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 Wed Aug 7 14:12:54 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 , 3d800000

[ 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 vpr, start=0xf0000000 size=8000000

[ 0.000000] OF: fdt:Reserved memory: failed to reserve memory for node 'fb0\_carveout': base 0x0000000000000000, size 0 MiB

[ 0.000000] OF: fdt:Reserved memory: failed to reserve memory for node 'fb0\_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 '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: 4097536

[ 0.000000] DMA zone: 6680 pages used for memmap

[ 0.000000] DMA zone: 0 pages reserved

[ 0.000000] DMA zone: 427520 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 25 pages/cpu @ffffffc3ffd98000 s61592 r8192 d32616 u102400

[ 0.000000] pcpu-alloc: s61592 r8192 d32616 u102400 alloc=25\*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: 4033512

[ 0.000000] Kernel command line: root=/dev/mmcblk0p1 rw rootwait rootfstype=ext4 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 usbcore.old\_scheme\_first=1 tegraid=19.1.2.0.0 maxcpus=8 boot.slot\_suffix= boot.ratchetvalues=0.4.2 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: 29200(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: 15995592K/16390144K available (15038K kernel code, 2912K rwdata, 6560K rodata, 8576K init, 611K bss, 329016K 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 - 0xffffff8009e00000 ( 8576 KB)

[ 0.000000] .data : 0xffffff8009e00000 - 0xffffff800a0d8008 ( 2913 KB)

[ 0.000000] .bss : 0xffffff800a0d8008 - 0xffffff800a170d3c ( 612 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

[ 0.000012] sched\_clock: 56 bits at 31MHz, resolution 32ns, wraps every 4398046511088ns

[ 0.009449] Console: colour dummy device 80x25

[ 0.012433] console [tty0] enabled

[ 0.015914] bootconsole [tegra\_comb\_uart0] disabled

[ 0.020641] kmemleak: Kernel memory leak detector disabled

[ 0.020715] Calibrating delay loop (skipped), value calculated using timer frequency.. 62.50 BogoMIPS (lpj=125000)

[ 0.020796] pid\_max: default: 32768 minimum: 301

[ 0.022226] Security Framework initialized

[ 0.022964] Mount-cache hash table entries: 32768 (order: 6, 262144 bytes)

[ 0.023010] Mountpoint-cache hash table entries: 32768 (order: 6, 262144 bytes)

[ 0.025538] ftrace: allocating 46905 entries in 184 pages

[ 0.527718] sched-energy: Sched-energy-costs installed from DT

[ 0.527916] ASID allocator initialised with 65536 entries

[ 0.568597] tegra-id: chipid=21917.

[ 0.568649] tegra-id: opt\_subrevision=0.

[ 0.568707] Tegra Revision: A02 SKU: 0xd0 CPU Process: 0 SoC Process: 0

[ 0.568810] DTS File Name: ../arch/arm64/boot/dts/../../../../../../hardware/nvidia/platform/t19x/galen/kernel-dts/common/tegra194-p2888-0001-p2822-0000-common.dtsi

[ 0.568881] DTB Build time: Aug 7 2019 14:12:45

[ 0.618836] CPU1: Booted secondary processor [4e0f0040]

[ 0.651096] CPU2: Booted secondary processor [4e0f0040]

[ 0.683447] CPU3: Booted secondary processor [4e0f0040]

[ 0.715663] CPU4: Booted secondary processor [4e0f0040]

[ 0.747971] CPU5: Booted secondary processor [4e0f0040]

[ 0.780454] CPU6: Booted secondary processor [4e0f0040]

[ 0.812719] CPU7: Booted secondary processor [4e0f0040]

[ 0.813203] Brought up 8 CPUs

[ 0.813640] SMP: Total of 8 processors activated.

[ 0.813716] CPU features: detected feature: Privileged Access Never

[ 0.813789] CPU features: detected feature: LSE atomic instructions

[ 0.813859] CPU features: detected feature: User Access Override

[ 0.813928] CPU features: detected feature: 32-bit EL0 Support

[ 0.818294] CPU: All CPU(s) started at EL2

[ 0.818442] alternatives: patching kernel code

[ 0.829401] devtmpfs: initialized

[ 0.915890] Initilizing CustomIPI irq domain

[ 0.916371] clocksource: jiffies: mask: 0xffffffff max\_cycles: 0xffffffff, max\_idle\_ns: 7645041785100000 ns

[ 0.916487] futex hash table entries: 2048 (order: 5, 131072 bytes)

[ 0.918496] pinctrl core: initialized pinctrl subsystem

[ 0.918798] OS set in device tree is not L4T.

[ 0.919179] regulator-dummy: no parameters

[ 0.919548] Initializing plugin-manager

[ 0.919643] Plugin module not found

[ 0.919727] Plugin-manager status disabled

[ 0.921487] NET: Registered protocol family 16

[ 0.923224] pstore: using zlib compression

[ 0.924459] console [pstore-1] enabled

[ 0.924512] pstore: Registered ramoops as persistent store backend

[ 0.924592] ramoops: attached 0x200000@0xe8800000, ecc: 0/0

[ 0.945602] cpuidle: using governor menu

[ 0.947321] bpmp: waiting for handshake

[ 0.947393] bpmp: handshake completed

[ 0.947465] bpmp: synchronizing channels

[ 0.947522] bpmp: channels synchronized

[ 0.947575] bpmp: mail init ok

[ 0.951752] t19x-arm-smmu 12000000.iommu: found 3 SMMUs and ISO SMMU id is 2

[ 0.952212] t19x-arm-smmu 12000000.iommu: probing hardware configuration...

[ 0.952284] t19x-arm-smmu 12000000.iommu: SMMUv2 with:

[ 0.952341] t19x-arm-smmu 12000000.iommu: stage 1 translation

[ 0.952402] t19x-arm-smmu 12000000.iommu: stage 2 translation

[ 0.952463] t19x-arm-smmu 12000000.iommu: nested translation

[ 0.952524] t19x-arm-smmu 12000000.iommu: stream matching with 128 register groups, mask 0x7f80

[ 0.952636] t19x-arm-smmu 12000000.iommu: SMMU address space size (0x800000) differs from mapped region size (0x1000000)!

[ 0.952769] t19x-arm-smmu 12000000.iommu: 64 context banks (0 stage-2 only)

[ 0.952839] t19x-arm-smmu 12000000.iommu: Stage-1: 39-bit VA -> 48-bit IPA

[ 0.952905] t19x-arm-smmu 12000000.iommu: Stage-2: 39-bit IPA -> 48-bit PA

[ 0.958099] vdso: 2 pages (1 code @ ffffff8008f37000, 1 data @ ffffff8009e04000)

[ 0.958382] hw-breakpoint: found 6 breakpoint and 4 watchpoint registers.

