ac0000.slvs-ec: initialized

[ 1.766216] tegra-slvs-ec 15ac0000.slvs-ec: no streams defined

[ 1.766269] tegra-slvs-ec 15ac0000.slvs-ec: failed to init SLVS media controller (-19)

[ 1.766404] tegra-slvs-ec 15ac0000.slvs-ec: probed

[ 1.767876] tegradccommon 15200000.dc\_common: host1x channel mapped

[ 1.767942] tegradccommon 15200000.dc\_common: dc\_common syncpt # 1 allocated

[ 1.768045] tegradccommon 15200000.dc\_common: dma mapping done

[ 1.769472] tegradc 15200000.nvdisplay: disp0 connected to head0->/host1x/sor2

[ 1.769638] generic\_infoframe\_type: 0x87

[ 1.769817] tegradc 15200000.nvdisplay: DT parsed successfully

[ 1.769904] tegradc 15200000.nvdisplay: Display dc.ffffff800bd10000 registered with id=0

[ 1.777315] tegra\_nvdisp\_bandwidth\_register\_max\_config: max config iso bw = 15681600 KB/s

[ 1.777395] tegra\_nvdisp\_bandwidth\_register\_max\_config: max config EMC floor = 1066500000 Hz

[ 1.777461] tegra\_nvdisp\_bandwidth\_register\_max\_config: max config hubclk = 358400000 Hz

[ 1.777852] tegradc 15200000.nvdisplay: vblank syncpt # 8 for dc 0

[ 1.777909] tegradc 15200000.nvdisplay: vpulse3 syncpt # 9 for dc 0

[ 1.779839] tegradc 15200000.nvdisplay: Bootloader disp\_param detected. Detected mode: 1920x1080 (on 0x0mm) pclk=148350937

[ 1.781718] tegra-adma 2930000.adma: Tegra210 ADMA driver registered 16 channels

[ 1.783106] tegra-fuse-burn 3820000.efuse:efuse-burn: Fuse burn driver initialized

[ 1.783882] kfuse 3830000.kfuse: initialized

[ 1.784799] tegradc 15200000.nvdisplay: hdmi: invalid prod list prod\_list\_hdmi\_board

[ 1.784874] tegradc 15200000.nvdisplay: hdmi: tegra\_hdmi\_tmds\_range\_read(bd) failed

[ 1.790142] tegradc 15200000.nvdisplay: probed

[ 1.794860] Serial: 8250/16550 driver, 4 ports, IRQ sharing disabled

[ 1.798995] 3100000.serial: ttyTHS0 at MMIO 0x3100000 (irq = 49, base\_baud = 0) is a TEGRA\_UART

[ 1.800530] 3110000.serial: ttyTHS1 at MMIO 0x3110000 (irq = 50, base\_baud = 0) is a TEGRA\_UART

[ 1.801823] 3140000.serial: ttyTHS4 at MMIO 0x3140000 (irq = 51, base\_baud = 0) is a TEGRA\_UART

[ 4.268564] console [ttyTCU0] enabled

[ 4.269276] [drm] Initialized

[ 4.269289] Console: switching to colour frame buffer device 240x67

[ 4.281904] tegradc 15200000.nvdisplay: fb registered

[ 4.287231] gpio tegra-gpio wake71 for gpio=98(M:2)

[ 4.288004] brd: module loaded

[ 4.295448] tegra\_nvdisp\_handle\_pd\_enable: Unpowergated Head0 pd

[ 4.295464] loop: module loaded

[ 4.295578] tegra\_profiler: version: 1.132, samples/io: 46/26

[ 4.295756] tegra\_profiler: auth: init

[ 4.296335] nct1008\_nct72 4-004c: starting parse dt

[ 4.296467] nct1008\_nct72 4-004c: !!!Found deprecated property!!!

[ 4.296476] nct1008\_nct72 4-004c: success parsing dt

[ 4.296697] nct1008\_nct72 4-004c: success in enabling tmp451 VDD rail

[ 4.297081] THERMAL EST: found 3 subdevs

[ 4.297085] THERMAL EST num\_resources: 0

[ 4.297097] [THERMAL EST subdev 0]

[ 4.297103] [THERMAL EST subdev 1]

[ 4.297107] [THERMAL EST subdev 2]

[ 4.297556] thermal thermal\_zone7: Registering thermal zone thermal\_zone7 for type thermal-fan-est

[ 4.297558] THERMAL EST: thz register success.

[ 4.297721] THERMAL EST: end of probe, return err: 0

[ 4.298825] ufs\_tegra 2450000.ufshci: freq-table-hz property not specified

[ 4.298834] ufs\_tegra 2450000.ufshci: ufshcd\_populate\_vreg: Unable to find vdd-hba-supply regulator, assuming enabled

[ 4.299789] ufs\_tegra 2450000.ufshci: wakeup init done, cdirq 458

[ 4.299800] gpio tegra-gpio-aon wake25 for gpio=32(EE:0)

[ 4.313216] scsi host0: ufshcd

[ 4.323314] hisi\_sas: driver version v1.6

[ 4.329293] nct1008\_nct72 4-004c: LOC shutdown limit 107

[ 4.330428] libphy: Fixed MDIO Bus: probed

[ 4.331080] nct1008\_nct72 4-004c: EXT shutdown limit 109

[ 4.331123] tun: Universal TUN/TAP device driver, 1.6

[ 4.331126] tun: (C) 1999-2004 Max Krasnyansky <maxk@qualcomm.com>

[ 4.332120] e1000e: Intel(R) PRO/1000 Network Driver - 3.2.6-k

[ 4.332123] e1000e: Copyright(c) 1999 - 2015 Intel Corporation.

[ 4.332167] igb: Intel(R) Gigabit Ethernet Network Driver - version 5.4.0-k

[ 4.332169] igb: Copyright (c) 2007-2014 Intel Corporation.

[ 4.332210] igbvf: Intel(R) Gigabit Virtual Function Network Driver - version 2.4.0-k

[ 4.332212] igbvf: Copyright (c) 2009 - 2012 Intel Corporation.

[ 4.332278] Intel(R) 10GbE PCI Express Linux Network Driver - version 4.6.4

[ 4.332280] Copyright(c) 1999 - 2017 Intel Corporation.