[ 0.963056] atomic\_pool\_init():622: DMA: preallocated 1024 KiB pool for atomic allocations

[ 0.964615] Registering BPMP clocks...

[ 0.964855] tegra\_bpmp\_clk\_init: clock init ok (400 clks)

[ 0.965994] tegra\_powergate\_init: DONE

[ 0.966169] DTS File Name: ../arch/arm64/boot/dts/../../../../../../hardware/nvidia/platform/t19x/galen/kernel-dts/common/tegra194-p2888-0001-p2822-0000-common.dtsi

[ 0.966353] DTB Build time: Aug 7 2019 14:12:45

[ 0.970584] Tegra reboot handler registered.

[ 0.980470] iommu: Adding device 14180000.pcie to group 0

[ 0.981435] iommu: Adding device 14100000.pcie to group 1

[ 0.982444] iommu: Adding device 14140000.pcie to group 2

[ 0.983380] iommu: Adding device 141a0000.pcie to group 3

[ 0.985349] iommu: Adding device 2490000.ether\_qos to group 4

[ 0.986139] iommu: Adding device 3100000.serial to group 5

[ 0.986867] iommu: Adding device 3110000.serial to group 6

[ 0.987449] iommu: Adding device 3140000.serial to group 7

[ 0.988254] tegra-pmc c360000.pmc: scratch reg offset dts data not present

[ 0.988572] tegra-pmc: get\_secure\_pmc\_setting: done secure\_pmc=0

[ 0.988687] tegra-pmc: ### PMC reset source: TEGRA\_POWER\_ON\_RESET

[ 0.988740] tegra-pmc: ### PMC reset level: TEGRA\_RESET\_LEVEL\_L0

[ 0.988791] tegra-pmc: ### PMC reset status reg: 0x0

[ 0.988892] tegra-pmc: PMC Prod config success

[ 0.989209] padctrl padctrl.0: Pad control driver tegra-pmc-padctrl registered

[ 0.989300] tegra-pmc c360000.pmc: IO padctrl driver initialized

[ 0.989796] iommu: Adding device 3460000.sdhci to group 8

[ 0.990593] iommu: Adding device 3400000.sdhci to group 9

[ 0.991312] iommu: Adding device 2450000.ufshci to group 10

[ 0.992053] iommu: Adding device c260000.spi to group 11

[ 0.993189] iommu: Adding device 3160000.i2c to group 12

[ 0.993806] iommu: Adding device c240000.i2c to group 13

[ 0.994455] iommu: Adding device 3180000.i2c to group 14

[ 0.995034] iommu: Adding device 3190000.i2c to group 15

[ 0.995931] iommu: Adding device 31b0000.i2c to group 16

[ 0.996571] iommu: Adding device 31c0000.i2c to group 17

[ 0.997170] iommu: Adding device c250000.i2c to group 18

[ 0.997794] iommu: Adding device 31e0000.i2c to group 19

[ 0.998947] iommu: Adding device sound to group 20

[ 0.999728] iommu: Adding device 3510000.hda to group 21

[ 1.000579] iommu: Adding device bc00000.rtcpu to group 22

[ 1.003515] iommu: Adding device 13e10000.host1x to group 23

[ 1.004271] iommu: Adding device 13e10000.host1x:ctx0 to group 24

[ 1.005100] iommu: Adding device 13e10000.host1x:ctx1 to group 25

[ 1.005708] iommu: Adding device 13e10000.host1x:ctx2 to group 26

[ 1.006299] iommu: Adding device 13e10000.host1x:ctx3 to group 27

[ 1.006890] iommu: Adding device 13e10000.host1x:ctx4 to group 28

[ 1.007420] iommu: Adding device 13e10000.host1x:ctx5 to group 29

[ 1.007946] iommu: Adding device 13e10000.host1x:ctx6 to group 30

[ 1.008476] iommu: Adding device 13e10000.host1x:ctx7 to group 31

[ 1.009272] iommu: Adding device 15340000.vic to group 32

[ 1.009897] iommu: Adding device 15380000.nvjpg to group 33

[ 1.010323] iommu: Adding device 15500000.tsec to group 34

[ 1.010720] iommu: Adding device 15100000.tsecb to group 35

[ 1.011101] iommu: Adding device 15480000.nvdec to group 36

[ 1.011494] iommu: Adding device 15140000.nvdec1 to group 37

[ 1.011914] iommu: Adding device 154c0000.nvenc to group 38

[ 1.012295] iommu: Adding device 15a80000.nvenc1 to group 39

[ 1.012856] iommu: Adding device 15880000.nvdla0 to group 40

[ 1.013451] iommu: Adding device 158c0000.nvdla1 to group 41

[ 1.014265] iommu: Adding device 15200000.nvdisplay to group 42

[ 1.015773] platform 15200000.nvdisplay: IOVA linear map 0x00000000f0000000(8000000)

[ 1.015858] t19x-arm-smmu: Adding 15200000.nvdisplay to ISO SMMU client

[ 1.016493] iommu: Adding device 15210000.nvdisplay to group 43

[ 1.016593] t19x-arm-smmu: Adding 15210000.nvdisplay to ISO SMMU client

[ 1.017142] iommu: Adding device 15220000.nvdisplay to group 44

[ 1.017299] t19x-arm-smmu: Adding 15220000.nvdisplay to ISO SMMU client

[ 1.020013] iommu: Adding device 15c10000.vi to group 45

[ 1.020301] t19x-arm-smmu: Adding 15c10000.vi to ISO SMMU client

[ 1.020863] iommu: Adding device 14800000.isp to group 46

[ 1.022675] iommu: Adding device 16000000.pva0 to group 47

[ 1.023455] iommu: Adding device 16800000.pva1 to group 48

[ 1.024038] iommu: Adding device 15810000.se to group 49

[ 1.024604] iommu: Adding device 15820000.se to group 50

[ 1.024984] iommu: Adding device 15830000.se to group 51

[ 1.025388] iommu: Adding device 15840000.se to group 52

[ 1.025782] iommu: Adding device c1a0000.aon to group 53

[ 1.027626] iommu: Adding device d000000.bpmp to group 54

[ 1.028156] bpmp: ping status is 0

[ 1.028348] bpmp d000000.bpmp: firmware tag is c1b4e372932429f2737cf722e1219e71

[ 1.032161] bpmp d000000.bpmp: probe ok

[ 1.033996] tegra-reset 0.bpmp\_reset: registered 186 resets.

[ 1.034665] iommu: Adding device smmu\_test to group 55

[ 1.036031] mc: mapped MMIO address: 0xffffff800a540000 -> 0x2c10000

[ 1.036117] mc: mapped MMIO address: 0xffffff800a560000 -> 0x2c20000

[ 1.036196] mc: mapped MMIO address: 0xffffff800a580000 -> 0x2c30000

[ 1.036273] mc: mapped MMIO address: 0xffffff800a5a0000 -> 0x2c40000

[ 1.036348] mc: mapped MMIO address: 0xffffff800a5c0000 -> 0x2c50000

[ 1.036424] mc: mapped MMIO address: 0xffffff800a5e0000 -> 0x2b80000

[ 1.036500] mc: mapped MMIO address: 0xffffff800a7b0000 -> 0x2b90000

[ 1.036576] mc: mapped MMIO address: 0xffffff800a7d0000 -> 0x2ba0000

[ 1.036657] mc: mapped MMIO address: 0xffffff800b010000 -> 0x2bb0000

[ 1.036734] mc: mapped MMIO address: 0xffffff800b030000 -> 0x1700000

[ 1.036820] mc: mapped MMIO address: 0xffffff800b050000 -> 0x1710000

[ 1.036934] mc: mapped MMIO address: 0xffffff800b070000 -> 0x1720000

[ 1.037013] mc: mapped MMIO address: 0xffffff800b090000 -> 0x1730000

[ 1.037088] mc: mapped MMIO address: 0xffffff800b0b0000 -> 0x1740000

[ 1.037163] mc: mapped MMIO address: 0xffffff800b0d0000 -> 0x1750000

[ 1.037239] mc: mapped MMIO address: 0xffffff800b0f0000 -> 0x1760000

[ 1.037328] mc: mapped MMIO address: 0xffffff800b110000 -> 0x1770000

[ 1.037498] mc-err: mcerr ops are set to t19x

[ 1.045636] iommu: Adding device 2600000.dma to group 56

[ 1.052781] GPIO line 490 (pcie-reg-enable) hogged as output/high

[ 1.052879] GPIO line 289 (pcie-reg-enable) hogged as output/high

[ 1.052974] GPIO line 339 (wifi-enable) hogged as output/high

[ 1.053455] gpiochip\_setup\_dev: registered GPIOs 288 to 511 on device: gpiochip0 (tegra-gpio)

[ 1.062074] GPIO line 253 (pex-refclk-sel-low) hogged as output/low

[ 1.062588] gpiochip\_setup\_dev: registered GPIOs 248 to 287 on device: gpiochip1 (tegra-gpio-aon)

[ 1.065451] tegra186-aowake c370000.pmc: WAKE\_AOWAKE\_CTRL\_0 = 3

[ 1.065515] tegra186-aowake c370000.pmc: WAKE\_AOWAKE\_CNTRL\_24(PMU\_INT) = 256

[ 1.066566] iommu: Adding device 3550000.xudc to group 57

[ 1.067575] iommu: Adding device 3610000.xhci to group 58

[ 1.071052] arm64\_ras arm64\_ras: probed

[ 1.071660] ras\_fhi\_enable: FHI 477 enabled on CPU0

[ 1.071765] ras\_fhi\_enable: FHI 478 enabled on CPU1

[ 1.071946] ras\_fhi\_enable: FHI 479 enabled on CPU2

[ 1.072094] ras\_fhi\_enable: FHI 480 enabled on CPU3

[ 1.072228] ras\_fhi\_enable: FHI 481 enabled on CPU4

[ 1.072378] ras\_fhi\_enable: FHI 482 enabled on CPU5

[ 1.072513] ras\_fhi\_enable: FHI 483 enabled on CPU6

[ 1.072661] ras\_fhi\_enable: FHI 484 enabled on CPU7

[ 1.072981] carmel\_ras\_enable: RAS enabled on cpu0

[ 1.073305] carmel\_ras\_enable: RAS enabled on cpu1

[ 1.073626] carmel\_ras\_enable: RAS enabled on cpu2

[ 1.073958] carmel\_ras\_enable: RAS enabled on cpu3

[ 1.074282] carmel\_ras\_enable: RAS enabled on cpu4

[ 1.074582] carmel\_ras\_enable: RAS enabled on cpu5

[ 1.074871] carmel\_ras\_enable: RAS enabled on cpu6

[ 1.075155] carmel\_ras\_enable: RAS enabled on cpu7

[ 1.075315] carmel\_ras carmel\_ras: probed

[ 1.076903] tegra-cbb 2300000.cbb-noc: noc\_secure\_irq = 486, noc\_nonsecure\_irq = 485>

[ 1.077755] tegra-cbb c600000.aon-noc: noc\_secure\_irq = 488, noc\_nonsecure\_irq = 487>

[ 1.078971] tegra-cbb d600000.bpmp-noc: noc\_secure\_irq = 490, noc\_nonsecure\_irq = 489>

[ 1.080125] tegra-cbb be00000.rce-noc: noc\_secure\_irq = 492, noc\_nonsecure\_irq = 491>

[ 1.081316] tegra-cbb b600000.sce-noc: noc\_secure\_irq = 494, noc\_nonsecure\_irq = 493>

[ 1.081986] tegra-cbb 14040000.cv-noc: defer probe as CV-NOC not probed yet

[ 1.085364] vdd-3v3-cvb: 3300 mV

[ 1.085759] vdd-1v8-cvb: 1800 mV

[ 1.086308] vdd-1v8-sd: 1800 mV

[ 1.086855] vdd-epb-1v0: supplied by vdd-3v3-cvb

[ 1.086973] vdd-epb-1v0: 1000 mV

[ 1.087435] vdd-sdmmc1-sw: 3300 mV

[ 1.087929] avdd-cam-2v8: 2800 mV

[ 1.088447] vdd-sata-1v5: 1500 mV

[ 1.088845] vdd-1v8-slt: 1800 mV

[ 1.089269] vdd-3v3-slt: 3300 mV

[ 1.089650] vdd-fan: 5000 mV

[ 1.090075] vdd-hdmi-5v0: 5000 mV

[ 1.090573] vdd\_sys\_en: 1200 mV

[ 1.091122] vdd-5v-sata: 5000 mV

[ 1.091645] vdd-ac-bat: 5000 mV

[ 1.091919] vdd-5v-sata: supplied by vdd-ac-bat

[ 1.131780] HugeTLB registered 2 MB page size, pre-allocated 0 pages

[ 1.137870] eventlib\_kernel: keventlib is initialized, test id: 0

[ 1.138331] SCSI subsystem initialized

[ 1.138816] libata version 3.00 loaded.