[ 4.333898] eqos 2490000.ether\_qos: no PHY interrupt found

[ 4.337833] eqos 2490000.ether\_qos: Setting local MAC: 0 4 4b cb 92 4c

[ 4.337951] libphy: dwc\_phy: probed

[ 4.340919] PPP generic driver version 2.4.2

[ 4.341167] PPP BSD Compression module registered

[ 4.341171] PPP Deflate Compression module registered

[ 4.341190] PPP MPPE Compression module registered

[ 4.341197] NET: Registered protocol family 24

[ 4.341259] usbcore: registered new interface driver r8152

[ 4.341320] usbcore: registered new interface driver asix

[ 4.341365] usbcore: registered new interface driver ax88179\_178a

[ 4.341407] usbcore: registered new interface driver cdc\_ether

[ 4.341446] usbcore: registered new interface driver net1080

[ 4.341488] usbcore: registered new interface driver cdc\_subset

[ 4.341530] usbcore: registered new interface driver zaurus

[ 4.341583] usbcore: registered new interface driver cdc\_ncm

[ 4.341843] VFIO - User Level meta-driver version: 0.3

[ 4.343601] ehci\_hcd: USB 2.0 'Enhanced' Host Controller (EHCI) Driver

[ 4.343621] ehci-pci: EHCI PCI platform driver

[ 4.343674] ohci\_hcd: USB 1.1 'Open' Host Controller (OHCI) Driver

[ 4.343714] ohci-pci: OHCI PCI platform driver

[ 4.343768] ohci-platform: OHCI generic platform driver

[ 4.352604] tegra-xusb 3610000.xhci: USB2 port 0 has OTG\_CAP

[ 4.352609] tegra-xusb 3610000.xhci: USB3 port 2 has OTG\_CAP

[ 4.356083] Could not get extcon-dev /xhci@3610000:id(0)

[ 4.359649] usbcore: registered new interface driver uas

[ 4.359741] usbcore: registered new interface driver usb-storage

[ 4.359849] usbcore: registered new interface driver usbserial

[ 4.364519] tegra-xudc-new 3550000.xudc: PMQOS CPU boost enabled

[ 4.364550] nct1008\_nct72 4-004c: initial LOC temp: 28000

[ 4.364577] Could not get extcon-dev /xudc@3550000:vbus(0)

[ 4.365186] nct1008\_nct72 4-004c: initial EXT temp: 40250

[ 4.366194] nct1008\_nct72 4-004c: hi\_b:-10, lo\_b:128

[ 4.367381] nct1008\_nct72 4-004c: nct1008\_probe: initialized

[ 4.367782] ucsi\_ccg 1-0008: FW1 Version: gn v12.05, [Base 3.1.2.1487]

[ 4.367791] ucsi\_ccg 1-0008: FW2 Version: gn v12.05, [Base 3.1.2.1487]

[ 4.368994] ucsi\_ccg 1-0008: fw\_mode: 2

[ 4.368998] ucsi\_ccg 1-0008: fw1\_invalid: 0

[ 4.369001] ucsi\_ccg 1-0008: fw2\_invalid: 0

[ 4.369005] ucsi\_ccg 1-0008: silicon\_id: 0x1f00

[ 4.369207] ucsi\_ccg 1-0008: typec-port0 extcon dev created

[ 4.369371] ucsi\_ccg 1-0008: typec-port1 extcon dev created

[ 4.369628] ucsi\_ccg 1-0008: typec-pd extcon dev created

[ 4.369836] gpio tegra-gpio-aon wake48 for gpio=10(BB:2)

[ 4.372235] ucsi\_ccg 1-0008: dev event code: 0x80, data len: 0

[ 4.373373] ucsi\_ccg 1-0008: [typec-port0] Cable state:1, cable id:1

[ 4.373833] ucsi\_ccg 1-0008: CCG reset complete

[ 4.376645] ucsi\_ccg 1-0008: FW1 Version: gn v12.05, [Base 3.1.2.1487]

[ 4.376654] ucsi\_ccg 1-0008: FW2 Version: gn v12.05, [Base 3.1.2.1487]

[ 4.378622] ucsi\_ccg 1-0008: fw\_mode: 2

[ 4.378627] ucsi\_ccg 1-0008: fw1\_invalid: 0

[ 4.378630] ucsi\_ccg 1-0008: fw2\_invalid: 0

[ 4.378635] ucsi\_ccg 1-0008: silicon\_id: 0x1f00

[ 4.378642] ucsi\_ccg 1-0008: Reset Complete.

[ 4.382046] ucsi\_ccg 1-0008: HPI Command Success.

[ 4.384898] ucsi\_ccg 1-0008: HPI Command Success.

[ 4.384919] ucsi\_ccg 1-0008: ucsi\_ccg\_init: complete

[ 4.385895] mousedev: PS/2 mouse device common for all mice

[ 4.386027] usbcore: registered new interface driver xpad

[ 4.521502] max77686-rtc max77620-rtc: rtc core: registered max77620-rtc as rtc0

[ 4.523734] Wake73 for irq=42

[ 4.525334] rtc rtc1: alarm rtc device

[ 4.525361] tegra\_rtc c2a0000.rtc: rtc core: registered c2a0000.rtc as rtc1

[ 4.525390] tegra\_rtc c2a0000.rtc: Tegra internal Real Time Clock

[ 4.525712] i2c /dev entries driver

[ 4.531147] max77620-power max20024-power: Event recorder REG\_NVERC : 0x44

[ 4.537785] tegra-bpmp-thermal d000000.bpmp:bpmpthermal: zone 0 not supported

[ 4.538174] tegra-bpmp-thermal d000000.bpmp:bpmpthermal: zone 2 not supported

[ 4.541285] tegra-thermal-throttle bthrot\_cdev: clk:cpu max:2265600000, min:115200000 steps:28

[ 4.594527] tegra-thermal-throttle bthrot\_cdev: clk:gpu max:1377000000, min:114750000 steps:13

[ 4.594578] tegra-thermal-throttle bthrot\_cdev: cdev:skin-balanced clk:0:cpu off:0 slope-adj:200

[ 4.594583] tegra-thermal-throttle bthrot\_cdev: cdev:skin-balanced clk:1:gpu off:0 slope-adj:400

[ 4.594838] tegra-thermal-throttle bthrot\_cdev: cdev:skin-balanced max\_state:56 cutoff:0

[ 4.594936] tegra-thermal-throttle bthrot\_cdev: cdev:gpu-balanced clk:0:cpu off:0 slope-adj:400

[ 4.594942] tegra-thermal-throttle bthrot\_cdev: cdev:gpu-balanced clk:1:gpu off:0 slope-adj:400

[ 4.595374] tegra-thermal-throttle bthrot\_cdev: cdev:gpu-balanced max\_state:52 cutoff:1

[ 4.595497] tegra-thermal-throttle bthrot\_cdev: cdev:cpu-balanced clk:0:cpu off:0 slope-adj:200

[ 4.595503] tegra-thermal-throttle bthrot\_cdev: cdev:cpu-balanced clk:1:gpu off:365500000 slope-adj:300

[ 4.595969] tegra-thermal-throttle bthrot\_cdev: cdev:cpu-balanced max\_state:56 cutoff:0

[ 4.596075] tegra-thermal-throttle bthrot\_cdev: cdev:emergency-balanced clk:0:cpu off:38400000 slope-adj:10

[ 4.596079] tegra-thermal-throttle bthrot\_cdev: cdev:emergency-balanced clk:1:gpu off:25500000 slope-adj:10

[ 4.596470] tegra-thermal-throttle bthrot\_cdev: cdev:emergency-balanced max\_state:2 cutoff:0

[ 4.596551] tegra-thermal-throttle bthrot\_cdev: cdev:aux-balanced clk:0:cpu off:0 slope-adj:400

[ 4.596555] tegra-thermal-throttle bthrot\_cdev: cdev:aux-balanced clk:1:gpu off:0 slope-adj:400

[ 4.596922] tegra-thermal-throttle bthrot\_cdev: cdev:aux-balanced max\_state:52 cutoff:1

[ 4.597858] FAN dev name: pwm-fan

[ 4.597946] FAN:gpio request success.