[ 1.139288] usbcore: registered new interface driver usbfs

[ 1.139462] usbcore: registered new interface driver hub

[ 1.139663] usbcore: registered new device driver usb

[ 1.153264] tegra-i2c 31e0000.i2c: could not find pctldev for node /host1x/dpaux@155F0000/pinmux@0, deferring probe

[ 1.156362] max77620 4-003c: PMIC Version OTP:0x51 and ES:0x1

[ 1.163556] vdd-1v0: at 1000 mV

[ 1.167655] vdd-1v8-hs: at 1800 mV

[ 1.171642] vdd-1v8-ls: at 1800 mV

[ 1.175703] vdd-1v8-ao: at 1800 mV

[ 1.179732] vddio-ddr-1v1: at 1100 mV

[ 1.183509] vdd-rtc: at 800 mV

[ 1.184906] spmic-ldo1: at 2375 mV

[ 1.191609] vdd-ao-3v3: at 3300 mV

[ 1.199683] vddio-emmc-3v3: at 3300 mV

[ 1.201287] spmic-ldo4: at 1587 mV

[ 1.207740] vdd-usb-3v3: at 3300 mV

[ 1.215798] vddio-sdmmc1-3v3: at 3300 mV

[ 1.219826] vdd-csi-1v2: at 1200 mV

[ 1.221490] spmic-ldo8: at 1800 mV

[ 1.223617] GPIO line 246 (gpio\_default) hogged as output/high

[ 1.225261] GPIO line 247 (gpio\_default) hogged as output/high

[ 1.225741] gpiochip\_setup\_dev: registered GPIOs 240 to 247 on device: gpiochip2 (max77620-gpio)

[ 1.229375] max77620 4-003c: max77620 probe successful

[ 1.230131] media: Linux media interface: v0.10

[ 1.230222] Linux video capture interface: v2.00

[ 1.232019] pps\_core: LinuxPPS API ver. 1 registered

[ 1.232063] pps\_core: Software ver. 5.3.6 - Copyright 2005-2007 Rodolfo Giometti <giometti@linux.it>

[ 1.232146] PTP clock support registered

[ 1.232916] tegra\_wdt\_t18x 30c0000.watchdog: Tegra WDT init timeout = 120 sec

[ 1.233001] tegra\_wdt\_t18x 30c0000.watchdog: Registered successfully

[ 1.234407] tegra\_fiq\_debugger\_init: found FIQ source (IRQ 469)

[ 1.238009] trusty trusty: trusty version: Built: 16:57:18 Jul 16 2019

[ 1.238131] trusty trusty: selected api version: 3 (requested 3)

[ 1.239437] Advanced Linux Sound Architecture Driver Initialized.

[ 1.240014] Bluetooth: Core ver 2.22

[ 1.240108] NET: Registered protocol family 31

[ 1.240146] Bluetooth: HCI device and connection manager initialized

[ 1.240193] Bluetooth: HCI socket layer initialized

[ 1.240235] Bluetooth: L2CAP socket layer initialized

[ 1.240299] Bluetooth: SCO socket layer initialized

[ 1.243642] camchar: rtcpu character device driver loaded

[ 1.246009] clocksource: Switched to clocksource arch\_sys\_counter

[ 1.298993] VFS: Disk quotas dquot\_6.6.0

[ 1.299174] VFS: Dquot-cache hash table entries: 512 (order 0, 4096 bytes)

[ 1.299616] nvmap\_heap\_init: nvmap\_heap\_init: created heap block cache

[ 1.301553] tegra-carveouts tegra-carveouts: assigned reserved memory node grid-of-semaphores

[ 1.301694] tegra-carveouts tegra-carveouts: vpr :dma coherent mem declare 0x00000000f0000000,134217728

[ 1.301758] nvmap: nvmap\_select\_cache\_ops() nvmap cache ops set to scf

[ 1.301804] nvmap\_page\_pool\_init: Total RAM pages: 4015282

[ 1.301843] nvmap\_page\_pool\_init: nvmap page pool size: 501910 pages (1960 MB)

[ 1.302534] nvmap\_background\_zero\_thread: PP zeroing thread starting.

[ 1.303024] misc nvmap: created heap vpr base 0x00000000f0000000 size (131072KiB)

[ 1.304389] tegra-gpcdma 2600000.dma: GPC DMA driver register 31 channels

[ 1.320143] thermal thermal\_zone0: Registering thermal zone thermal\_zone0 for type CPU-therm

[ 1.320469] thermal thermal\_zone1: Registering thermal zone thermal\_zone1 for type GPU-therm

[ 1.320763] thermal thermal\_zone2: Registering thermal zone thermal\_zone2 for type AUX-therm

[ 1.321102] thermal thermal\_zone3: Registering thermal zone thermal\_zone3 for type AO-therm

[ 1.321562] thermal thermal\_zone4: Registering thermal zone thermal\_zone4 for type Tdiode\_tegra

[ 1.321860] thermal thermal\_zone5: Registering thermal zone thermal\_zone5 for type PMIC-Die

[ 1.322178] thermal thermal\_zone6: Registering thermal zone thermal\_zone6 for type Tboard\_tegra

[ 1.323644] la/ptsa driver initialized.

[ 1.324182] NET: Registered protocol family 2

[ 1.325377] TCP established hash table entries: 131072 (order: 8, 1048576 bytes)

[ 1.326334] TCP bind hash table entries: 65536 (order: 8, 1048576 bytes)

[ 1.327262] TCP: Hash tables configured (established 131072 bind 65536)

[ 1.327356] UDP hash table entries: 8192 (order: 6, 262144 bytes)

[ 1.327703] UDP-Lite hash table entries: 8192 (order: 6, 262144 bytes)

[ 1.328499] NET: Registered protocol family 1

[ 1.329490] RPC: Registered named UNIX socket transport module.

[ 1.329538] RPC: Registered udp transport module.

[ 1.329576] RPC: Registered tcp transport module.

[ 1.329642] RPC: Registered tcp NFSv4.1 backchannel transport module.

[ 1.329698] PCI: CLS 0 bytes, default 64

[ 1.329922] Trying to unpack rootfs image as initramfs...

[ 1.552429] Freeing initrd memory: 5432K

[ 1.570627] random: fast init done

[ 1.576316] host1x 13e10000.host1x: initialized

[ 1.580453] hw perfevents: enabled with armv8\_pmuv3 PMU driver, 7 counters available

[ 1.586738] audit: initializing netlink subsys (disabled)

[ 1.586853] audit: type=2000 audit(1.108:1): initialized

[ 1.587797] workingset: timestamp\_bits=46 max\_order=22 bucket\_order=0

[ 1.597028] squashfs: version 4.0 (2009/01/31) Phillip Lougher

[ 1.598673] ntfs: driver 2.1.32 [Flags: R/W].

[ 1.599566] 9p: Installing v9fs 9p2000 file system support

[ 1.605922] Block layer SCSI generic (bsg) driver version 0.4 loaded (major 240)

[ 1.606346] io scheduler noop registered

[ 1.606745] io scheduler cfq registered (default)

[ 1.610918] gic 2a41000.agic-controller: GIC IRQ controller registered

[ 1.650448] iommu: Adding device 2993000.adsp to group 59

[ 1.754262] iommu: Adding device aconnect@2a41000:adsp\_audio to group 60

[ 1.755507] tegra-aconnect aconnect@2a41000: Tegra ACONNECT bus registered

[ 1.772340] tegra-pwm 3280000.pwm: PWM clk can sleep in ops

[ 1.773090] tegra-pwm c340000.pwm: PWM clk can sleep in ops

[ 1.773910] tegra-pwm 32c0000.pwm: PWM clk can sleep in ops

[ 1.774491] tegra-pwm 32f0000.pwm: PWM clk can sleep in ops

[ 1.777815] tegra\_camera\_platform tegra-camera-platform: tegra\_camera\_probe:camera\_platform\_driver probe

[ 1.778268] misc tegra\_camera\_ctrl: tegra\_camera\_isomgr\_register tpg\_max\_iso = 3916800KBs

[ 1.778343] misc tegra\_camera\_ctrl: tegra\_camera\_isomgr\_register isp\_iso\_bw=4687500, vi\_iso\_bw=2000000, max\_bw=4687500

[ 1.783086] tsec 15500000.tsec: initialized

[ 1.785491] tsec 15100000.tsecb: initialized

[ 1.791720] nvdec 15480000.nvdec: initialized

[ 1.795696] nvdec 15140000.nvdec1: initialized

[ 1.803171] falcon 15340000.vic: initialized

[ 1.805908] falcon 15380000.nvjpg: initialized

[ 1.808416] falcon 154c0000.nvenc: initialized

[ 1.811169] falcon 15a80000.nvenc1: initialized

[ 1.814482] iommu\_context\_dev 13e10000.host1x:ctx0: initialized (streamid=56)

[ 1.817249] iommu\_context\_dev 13e10000.host1x:ctx1: initialized (streamid=57)

[ 1.819167] iommu\_context\_dev 13e10000.host1x:ctx2: initialized (streamid=58)

[ 1.821168] iommu\_context\_dev 13e10000.host1x:ctx3: initialized (streamid=59)

[ 1.823112] iommu\_context\_dev 13e10000.host1x:ctx4: initialized (streamid=60)

[ 1.824988] iommu\_context\_dev 13e10000.host1x:ctx5: initialized (streamid=61)

[ 1.826913] iommu\_context\_dev 13e10000.host1x:ctx6: initialized (streamid=62)

[ 1.828750] iommu\_context\_dev 13e10000.host1x:ctx7: initialized (streamid=63)

[ 1.833195] t194-nvcsi 15a00000.nvcsi: initialized

[ 1.839823] scare-pigeon 13e10000.host1x:vi-thi@15f00000: initialized

[ 1.840470] scare-pigeon 14b00000.isp-thi: initialized

[ 1.851248] pva 16000000.pva0: initialized

[ 1.882313] pva 16800000.pva1: initialized

[ 1.913497] nvdla 15880000.nvdla0: initialized

[ 1.944533] nvdla 158c0000.nvdla1: initialized

[ 1.948810] tegra-slvs-ec 15ac0000.slvs-ec: initialized

[ 1.949099] tegra-slvs-ec 15ac0000.slvs-ec: no streams defined

[ 1.949145] tegra-slvs-ec 15ac0000.slvs-ec: failed to init SLVS media controller (-19)

[ 1.949194] tegra-slvs-ec 15ac0000.slvs-ec: probed

[ 1.950432] tegradccommon 15200000.dc\_common: host1x channel mapped

[ 1.950524] tegradccommon 15200000.dc\_common: dc\_common syncpt # 1 allocated

[ 1.950623] tegradccommon 15200000.dc\_common: dma mapping done

[ 1.952109] tegradc 15200000.nvdisplay: disp0 connected to head0->/host1x/sor2

[ 1.952240] generic\_infoframe\_type: 0x87

[ 1.952439] tegradc 15200000.nvdisplay: DT parsed successfully

[ 1.952538] tegradc 15200000.nvdisplay: Display dc.ffffff800bd90000 registered with id=0

[ 1.958941] tegra\_nvdisp\_bandwidth\_register\_max\_config: max config iso bw = 15681600 KB/s

[ 1.959014] tegra\_nvdisp\_bandwidth\_register\_max\_config: max config EMC floor = 1066500000 Hz

[ 1.959114] tegra\_nvdisp\_bandwidth\_register\_max\_config: max config hubclk = 358400000 Hz

[ 1.959423] tegradc 15200000.nvdisplay: vblank syncpt # 8 for dc 0

[ 1.959474] tegradc 15200000.nvdisplay: vpulse3 syncpt # 9 for dc 0

[ 1.964262] tegradc 15200000.nvdisplay: hdmi: invalid prod list prod\_list\_hdmi\_board

[ 1.964324] tegradc 15200000.nvdisplay: hdmi: tegra\_hdmi\_tmds\_range\_read(bd) failed

[ 1.968242] tegra-adma 2930000.adma: Tegra210 ADMA driver registered 16 channels

[ 1.969383] tegra-fuse-burn 3820000.efuse:efuse-burn: Fuse burn driver initialized

[ 1.969552] tegradc 15200000.nvdisplay: probed

[ 1.969862] kfuse 3830000.kfuse: initialized

[ 1.979689] Serial: 8250/16550 driver, 4 ports, IRQ sharing disabled

[ 1.983520] 3100000.serial: ttyTHS0 at MMIO 0x3100000 (irq = 50, base\_baud = 0) is a TEGRA\_UART