[ 4.597956] FAN: can't find tach\_gpio

[ 4.597991] pwm\_fan\_driver pwm-fan: cap state:7, cap pwm:255

[ 4.598396] pwm\_fan\_driver pwm-fan: got pwm for fan. polarity is normal

[ 4.598401] pwm\_fan\_driver pwm-fan: tach period: 1000

[ 4.598827] pwm\_fan\_driver pwm-fan: index 0: pwm=0, rpm=0, rru=40, rrd=40, state:2

[ 4.598832] pwm\_fan\_driver pwm-fan: index 1: pwm=77, rpm=1000, rru=2, rrd=2, state:2

[ 4.598837] pwm\_fan\_driver pwm-fan: index 2: pwm=120, rpm=2000, rru=1, rrd=1, state:2

[ 4.598841] pwm\_fan\_driver pwm-fan: index 3: pwm=160, rpm=3000, rru=1, rrd=1, state:2

[ 4.598845] pwm\_fan\_driver pwm-fan: index 4: pwm=255, rpm=4000, rru=1, rrd=1, state:3

[ 4.598849] pwm\_fan\_driver pwm-fan: index 5: pwm=255, rpm=5000, rru=1, rrd=1, state:3

[ 4.598853] pwm\_fan\_driver pwm-fan: index 6: pwm=255, rpm=6000, rru=1, rrd=1, state:3

[ 4.598887] pwm\_fan\_driver pwm-fan: index 7: pwm=255, rpm=7000, rru=1, rrd=1, state:4

[ 4.598893] pwm\_fan\_driver pwm-fan: index 8: pwm=255, rpm=10000, rru=1, rrd=1, state:4

[ 4.598898] pwm\_fan\_driver pwm-fan: index 9: pwm=255, rpm=11000, rru=1, rrd=1, state:4

[ 4.600430] device-mapper: uevent: version 1.0.3

[ 4.601061] device-mapper: ioctl: 4.35.0-ioctl (2016-06-23) initialised: dm-devel@redhat.com

[ 4.622211] tegra194\_cpufreq\_probe: platform driver Initialization: pass

[ 4.629894] cpuidle: Initializing cpuidle driver

[ 4.642199] sdhci: Secure Digital Host Controller Interface driver

[ 4.642200] sdhci: Copyright(c) Pierre Ossman

[ 4.642203] sdhci-pltfm: SDHCI platform and OF driver helper

[ 4.643377] sdhci-tegra 3460000.sdhci: Client registration for eMC Successful

[ 4.645132] CMDQ: cmdq\_platfm\_init successful

[ 4.645753] sdhci-tegra 3400000.sdhci: Got CD GPIO

[ 4.648765] sdhci-tegra 3400000.sdhci: Client registration for eMC Successful

[ 4.650304] sdhci-tegra 3400000.sdhci: wakeup init done, cdirq 253

[ 4.655042] tegra-se-elp 3ad0000.se\_elp: tegra\_se\_elp\_probe: complete

[ 4.690347] mmc0: SDHCI controller on 3460000.sdhci [3460000.sdhci] using ADMA 64-bit with 64 bit addr

[ 4.702473] gpio tegra-gpio wake8 for gpio=55(G:7)

[ 4.702515] mmc1: SDHCI controller on 3400000.sdhci [3400000.sdhci] using ADMA 64-bit with 64 bit addr

[ 4.772092] mmc0: mmc\_decode\_ext\_csd: CMDQ supported: depth: 31, cmdq\_support: 1

[ 4.783442] mmc0: periodic cache flush enabled

[ 4.783454] mmc0: new HS400 Enhanced strobe MMC card at address 0001

[ 4.784043] mmcblk0: mmc0:0001 HBG4a2 29.1 GiB

[ 4.784318] mmcblk0boot0: mmc0:0001 HBG4a2 partition 1 8.00 MiB

[ 4.784580] mmcblk0boot1: mmc0:0001 HBG4a2 partition 2 8.00 MiB

[ 4.788850] mmcblk0rpmb: mmc0:0001 HBG4a2 partition 3 4.00 MiB

[ 4.791782] 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

[ 5.260516] tegra\_nvdisp\_handle\_pd\_enable: Unpowergated Head1 pd

[ 5.268020] Parent Clock set for DC plld3

[ 5.335806] tegradc 15200000.nvdisplay: hdmi: tmds rate:148351K prod-setting:prod\_c\_hdmi\_111m\_223m

[ 5.336556] tegradc 15200000.nvdisplay: hdmi: get RGB quant from REG programmed by BL.

[ 5.336705] tegradc 15200000.nvdisplay: hdmi: get YCC quant from REG programmed by BL.

[ 5.337310] extcon-disp-state external-connection:disp-state: cable 48 state 1

[ 5.337452] Extcon AUX2(HDMI) enable

[ 5.339057] tegra-se-nvhost 15810000.se: initialized

[ 5.340294] tegra-se-nvhost 15810000.se: tegra\_se\_probe: complete

[ 5.341602] tegra-se-nvhost 15820000.se: initialized

[ 5.342904] tegra-se-nvhost 15820000.se: tegra\_se\_probe: complete

[ 5.344390] tegra-se-nvhost 15830000.se: initialized

[ 5.345207] tegra-se-nvhost 15830000.se: tegra\_se\_probe: complete

[ 5.346306] tegra-se-nvhost 15840000.se: initialized

[ 5.347522] tegra-se-nvhost 15840000.se: tegra\_se\_probe: complete

[ 5.351042] hidraw: raw HID events driver (C) Jiri Kosina

[ 5.351219] tegradc 15210000.nvdisplay: disp1 connected to head1->/host1x/sor

[ 5.351246] tegradc 15210000.nvdisplay: parse\_dp\_settings: No dp-lt-settings node

[ 5.351301] tegradc 15210000.nvdisplay: DT parsed successfully

[ 5.351344] tegradc 15210000.nvdisplay: Display dc.ffffff800d9b0000 registered with id=1

[ 5.351525] tegradc 15210000.nvdisplay: vblank syncpt # 15 for dc 1

[ 5.351550] tegradc 15210000.nvdisplay: vpulse3 syncpt # 16 for dc 1

[ 5.360611] tegradc 15210000.nvdisplay: probed

[ 5.401586] tegradc 15210000.nvdisplay: fb registered

[ 5.402798] usbcore: registered new interface driver usbhid

[ 5.402800] usbhid: USB HID core driver

[ 5.408354] tegra186-cam-rtcpu bc00000.rtcpu: deferring, 14800000.isp is not probed

[ 5.409511] tegra\_aon c1a0000.aon: tegra aon driver probe OK

[ 5.410064] tegra186-aondbg aondbg: aondbg driver probe() OK

[ 5.410818] denver\_knobs\_init:MTS\_VERSION:44201972

[ 5.411021] tegra19x\_actmon d230000.actmon: in actmon\_register()...

[ 5.411629] tegra19x\_actmon d230000.actmon: initialization Completed for the device mc\_all

[ 5.412103] t19x\_cache tegra-cache: probed

[ 5.418252] misc nvmap: cvsram :dma coherent mem declare 0x0000000050000000,4194304

[ 5.418258] misc nvmap: created heap cvsram base 0x0000000050000000 size (4096KiB)

[ 5.420406] nvpmodel: initialized successfully

[ 5.421546] tegra-hda 3510000.hda: Override SDO lines to 4

[ 5.421924] usbcore: registered new interface driver snd-usb-audio

[ 5.433601] input: tegra-hda-galen-t194 HDMI/DP,pcm=3 as /devices/3510000.hda/sound/card0/input0

[ 5.433772] input: tegra-hda-galen-t194 HDMI/DP,pcm=7 as /devices/3510000.hda/sound/card0/input1

[ 5.433953] input: tegra-hda-galen-t194 HDMI/DP,pcm=8 as /devices/3510000.hda/sound/card0/input2

[ 5.434099] input: tegra-hda-galen-t194 HDMI/DP,pcm=9 as /devices/3510000.hda/sound/card0/input3

[ 5.525443] tegradc 15200000.nvdisplay: blank - powerdown

[ 5.528751] hpd: state 7 (Takeover from bootloader), hpd 0, pending\_hpd\_evt 1

[ 5.528753] hpd: switching from state 7 (Takeover from bootloader) to state 0 (Reset)

[ 5.528759] hpd: state 0 (Reset), hpd 0, pending\_hpd\_evt 0

[ 5.529229] tegradc 15220000.nvdisplay: disp2 connected to head2->/host1x/sor1

[ 5.529252] tegradc 15220000.nvdisplay: parse\_dp\_settings: No dp-lt-settings node

[ 5.529310] tegradc 15220000.nvdisplay: DT parsed successfully

[ 5.529346] tegradc 15220000.nvdisplay: Display dc.ffffff800fc10000 registered with id=2

[ 5.529521] tegradc 15220000.nvdisplay: vblank syncpt # 17 for dc 2

[ 5.529540] tegradc 15220000.nvdisplay: vpulse3 syncpt # 18 for dc 2

[ 5.536428] tegradc 15220000.nvdisplay: probed

[ 5.569618] extcon-disp-state external-connection:disp-state: cable 48 state 0

[ 5.569620] Extcon AUX2(HDMI) disable

[ 5.591814] tegra\_nvdisp\_handle\_pd\_disable: Powergated Head1 pd

[ 5.592249] tegra\_nvdisp\_handle\_pd\_disable: Powergated Head0 pd

[ 5.603018] tegradc 15200000.nvdisplay: unblank

[ 5.603670] tegra\_nvdisp\_handle\_pd\_enable: Unpowergated Head0 pd

[ 5.603768] tegra\_nvdisp\_handle\_pd\_enable: Unpowergated Head1 pd

[ 5.605554] Parent Clock set for DC plld3

[ 5.609731] tegradc 15200000.nvdisplay: hdmi: tmds rate:148500K prod-setting:prod\_c\_hdmi\_111m\_223m

[ 5.611498] tegradc 15200000.nvdisplay: hdmi: get RGB quant from EDID.

[ 5.611508] tegradc 15200000.nvdisplay: hdmi: get YCC quant from EDID.

[ 5.614985] extcon-disp-state external-connection:disp-state: cable 48 state 1

[ 5.614986] Extcon AUX2(HDMI) enable

[ 7.234181] gpio tegra-gpio wake12 for gpio=149(S:5)

[ 7.324658] OPE platform probe

[ 7.324800] OPE platform probe successful

[ 7.459462] tegra-asoc: sound: ADMAIF1 <-> ADMAIF1 mapping ok

[ 7.459536] tegra-asoc: sound: ADMAIF2 <-> ADMAIF2 mapping ok

[ 7.459598] tegra-asoc: sound: ADMAIF3 <-> ADMAIF3 mapping ok

[ 7.459663] tegra-asoc: sound: ADMAIF4 <-> ADMAIF4 mapping ok

[ 7.459747] tegra-asoc: sound: ADMAIF5 <-> ADMAIF5 mapping ok

[ 7.459848] tegra-asoc: sound: ADMAIF6 <-> ADMAIF6 mapping ok

[ 7.459949] tegra-asoc: sound: ADMAIF7 <-> ADMAIF7 mapping ok

[ 7.460016] tegra-asoc: sound: ADMAIF8 <-> ADMAIF8 mapping ok

[ 7.460085] tegra-asoc: sound: ADMAIF9 <-> ADMAIF9 mapping ok

[ 7.460149] tegra-asoc: sound: ADMAIF10 <-> ADMAIF10 mapping ok

[ 7.460213] tegra-asoc: sound: ADMAIF11 <-> ADMAIF11 mapping ok

[ 7.460313] tegra-asoc: sound: ADMAIF12 <-> ADMAIF12 mapping ok

[ 7.460415] tegra-asoc: sound: ADMAIF13 <-> ADMAIF13 mapping ok

[ 7.460482] tegra-asoc: sound: ADMAIF14 <-> ADMAIF14 mapping ok

[ 7.460545] tegra-asoc: sound: ADMAIF15 <-> ADMAIF15 mapping ok

[ 7.460609] tegra-asoc: sound: ADMAIF16 <-> ADMAIF16 mapping ok

[ 7.460675] tegra-asoc: sound: ADMAIF17 <-> ADMAIF17 mapping ok

[ 7.460775] tegra-asoc: sound: ADMAIF18 <-> ADMAIF18 mapping ok

[ 7.460856] tegra-asoc: sound: ADMAIF19 <-> ADMAIF19 mapping ok

[ 7.460934] tegra-asoc: sound: ADMAIF20 <-> ADMAIF20 mapping ok

[ 7.506151] input: tegra-snd-t19x-mobile-rt565x Headset Jack as /devices/sound/sound/card1/input4

[ 7.507428] u32 classifier

[ 7.507429] Actions configured

[ 7.507483] Initializing XFRM netlink socket

[ 7.508080] NET: Registered protocol family 10

[ 7.508765] NET: Registered protocol family 17

[ 7.508776] NET: Registered protocol family 15

[ 7.508834] bridge: filtering via arp/ip/ip6tables is no longer available by default. Update your scripts to load br\_netfilter if you need this.

[ 7.508896] Bluetooth: RFCOMM socket layer initialized

[ 7.508908] Bluetooth: RFCOMM ver 1.11

[ 7.508912] Bluetooth: HIDP (Human Interface Emulation) ver 1.2

[ 7.508917] Bluetooth: HIDP socket layer initialized

[ 7.508930] 9pnet: Installing 9P2000 support

[ 7.508969] Key type dns\_resolver registered

[ 7.509165] Registered cp15\_barrier emulation handler

[ 7.509261] Registered setend emulation handler

[ 7.510852] registered taskstats version 1

[ 7.511368] tegra-pcie-dw 141a0000.pcie\_ep: invalid max-speed (err=-22), set to Gen-1

[ 7.511373] tegra-pcie-dw 141a0000.pcie\_ep: Setting init speed to max speed

[ 7.512801] tegra-pcie-dw 14180000.pcie: Setting init speed to max speed

[ 7.513621] OF: PCI: host bridge /pcie@14180000 ranges:

[ 7.513639] OF: PCI: IO 0x38100000..0x381fffff -> 0x38100000

[ 7.513648] OF: PCI: MEM 0x38200000..0x39ffffff -> 0x38200000

[ 7.513652] OF: PCI: MEM 0x1800000000..0x1bffffffff -> 0x1800000000

[ 7.949864] tegradc 15210000.nvdisplay: blank - powerdown

[ 7.955504] extcon-disp-state external-connection:disp-state: cable 44 state 0 already set.