[ 1.985570] 3110000.serial: ttyTHS1 at MMIO 0x3110000 (irq = 51, base\_baud = 0) is a TEGRA\_UART

[ 1.986843] 3140000.serial: ttyTHS4 at MMIO 0x3140000 (irq = 52, base\_baud = 0) is a TEGRA\_UART

[ 4.453209] console [ttyTCU0] enabled

[ 4.453627] Console: switching to colour frame buffer device 80x30

[ 4.453782] [drm] Initialized

[ 4.466254] tegradc 15200000.nvdisplay: fb registered

[ 4.471869] gpio tegra-gpio wake71 for gpio=98(M:2)

[ 4.478646] Could not get extcon-dev /host1x/nvdisplay@15210000:typec0(0)

[ 4.479706] brd: module loaded

[ 4.486738] Could not get extcon-dev /host1x/nvdisplay@15220000:typec1(1)

[ 4.490404] loop: module loaded

[ 4.490514] tegra\_profiler: version: 1.134, samples/io: 47/26

[ 4.490677] tegra\_profiler: auth: init

[ 4.491228] nct1008\_nct72 4-004c: starting parse dt

[ 4.491366] nct1008\_nct72 4-004c: !!!Found deprecated property!!!

[ 4.491379] nct1008\_nct72 4-004c: success parsing dt

[ 4.491588] nct1008\_nct72 4-004c: success in enabling tmp451 VDD rail

[ 4.491796] THERMAL EST: found 3 subdevs

[ 4.491803] THERMAL EST num\_resources: 0

[ 4.491808] [THERMAL EST subdev 0]

[ 4.491814] [THERMAL EST subdev 1]

[ 4.491819] [THERMAL EST subdev 2]

[ 4.491831] THERMAL EST: Found 2 profiles, default profile is quiet

[ 4.492243] thermal thermal\_zone7: Registering thermal zone thermal\_zone7 for type thermal-fan-est

[ 4.492248] THERMAL EST: thz register success.

[ 4.492435] THERMAL EST: end of probe, return err: 0

[ 4.493431] ufs\_tegra 2450000.ufshci: freq-table-hz property not specified

[ 4.493443] ufs\_tegra 2450000.ufshci: ufshcd\_populate\_vreg: Unable to find vdd-hba-supply regulator, assuming enabled

[ 4.494369] ufs\_tegra 2450000.ufshci: wakeup init done, cdirq 459

[ 4.494381] gpio tegra-gpio-aon wake25 for gpio=32(EE:0)

[ 4.509375] scsi host0: ufshcd

[ 4.522745] hisi\_sas: driver version v1.6

[ 4.524208] nct1008\_nct72 4-004c: LOC shutdown limit 107

[ 4.525275] nct1008\_nct72 4-004c: EXT shutdown limit 109

[ 4.529002] libphy: Fixed MDIO Bus: probed

[ 4.531628] tun: Universal TUN/TAP device driver, 1.6

[ 4.531632] tun: (C) 1999-2004 Max Krasnyansky <maxk@qualcomm.com>

[ 4.532798] e1000e: Intel(R) PRO/1000 Network Driver - 3.2.6-k

[ 4.532804] e1000e: Copyright(c) 1999 - 2015 Intel Corporation.

[ 4.532944] igb: Intel(R) Gigabit Ethernet Network Driver - version 5.4.0-k

[ 4.532948] igb: Copyright (c) 2007-2014 Intel Corporation.

[ 4.533058] igbvf: Intel(R) Gigabit Virtual Function Network Driver - version 2.4.0-k

[ 4.533062] igbvf: Copyright (c) 2009 - 2012 Intel Corporation.

[ 4.533169] Intel(R) 10GbE PCI Express Linux Network Driver - version 4.6.4

[ 4.533173] Copyright(c) 1999 - 2017 Intel Corporation.

[ 4.539298] eqos 2490000.ether\_qos: Setting local MAC: 0 4 4b cb 92 4c

[ 4.539495] libphy: dwc\_phy: probed

[ 4.542958] PPP generic driver version 2.4.2

[ 4.543413] PPP BSD Compression module registered

[ 4.543419] PPP Deflate Compression module registered

[ 4.543453] PPP MPPE Compression module registered

[ 4.543460] NET: Registered protocol family 24

[ 4.543588] usbcore: registered new interface driver r8152

[ 4.543703] usbcore: registered new interface driver asix

[ 4.543804] usbcore: registered new interface driver ax88179\_178a

[ 4.543906] usbcore: registered new interface driver cdc\_ether

[ 4.544085] usbcore: registered new interface driver net1080

[ 4.544172] usbcore: registered new interface driver cdc\_subset

[ 4.544220] usbcore: registered new interface driver zaurus

[ 4.544282] usbcore: registered new interface driver cdc\_ncm

[ 4.544562] VFIO - User Level meta-driver version: 0.3

[ 4.546260] ehci\_hcd: USB 2.0 'Enhanced' Host Controller (EHCI) Driver

[ 4.546279] ehci-pci: EHCI PCI platform driver

[ 4.546323] ohci\_hcd: USB 1.1 'Open' Host Controller (OHCI) Driver

[ 4.546333] ohci-pci: OHCI PCI platform driver

[ 4.546371] ohci-platform: OHCI generic platform driver

[ 4.554667] tegra-xusb 3610000.xhci: USB2 port 0 has OTG\_CAP

[ 4.554674] tegra-xusb 3610000.xhci: USB3 port 2 has OTG\_CAP

[ 4.557942] Could not get extcon-dev /xhci@3610000:id(0)

[ 4.558426] nct1008\_nct72 4-004c: initial LOC temp: 29000

[ 4.558985] nct1008\_nct72 4-004c: initial EXT temp: 42250

[ 4.560059] nct1008\_nct72 4-004c: hi\_b:-10, lo\_b:128

[ 4.561746] usbcore: registered new interface driver uas

[ 4.561818] usbcore: registered new interface driver usb-storage

[ 4.561907] usbcore: registered new interface driver usbserial

[ 4.565286] nct1008\_nct72 4-004c: nct1008\_probe: initialized

[ 4.566170] tegra-xudc-new 3550000.xudc: PMQOS CPU boost enabled

[ 4.566231] Could not get extcon-dev /xudc@3550000:vbus(0)

[ 4.569698] ucsi\_ccg 1-0008: FW1 Version: gn v12.05, [Base 3.1.2.1487]

[ 4.569708] ucsi\_ccg 1-0008: FW2 Version: gn v12.05, [Base 3.1.2.1487]

[ 4.570869] ucsi\_ccg 1-0008: fw\_mode: 2

[ 4.570877] ucsi\_ccg 1-0008: fw1\_invalid: 0

[ 4.570882] ucsi\_ccg 1-0008: fw2\_invalid: 0

[ 4.570889] ucsi\_ccg 1-0008: silicon\_id: 0x1f00

[ 4.571134] ucsi\_ccg 1-0008: typec-port0 extcon dev created

[ 4.571272] ucsi\_ccg 1-0008: typec-port1 extcon dev created

[ 4.571385] ucsi\_ccg 1-0008: typec-pd extcon dev created

[ 4.571558] gpio tegra-gpio-aon wake48 for gpio=10(BB:2)

[ 4.577278] ucsi\_ccg 1-0008: HPI Command Success.