[ 7.955506] Extcon DP: HPD disabled

[ 7.955508] hpd: hpd\_switch 0

[ 7.955509] hpd: switching from state 0 (Reset) to state 1 (Check Plug)

[ 7.955525] hpd: state 1 (Check Plug), hpd 0, pending\_hpd\_evt 0

[ 7.955529] hpd: switching from state 1 (Check Plug) to state 3 (Disabled)

[ 7.989882] tegradc 15220000.nvdisplay: fb registered

[ 7.995201] extcon-disp-state external-connection:disp-state: cable 40 state 1

[ 8.002174] Extcon HDMI: HPD enabled

[ 8.005776] tegradc 15200000.nvdisplay: hdmi: plugged

[ 8.006793] hpd: state 7 (Takeover from bootloader), hpd 0, pending\_hpd\_evt 1

[ 8.006795] hpd: switching from state 7 (Takeover from bootloader) to state 0 (Reset)

[ 8.006800] hpd: state 0 (Reset), hpd 0, pending\_hpd\_evt 0

[ 8.031751] tegradc 15220000.nvdisplay: blank - powerdown

[ 8.031907] tegra-pcie-dw 14180000.pcie: link is down

[ 8.032034] tegra-pcie-dw 14180000.pcie: PCI host bridge to bus 0000:00

[ 8.032039] pci\_bus 0000:00: root bus resource [bus 00-ff]

[ 8.032045] pci\_bus 0000:00: root bus resource [io 0x0000-0xfffff] (bus address [0x38100000-0x381fffff])

[ 8.032047] pci\_bus 0000:00: root bus resource [mem 0x38200000-0x39ffffff]

[ 8.032049] pci\_bus 0000:00: root bus resource [mem 0x1800000000-0x1bffffffff pref]

[ 8.032072] pci 0000:00:00.0: [10de:1ad0] type 01 class 0x060400

[ 8.032207] pci 0000:00:00.0: PME# supported from D0 D3hot D3cold

[ 8.032472] iommu: Adding device 0000:00:00.0 to group 61

[ 8.032665] pci 0000:00:00.0: PCI bridge to [bus 01-ff]

[ 8.032684] pci 0000:00:00.0: Max Payload Size set to 256/ 256 (was 256), Max Read Rq 512

[ 8.032874] pcieport 0000:00:00.0: Signaling PME through PCIe PME interrupt

[ 8.032878] pcie\_pme 0000:00:00.0:pcie001: service driver pcie\_pme loaded

[ 8.032982] aer 0000:00:00.0:pcie002: service driver aer loaded

[ 8.033239] pcie\_pme 0000:00:00.0:pcie001: unloading service driver pcie\_pme

[ 8.033280] aer 0000:00:00.0:pcie002: unloading service driver aer

[ 8.033350] pci\_bus 0000:01: busn\_res: [bus 01-ff] is released

[ 8.033436] iommu: Removing device 0000:00:00.0 from group 61

[ 8.033499] pci\_bus 0000:00: busn\_res: [bus 00-ff] is released

[ 8.033730] tegra-pcie-dw 14180000.pcie: PCIe link is not up...!

[ 8.038951] tegra-pcie-dw 14100000.pcie: Setting init speed to max speed

[ 8.039986] OF: PCI: host bridge /pcie@14100000 ranges:

[ 8.040017] OF: PCI: IO 0x30100000..0x301fffff -> 0x30100000

[ 8.040023] OF: PCI: MEM 0x30200000..0x31ffffff -> 0x30200000

[ 8.040026] OF: PCI: MEM 0x1200000000..0x123fffffff -> 0x1200000000

[ 8.145901] extcon-disp-state external-connection:disp-state: cable 44 state 0 already set.

[ 8.146373] tegra-pcie-dw 14100000.pcie: link is up

[ 8.146609] tegra-pcie-dw 14100000.pcie: PCI host bridge to bus 0001:00

[ 8.146615] pci\_bus 0001:00: root bus resource [bus 00-ff]

[ 8.146620] pci\_bus 0001:00: root bus resource [io 0x100000-0x1fffff] (bus address [0x30100000-0x301fffff])

[ 8.146641] pci\_bus 0001:00: root bus resource [mem 0x30200000-0x31ffffff]

[ 8.146643] pci\_bus 0001:00: root bus resource [mem 0x1200000000-0x123fffffff pref]

[ 8.146680] pci 0001:00:00.0: [10de:1ad2] type 01 class 0x060400

[ 8.146812] pci 0001:00:00.0: PME# supported from D0 D3hot D3cold

[ 8.147021] iommu: Adding device 0001:00:00.0 to group 61

[ 8.147365] pci 0001:01:00.0: [1b4b:9171] type 00 class 0x010601

[ 8.147468] pci 0001:01:00.0: reg 0x10: [io 0x8000-0x8007]

[ 8.147528] pci 0001:01:00.0: reg 0x14: [io 0x8040-0x8043]

[ 8.147588] pci 0001:01:00.0: reg 0x18: [io 0x8100-0x8107]

[ 8.147648] pci 0001:01:00.0: reg 0x1c: [io 0x8140-0x8143]

[ 8.147707] pci 0001:01:00.0: reg 0x20: [io 0x800000-0x80000f]

[ 8.147768] pci 0001:01:00.0: reg 0x24: [mem 0x00900000-0x009001ff]

[ 8.147828] pci 0001:01:00.0: reg 0x30: [mem 0xd0000000-0xd000ffff pref]

[ 8.148154] pci 0001:01:00.0: PME# supported from D3hot

[ 8.148413] iommu: Adding device 0001:01:00.0 to group 62

[ 8.163037] pci 0001:00:00.0: BAR 14: assigned [mem 0x30200000-0x302fffff]

[ 8.163041] pci 0001:00:00.0: BAR 13: assigned [io 0x100000-0x100fff]

[ 8.163047] pci 0001:01:00.0: BAR 6: assigned [mem 0x30200000-0x3020ffff pref]

[ 8.163063] pci 0001:01:00.0: BAR 5: assigned [mem 0x30210000-0x302101ff]

[ 8.163127] pci 0001:01:00.0: BAR 4: assigned [io 0x100000-0x10000f]

[ 8.163186] pci 0001:01:00.0: BAR 0: assigned [io 0x100010-0x100017]

[ 8.163211] pci 0001:01:00.0: BAR 2: assigned [io 0x100018-0x10001f]

[ 8.163236] pci 0001:01:00.0: BAR 1: assigned [io 0x100020-0x100023]

[ 8.163257] pci 0001:01:00.0: BAR 3: assigned [io 0x100024-0x100027]

[ 8.163284] pci 0001:00:00.0: PCI bridge to [bus 01-ff]

[ 8.163287] pci 0001:00:00.0: bridge window [io 0x100000-0x100fff]

[ 8.163292] pci 0001:00:00.0: bridge window [mem 0x30200000-0x302fffff]

[ 8.163306] pci 0001:00:00.0: Max Payload Size set to 256/ 256 (was 256), Max Read Rq 512

[ 8.163399] pci 0001:01:00.0: Max Payload Size set to 256/ 512 (was 128), Max Read Rq 512

[ 8.163693] pcieport 0001:00:00.0: Signaling PME through PCIe PME interrupt

[ 8.163696] pci 0001:01:00.0: Signaling PME through PCIe PME interrupt

[ 8.163700] pcie\_pme 0001:00:00.0:pcie001: service driver pcie\_pme loaded

[ 8.163780] aer 0001:00:00.0:pcie002: service driver aer loaded

[ 8.164241] ahci 0001:01:00.0: version 3.0

[ 8.164756] ahci 0001:01:00.0: AHCI 0001.0000 32 slots 1 ports 6 Gbps 0x1 impl SATA mode

[ 8.164761] ahci 0001:01:00.0: flags: 64bit ncq sntf led only pmp fbs pio slum part sxs

[ 8.165493] scsi host1: ahci

[ 8.165697] ata1: SATA max UDMA/133 abar m512@0x30210000 port 0x30210100 irq 562

[ 8.165823] tegra-pcie-dw 14140000.pcie: Setting init speed to max speed

[ 8.166639] OF: PCI: host bridge /pcie@14140000 ranges:

[ 8.166663] OF: PCI: IO 0x34100000..0x341fffff -> 0x34100000

[ 8.166667] OF: PCI: MEM 0x34200000..0x35ffffff -> 0x34200000

[ 8.166670] OF: PCI: MEM 0x1280000000..0x12bfffffff -> 0x1280000000

[ 8.372865] Extcon DP: HPD disabled

[ 8.376450] hpd: hpd\_switch 0

[ 8.379601] hpd: switching from state 0 (Reset) to state 1 (Check Plug)

[ 8.386467] hpd: state 1 (Check Plug), hpd 0, pending\_hpd\_evt 0

[ 8.392209] hpd: switching from state 1 (Check Plug) to state 3 (Disabled)

[ 8.477737] ata1: SATA link down (SStatus 0 SControl 300)

[ 8.672574] tegra-pcie-dw 14140000.pcie: link is down

[ 8.674062] tegra-pcie-dw 14140000.pcie: PCI host bridge to bus 0003:00

[ 8.675387] pci\_bus 0003:00: root bus resource [bus 00-ff]

[ 8.676623] pci\_bus 0003:00: root bus resource [io 0x200000-0x2fffff] (bus address [0x34100000-0x341fffff])

[ 8.677935] pci\_bus 0003:00: root bus resource [mem 0x34200000-0x35ffffff]

[ 8.679222] pci\_bus 0003:00: root bus resource [mem 0x1280000000-0x12bfffffff pref]

[ 8.680505] pci 0003:00:00.0: [10de:1ad2] type 01 class 0x060400

[ 8.680665] pci 0003:00:00.0: PME# supported from D0 D3hot D3cold

[ 8.680895] iommu: Adding device 0003:00:00.0 to group 63

[ 8.682410] pci 0003:00:00.0: PCI bridge to [bus 01-ff]

[ 8.683655] pci 0003:00:00.0: Max Payload Size set to 256/ 256 (was 256), Max Read Rq 512

[ 8.685140] pcieport 0003:00:00.0: Signaling PME through PCIe PME interrupt

[ 8.686417] pcie\_pme 0003:00:00.0:pcie001: service driver pcie\_pme loaded

[ 8.686538] aer 0003:00:00.0:pcie002: service driver aer loaded

[ 8.686692] pcie\_pme 0003:00:00.0:pcie001: unloading service driver pcie\_pme

[ 8.686771] aer 0003:00:00.0:pcie002: unloading service driver aer

[ 8.686847] pci\_bus 0003:01: busn\_res: [bus 01-ff] is released

[ 8.686917] iommu: Removing device 0003:00:00.0 from group 63

[ 8.688204] pci\_bus 0003:00: busn\_res: [bus 00-ff] is released

[ 8.688515] tegra-pcie-dw 14140000.pcie: PCIe link is not up...!

[ 8.702480] tegra-cbb 14040000.cv-noc: noc\_secure\_irq = 97, noc\_nonsecure\_irq = 96>

[ 8.708150] tegra194-isp5 14800000.isp: initialized

[ 8.718563] tegra194-vi5 15c10000.vi: initialized

[ 8.725689] tegra194-vi5 15c10000.vi: ep of\_device is not enabled /host1x/vi@15c10000/ports/port@0/endpoint.

[ 8.727132] tegra194-vi5 15c10000.vi: ep of\_device is not enabled /host1x/vi@15c10000/ports/port@1/endpoint.

[ 8.730630] tegra-xusb 3610000.xhci: USB2 port 0 has OTG\_CAP

[ 8.731920] tegra-xusb 3610000.xhci: USB3 port 2 has OTG\_CAP

[ 8.736405] tegra-xusb 3610000.xhci: extcon 0: ffffffc3da9fb000 id

[ 8.738189] tegra-xudc-new 3550000.xudc: PMQOS CPU boost enabled

[ 8.739487] tegra-xudc-new 3550000.xudc: device count: 1

[ 8.740824] tegra-xusb 3610000.xhci: Direct firmware load for tegra19x\_xusb\_firmware failed with error -2

[ 8.742133] tegra-xusb 3610000.xhci: Falling back to user helper

[ 8.744585] tegra-xudc-new 3550000.xudc: vbus state: 1

[ 8.748826] tegra-xudc-new 3550000.xudc: device mode on: 0

[ 8.754750] tegra-xudc-new 3550000.xudc: active: 0 => 1

[ 8.759723] tegra-xudc-new 3550000.xudc: Initialize boost\_cpufreq work

[ 8.767041] tegra186-cam-rtcpu bc00000.rtcpu: Trace buffer configured at IOVA=0xbff00000

[ 8.847466] tegra-ivc ivc-bc00000.rtcpu: region 0: iova=0xbfee0000-0xbfefffff size=131072

[ 8.849089] tegra-ivc ivc-bc00000.rtcpu:echo@0: echo: ver=0 grp=1 RX[16x64]=0x1000-0x1480 TX[16x64]=0x1480-0x1900

[ 8.850676] tegra-ivc ivc-bc00000.rtcpu:dbg@1: dbg: ver=0 grp=1 RX[1x384]=0x1900-0x1b00 TX[1x384]=0x1b00-0x1d00

[ 8.852231] tegra-ivc ivc-bc00000.rtcpu:dbg@2: dbg: ver=0 grp=1 RX[1x8192]=0x1d00-0x3d80 TX[1x8192]=0x3d80-0x5e00

[ 8.854002] tegra-ivc ivc-bc00000.rtcpu:ivccontrol@3: ivccontrol: ver=0 grp=1 RX[64x320]=0x5e00-0xae80 TX[64x320]=0xae80-0xff00

[ 8.856570] tegra-ivc ivc-bc00000.rtcpu:ivccapture@4: ivccapture: ver=0 grp=1 RX[512x64]=0xff00-0x17f80 TX[512x64]=0x17f80-0x20000

[ 8.858232] tegra186-cam-rtcpu bc00000.rtcpu: using cam RTCPU IRQ (68)

[ 8.859568] tegra186-cam-rtcpu bc00000.rtcpu: tegra\_camrtc\_mon\_create is successful

[ 8.861865] tegra186-cam-rtcpu bc00000.rtcpu: firmware version cpu=rce cmd=5 sha1=cf2bef3ad10e437272857b76308abef8ffb80bda

[ 8.863766] gpio tegra-gpio wake67 for gpio=48(G:0)

[ 8.866920] gpio tegra-gpio-aon wake29 for gpio=36(EE:4)

[ 8.872680] input: gpio-keys as /devices/gpio-keys/input/input5

[ 8.912837] tegra\_rtc c2a0000.rtc: setting system clock to 2019-07-11 17:08:04 UTC (1562864884)

[ 8.914844] mmcblk mmc0:0001: Card claimed for testing.