[ 4.579780] ucsi\_ccg 1-0008: HPI Command Success.

[ 4.579802] ucsi\_ccg 1-0008: ucsi\_ccg\_init: complete

[ 4.580590] mousedev: PS/2 mouse device common for all mice

[ 4.580701] usbcore: registered new interface driver xpad

[ 4.713750] max77686-rtc max77620-rtc: rtc core: registered max77620-rtc as rtc0

[ 4.715732] Wake73 for irq=42

[ 4.717150] rtc rtc1: alarm rtc device

[ 4.717203] tegra\_rtc c2a0000.rtc: rtc core: registered c2a0000.rtc as rtc1

[ 4.717237] tegra\_rtc c2a0000.rtc: Tegra internal Real Time Clock

[ 4.717411] i2c /dev entries driver

[ 4.721046] max77620-power max20024-power: Event recorder REG\_NVERC : 0x44

[ 4.730282] tegra-thermal-throttle bthrot\_cdev: clk:cpu max:2265600000, min:115200000 steps:28

[ 4.784946] tegra-thermal-throttle bthrot\_cdev: clk:gpu max:1377000000, min:114750000 steps:13

[ 4.784985] tegra-thermal-throttle bthrot\_cdev: cdev:skin-balanced clk:0:cpu off:0 slope-adj:200

[ 4.784993] tegra-thermal-throttle bthrot\_cdev: cdev:skin-balanced clk:1:gpu off:0 slope-adj:400

[ 4.785194] tegra-thermal-throttle bthrot\_cdev: cdev:skin-balanced max\_state:56 cutoff:0

[ 4.785272] tegra-thermal-throttle bthrot\_cdev: cdev:gpu-balanced clk:0:cpu off:0 slope-adj:400

[ 4.785278] tegra-thermal-throttle bthrot\_cdev: cdev:gpu-balanced clk:1:gpu off:0 slope-adj:400

[ 4.785588] tegra-thermal-throttle bthrot\_cdev: cdev:gpu-balanced max\_state:52 cutoff:1

[ 4.785704] tegra-thermal-throttle bthrot\_cdev: cdev:cpu-balanced clk:0:cpu off:0 slope-adj:200

[ 4.785724] tegra-thermal-throttle bthrot\_cdev: cdev:cpu-balanced clk:1:gpu off:365500000 slope-adj:300

[ 4.786041] tegra-thermal-throttle bthrot\_cdev: cdev:cpu-balanced max\_state:56 cutoff:0

[ 4.786129] tegra-thermal-throttle bthrot\_cdev: cdev:emergency-balanced clk:0:cpu off:38400000 slope-adj:10

[ 4.786142] tegra-thermal-throttle bthrot\_cdev: cdev:emergency-balanced clk:1:gpu off:25500000 slope-adj:10

[ 4.786522] tegra-thermal-throttle bthrot\_cdev: cdev:emergency-balanced max\_state:2 cutoff:0

[ 4.786597] tegra-thermal-throttle bthrot\_cdev: cdev:aux-balanced clk:0:cpu off:0 slope-adj:400

[ 4.786604] tegra-thermal-throttle bthrot\_cdev: cdev:aux-balanced clk:1:gpu off:0 slope-adj:400

[ 4.786929] tegra-thermal-throttle bthrot\_cdev: cdev:aux-balanced max\_state:52 cutoff:1

[ 4.787767] FAN dev name: pwm-fan

[ 4.787834] FAN:gpio request success.

[ 4.787873] FAN: can't find tach\_gpio

[ 4.787886] pwm\_fan\_driver pwm-fan: Found 2 profiles, default profile is quiet

[ 4.787932] pwm\_fan\_driver pwm-fan: cap state:4, cap pwm:255

[ 4.788217] pwm\_fan\_driver pwm-fan: got pwm for fan. polarity is normal

[ 4.788225] pwm\_fan\_driver pwm-fan: tach period: 1000

[ 4.788590] pwm\_fan\_driver pwm-fan: index 0: pwm=0, rpm=0, rru=40, rrd=40, state:2

[ 4.788598] pwm\_fan\_driver pwm-fan: index 1: pwm=77, rpm=1000, rru=2, rrd=2, state:2

[ 4.788605] pwm\_fan\_driver pwm-fan: index 2: pwm=120, rpm=2000, rru=1, rrd=1, state:2

[ 4.788611] pwm\_fan\_driver pwm-fan: index 3: pwm=160, rpm=3000, rru=1, rrd=1, state:2

[ 4.788618] pwm\_fan\_driver pwm-fan: index 4: pwm=255, rpm=4000, rru=1, rrd=1, state:3

[ 4.788623] pwm\_fan\_driver pwm-fan: index 5: pwm=255, rpm=5000, rru=1, rrd=1, state:3

[ 4.788629] pwm\_fan\_driver pwm-fan: index 6: pwm=255, rpm=6000, rru=1, rrd=1, state:3

[ 4.788635] pwm\_fan\_driver pwm-fan: index 7: pwm=255, rpm=7000, rru=1, rrd=1, state:4

[ 4.788641] pwm\_fan\_driver pwm-fan: index 8: pwm=255, rpm=10000, rru=1, rrd=1, state:4

[ 4.788647] pwm\_fan\_driver pwm-fan: index 9: pwm=255, rpm=11000, rru=1, rrd=1, state:4

[ 4.789821] device-mapper: uevent: version 1.0.3

[ 4.790496] device-mapper: ioctl: 4.35.0-ioctl (2016-06-23) initialised: dm-devel@redhat.com