[ 8.955927] bpmp: mounted debugfs mirror

[ 8.963420] vdd-1v8-cvb: disabling

[ 8.964837] vdd-1v8-sd: disabling

[ 8.966202] vdd-epb-1v0: disabling

[ 8.967595] avdd-cam-2v8: disabling

[ 8.968958] vdd-sata-1v5: disabling

[ 8.970310] vdd-3v3-slt: disabling

[ 8.971668] vdd-fan: disabling

[ 8.972987] vdd\_sys\_en: disabling

[ 8.974283] vdd-5v-sata: disabling

[ 8.975616] ALSA device list:

[ 8.976889] #0: tegra-hda-galen-t194 at 0x3518000 irq 67

[ 8.978185] #1: tegra-snd-t19x-mobile-rt565x

[ 8.996152] EXT4-fs (mmcblk0p1): mounted filesystem with ordered data mode. Opts: (null)

[ 8.997578] VFS: Mounted root (ext4 filesystem) on device 179:1.

[ 9.000133] devtmpfs: mounted

[ 9.003123] Freeing unused kernel memory: 8512K

[ 9.123806] ip\_tables: (C) 2000-2006 Netfilter Core Team

[ 9.127844] cgroup: cgroup2: unknown option "nsdelegate"

[ 9.136930] 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)

[ 9.140762] systemd[1]: Detected architecture arm64.

[ 9.154974] systemd[1]: Set hostname to <tegra-ubuntu>.

[ 9.159385] random: systemd: uninitialized urandom read (16 bytes read)

[ 9.160911] systemd[1]: Initializing machine ID from random generator.

[ 9.234928] 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.

[ 9.236723] systemd[1]: Proceeding WITHOUT firewalling in effect! (This warning is only shown for the first loaded unit using IP firewalling.)

[ 9.374218] random: systemd: uninitialized urandom read (16 bytes read)

[ 9.376261] systemd[1]: Set up automount Arbitrary Executable File Formats File System Automount Point.

[ 9.379917] random: systemd: uninitialized urandom read (16 bytes read)

[ 9.381505] systemd[1]: Reached target Swap.

[ 9.390047] systemd[1]: Created slice System Slice.

[ 9.393874] systemd[1]: Listening on /dev/initctl Compatibility Named Pipe.

[ 9.436664] gpio tegra-gpio wake44 for gpio=192(Y:0)

[ 9.462637] EXT4-fs (mmcblk0p1): re-mounted. Opts: (null)

[ 9.658576] systemd-journald[2406]: Received request to flush runtime journal from PID 1

[ 9.827418] nvgpu: 17000000.gv11b nvgpu\_nvhost\_syncpt\_init:291 [INFO] syncpt\_unit\_base 60000000 syncpt\_unit\_size 400000 size 1000

[ 10.344717] tegra-xusb 3610000.xhci: cannot find firmware....retry after 1 second

[ 10.388393] bmi160 1-0069: nvs\_vregs\_init vdd err=-19

[ 10.390479] bmi160 1-0069: nvs\_vregs\_init vdd\_IO err=-19

[ 10.439423] random: crng init done

[ 10.441431] random: 7 urandom warning(s) missed due to ratelimiting

[ 10.446709] tegra-i2c c240000.i2c: no acknowledge from address 0x69

[ 10.448914] bmi160 1-0069: bmi\_i2c\_rd ERR: 0x00

[ 10.452088] bmi160 1-0069: bmi\_init \_id\_i2c ERR

[ 10.455231] bmi160 1-0069: bmi\_remove

[ 10.455236] bmi160 1-0069: bmi\_probe done

[ 10.455397] bmi160 8-0069: nvs\_vregs\_init vdd err=-19

[ 10.457483] bmi160 8-0069: nvs\_vregs\_init vdd\_IO err=-19

[ 10.514677] tegra-i2c 31e0000.i2c: no acknowledge from address 0x69

[ 10.516831] bmi160 8-0069: bmi\_i2c\_rd ERR: 0x00

[ 10.519026] bmi160 8-0069: bmi\_init \_id\_i2c ERR

[ 10.522046] bmi160 8-0069: bmi\_remove

[ 10.522050] bmi160 8-0069: bmi\_probe done

[ 10.847444] IPv6: ADDRCONF(NETDEV\_UP): eth0: link is not ready

[ 10.919473] gpio tegra-gpio wake20 for gpio=52(G:4)

[ 10.925870] IPv6: ADDRCONF(NETDEV\_UP): eth0: link is not ready

[ 11.381507] tegra-xusb 3610000.xhci: Firmware timestamp: 2018-03-29 14:24:42 UTC, Version: 60.05 release

[ 11.381562] tegra-xusb 3610000.xhci: xHCI Host Controller

[ 11.381587] tegra-xusb 3610000.xhci: new USB bus registered, assigned bus number 1

[ 11.382814] tegra-xusb 3610000.xhci: hcc params 0x0184ff25 hci version 0x110 quirks 0x00050810

[ 11.382846] tegra-xusb 3610000.xhci: irq 471, io mem 0x03610000

[ 11.383034] usb usb1: New USB device found, idVendor=1d6b, idProduct=0002

[ 11.383037] usb usb1: New USB device strings: Mfr=3, Product=2, SerialNumber=1

[ 11.383039] usb usb1: Product: xHCI Host Controller

[ 11.383040] usb usb1: Manufacturer: Linux 4.9.140+ xhci-hcd

[ 11.383042] usb usb1: SerialNumber: 3610000.xhci

[ 11.383629] hub 1-0:1.0: USB hub found

[ 11.383655] hub 1-0:1.0: 4 ports detected

[ 11.383955] tegra-xusb 3610000.xhci: xHCI Host Controller

[ 11.383961] tegra-xusb 3610000.xhci: new USB bus registered, assigned bus number 2

[ 11.383966] tegra-xusb 3610000.xhci: Host supports USB 3.1 Enhanced SuperSpeed

[ 11.384101] usb usb2: New USB device found, idVendor=1d6b, idProduct=0003

[ 11.384104] usb usb2: New USB device strings: Mfr=3, Product=2, SerialNumber=1

[ 11.384106] usb usb2: Product: xHCI Host Controller

[ 11.384108] usb usb2: Manufacturer: Linux 4.9.140+ xhci-hcd

[ 11.384110] usb usb2: SerialNumber: 3610000.xhci

[ 11.384455] hub 2-0:1.0: USB hub found

[ 11.384477] hub 2-0:1.0: 4 ports detected

[ 11.385164] Wake76 for irq=199

[ 11.385166] Wake77 for irq=199

[ 11.385167] Wake78 for irq=199

[ 11.385167] Wake79 for irq=199

[ 11.385168] Wake80 for irq=199

[ 11.385169] Wake81 for irq=199

[ 11.385169] Wake82 for irq=199

[ 11.486779] usb usb1: usb\_suspend\_both: status 0

[ 11.486985] usb usb2: usb\_suspend\_both: status 0

[ 11.766362] usb 1-4: new high-speed USB device number 2 using tegra-xusb

[ 11.802106] usb 1-4: New USB device found, idVendor=0bda, idProduct=5411

[ 11.802109] usb 1-4: New USB device strings: Mfr=1, Product=2, SerialNumber=0

[ 11.802111] usb 1-4: Product: 4-Port USB 2.0 Hub

[ 11.802113] usb 1-4: Manufacturer: Generic

[ 11.803911] hub 1-4:1.0: USB hub found

[ 11.804828] hub 1-4:1.0: 4 ports detected

[ 11.911884] usb 2-4: new SuperSpeed USB device number 2 using tegra-xusb

[ 11.943942] usb 2-4: New USB device found, idVendor=0bda, idProduct=0411

[ 11.944031] usb 2-4: New USB device strings: Mfr=1, Product=2, SerialNumber=0

[ 11.944033] usb 2-4: Product: 4-Port USB 3.0 Hub

[ 11.944035] usb 2-4: Manufacturer: Generic

[ 11.955076] hub 2-4:1.0: USB hub found

[ 11.956448] hub 2-4:1.0: 4 ports detected

[ 12.094376] usb 1-4.4: new high-speed USB device number 3 using tegra-xusb

[ 12.123672] usb 1-4.4: New USB device found, idVendor=05ac, idProduct=1006

[ 12.123676] usb 1-4.4: New USB device strings: Mfr=1, Product=2, SerialNumber=3

[ 12.123679] usb 1-4.4: Product: Keyboard Hub

[ 12.123681] usb 1-4.4: Manufacturer: Apple, Inc.

[ 12.123682] usb 1-4.4: SerialNumber: 000000000000

[ 12.125248] hub 1-4.4:1.0: USB hub found

[ 12.125374] hub 1-4.4:1.0: 3 ports detected

[ 12.247627] usb 2-4.3: new SuperSpeed USB device number 3 using tegra-xusb

[ 12.271663] usb 2-4.3: New USB device found, idVendor=090c, idProduct=1000

[ 12.271668] usb 2-4.3: New USB device strings: Mfr=1, Product=2, SerialNumber=0

[ 12.271686] usb 2-4.3: Product: USB DISK

[ 12.271689] usb 2-4.3: Manufacturer: SMI Corporation

[ 12.279303] usb-storage 2-4.3:1.0: USB Mass Storage device detected

[ 12.279634] scsi host2: usb-storage 2-4.3:1.0

[ 12.414398] usb 1-4.4.2: new low-speed USB device number 4 using tegra-xusb

[ 12.441829] usb 1-4.4.2: New USB device found, idVendor=05ac, idProduct=0220

[ 12.441833] usb 1-4.4.2: New USB device strings: Mfr=1, Product=2, SerialNumber=0

[ 12.441835] usb 1-4.4.2: Product: Apple Keyboard

[ 12.441837] usb 1-4.4.2: Manufacturer: Apple, Inc

[ 12.447682] input: Apple, Inc Apple Keyboard as /devices/3610000.xhci/usb1/1-4/1-4.4/1-4.4.2/1-4.4.2:1.0/0003:05AC:0220.0001/input/input6

[ 12.507435] apple 0003:05AC:0220.0001: input,hidraw0: USB HID v1.11 Keyboard [Apple, Inc Apple Keyboard] on usb-3610000.xhci-4.4.2/input0

[ 12.510672] input: Apple, Inc Apple Keyboard as /devices/3610000.xhci/usb1/1-4/1-4.4/1-4.4.2/1-4.4.2:1.1/0003:05AC:0220.0002/input/input7

[ 12.570692] apple 0003:05AC:0220.0002: input,hidraw1: USB HID v1.11 Device [Apple, Inc Apple Keyboard] on usb-3610000.xhci-4.4.2/input1

[ 12.650406] usb 1-4.4.3: new low-speed USB device number 5 using tegra-xusb

[ 12.675279] usb 1-4.4.3: New USB device found, idVendor=04f2, idProduct=0939

[ 12.675282] usb 1-4.4.3: New USB device strings: Mfr=1, Product=2, SerialNumber=0

[ 12.675284] usb 1-4.4.3: Product: USB Optical Mouse

[ 12.675286] usb 1-4.4.3: Manufacturer: PixArt

[ 12.679236] input: PixArt USB Optical Mouse as /devices/3610000.xhci/usb1/1-4/1-4.4/1-4.4.3/1-4.4.3:1.0/0003:04F2:0939.0003/input/input8

[ 12.679705] hid-generic 0003:04F2:0939.0003: input,hidraw2: USB HID v1.11 Mouse [PixArt USB Optical Mouse] on usb-3610000.xhci-4.4.3/input0

[ 12.705605] eqos 2490000.ether\_qos eth0: Link is Up - 100Mbps/Full - flow control rx/tx

[ 12.706203] IPv6: ADDRCONF(NETDEV\_CHANGE): eth0: link becomes ready

[ 13.582091] scsi 2:0:0:0: Direct-Access SMI USB DISK 1100 PQ: 0 ANSI: 6

[ 13.583736] sd 2:0:0:0: [sda] 61440000 512-byte logical blocks: (31.5 GB/29.3 GiB)

[ 13.584506] sd 2:0:0:0: [sda] Write Protect is off

[ 13.584511] sd 2:0:0:0: [sda] Mode Sense: 43 00 00 00

[ 13.585271] sd 2:0:0:0: [sda] Write cache: enabled, read cache: enabled, doesn't support DPO or FUA

[ 13.604176] sda: sda1

[ 13.607433] sd 2:0:0:0: [sda] Attached SCSI removable disk

[ 20.452915] tegradc 15200000.nvdisplay: blank - powerdown

[ 20.511767] extcon-disp-state external-connection:disp-state: cable 48 state 0

[ 20.511769] Extcon AUX2(HDMI) disable

[ 20.533886] tegra\_nvdisp\_handle\_pd\_disable: Powergated Head1 pd

[ 20.534375] tegra\_nvdisp\_handle\_pd\_disable: Powergated Head0 pd

[ 20.534616] tegradc 15200000.nvdisplay: unblank

[ 20.535312] tegra\_nvdisp\_handle\_pd\_enable: Unpowergated Head0 pd

[ 20.535415] tegra\_nvdisp\_handle\_pd\_enable: Unpowergated Head1 pd

[ 20.537041] Parent Clock set for DC plld3

[ 20.543393] tegradc 15200000.nvdisplay: hdmi: tmds rate:148500K prod-setting:prod\_c\_hdmi\_111m\_223m

[ 20.544696] tegradc 15200000.nvdisplay: hdmi: get RGB quant from EDID.

[ 20.544704] tegradc 15200000.nvdisplay: hdmi: get YCC quant from EDID.

[ 20.548223] extcon-disp-state external-connection:disp-state: cable 48 state 1

[ 20.548225] Extcon AUX2(HDMI) enable

[ 20.548267] tegradc 15200000.nvdisplay: unblank

[ 20.548276] tegradc 15210000.nvdisplay: blank - powerdown

[ 20.548280] tegradc 15220000.nvdisplay: blank - powerdown

[ 21.668640] fuse init (API version 7.26)

[ 22.587838] tegradc 15200000.nvdisplay: unblank

[ 22.587854] tegradc 15210000.nvdisplay: blank - powerdown

[ 22.587860] tegradc 15220000.nvdisplay: blank - powerdown