[ 4.803800] tegra194\_cpufreq\_probe: platform driver Initialization: pass

[ 4.805674] cpuidle: Initializing cpuidle driver

[ 4.817020] sdhci: Secure Digital Host Controller Interface driver

[ 4.817022] sdhci: Copyright(c) Pierre Ossman

[ 4.817025] sdhci-pltfm: SDHCI platform and OF driver helper

[ 4.819340] sdhci-tegra 3460000.sdhci: Client registration for eMC Successful

[ 4.822060] CMDQ: cmdq\_platfm\_init successful

[ 4.822508] sdhci-tegra 3400000.sdhci: Got CD GPIO

[ 4.823885] sdhci-tegra 3400000.sdhci: Client registration for eMC Successful

[ 4.825412] sdhci-tegra 3400000.sdhci: wakeup init done, cdirq 254

[ 4.829413] tegra-se-elp 3ad0000.se\_elp: tegra\_se\_elp\_probe: complete

[ 4.870015] mmc0: SDHCI controller on 3460000.sdhci [3460000.sdhci] using ADMA 64-bit with 64 bit addr

[ 4.878191] gpio tegra-gpio wake8 for gpio=55(G:7)

[ 4.878239] mmc1: SDHCI controller on 3400000.sdhci [3400000.sdhci] using ADMA 64-bit with 64 bit addr

[ 4.959877] mmc0: mmc\_decode\_ext\_csd: CMDQ supported: depth: 31, cmdq\_support: 1

[ 4.972442] mmc0: periodic cache flush enabled

[ 4.972456] mmc0: new HS400 Enhanced strobe MMC card at address 0001

[ 4.972996] mmcblk0: mmc0:0001 HBG4a2 29.1 GiB

[ 4.973243] mmcblk0boot0: mmc0:0001 HBG4a2 partition 1 8.00 MiB

[ 4.973431] mmcblk0boot1: mmc0:0001 HBG4a2 partition 2 8.00 MiB

[ 4.973640] mmcblk0rpmb: mmc0:0001 HBG4a2 partition 3 4.00 MiB

[ 4.976446] 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

[ 5.396137] tegra-se-nvhost 15810000.se: initialized

[ 5.401036] tegra-se-nvhost 15810000.se: tegra\_se\_probe: complete

[ 5.406655] tegra-se-nvhost 15820000.se: initialized

[ 5.411829] tegra-se-nvhost 15820000.se: tegra\_se\_probe: complete

[ 5.417695] tegra-se-nvhost 15830000.se: initialized

[ 5.422613] tegra-se-nvhost 15830000.se: tegra\_se\_probe: complete

[ 5.428498] tegra-se-nvhost 15840000.se: initialized

[ 5.433917] tegra-se-nvhost 15840000.se: tegra\_se\_probe: complete

[ 5.439383] hidraw: raw HID events driver (C) Jiri Kosina

[ 5.445670] usbcore: registered new interface driver usbhid

[ 5.450190] usbhid: USB HID core driver

[ 5.459719] tegra186-cam-rtcpu bc00000.rtcpu: deferring, 14800000.isp is not probed

[ 5.463007] tegra\_aon c1a0000.aon: tegra aon driver probe OK

[ 5.468211] tegra186-aondbg aondbg: aondbg driver probe() OK

[ 5.473954] denver\_knobs\_init:MTS\_VERSION:45309758

[ 5.478563] tegra19x\_actmon d230000.actmon: in actmon\_register()...

[ 5.485207] tegra19x\_actmon d230000.actmon: initialization Completed for the device mc\_all

[ 5.493283] t19x\_cache tegra-cache: probed

[ 5.503099] misc nvmap: cvsram :dma coherent mem declare 0x0000000050000000,4194304

[ 5.504756] misc nvmap: created heap cvsram base 0x0000000050000000 size (4096KiB)

[ 5.513960] nvpmodel: initialized successfully

[ 5.517424] trusty-virtio trusty:virtio: initializing

[ 5.521852] trusty\_ipc virtio0: vring0: va(pa) ffffffc3d9956000(0) qsz 32 notifyid 1

[ 5.529303] trusty\_ipc virtio0: vring1: va(pa) ffffffc3d9958000(0) qsz 32 notifyid 2

[ 5.537277] trusty-virtio trusty:virtio: initializing done

[ 5.537436] trusty\_ipc virtio0: is online

[ 5.547729] tegra-hda 3510000.hda: Override SDO lines to 4

[ 5.552212] usbcore: registered new interface driver snd-usb-audio

[ 5.567087] input: tegra-hda-galen-t194 HDMI/DP,pcm=3 as /devices/3510000.hda/sound/card0/input0

[ 5.567425] input: tegra-hda-galen-t194 HDMI/DP,pcm=7 as /devices/3510000.hda/sound/card0/input1

[ 5.576023] input: tegra-hda-galen-t194 HDMI/DP,pcm=8 as /devices/3510000.hda/sound/card0/input2

[ 5.584934] input: tegra-hda-galen-t194 HDMI/DP,pcm=9 as /devices/3510000.hda/sound/card0/input3

[ 7.370582] gpio tegra-gpio wake12 for gpio=149(S:5)

[ 7.465890] OPE platform probe

[ 7.466150] OPE platform probe successful

[ 7.599393] tegra-asoc: sound: ADMAIF1 <-> ADMAIF1 mapping ok

[ 7.599631] tegra-asoc: sound: ADMAIF2 <-> ADMAIF2 mapping ok

[ 7.599861] tegra-asoc: sound: ADMAIF3 <-> ADMAIF3 mapping ok

[ 7.600060] tegra-asoc: sound: ADMAIF4 <-> ADMAIF4 mapping ok

[ 7.600263] tegra-asoc: sound: ADMAIF5 <-> ADMAIF5 mapping ok

[ 7.600472] tegra-asoc: sound: ADMAIF6 <-> ADMAIF6 mapping ok

[ 7.600669] tegra-asoc: sound: ADMAIF7 <-> ADMAIF7 mapping ok

[ 7.600881] tegra-asoc: sound: ADMAIF8 <-> ADMAIF8 mapping ok

[ 7.601090] tegra-asoc: sound: ADMAIF9 <-> ADMAIF9 mapping ok

[ 7.601292] tegra-asoc: sound: ADMAIF10 <-> ADMAIF10 mapping ok

[ 7.601474] tegra-asoc: sound: ADMAIF11 <-> ADMAIF11 mapping ok

[ 7.601675] tegra-asoc: sound: ADMAIF12 <-> ADMAIF12 mapping ok

[ 7.601863] tegra-asoc: sound: ADMAIF13 <-> ADMAIF13 mapping ok

[ 7.602111] tegra-asoc: sound: ADMAIF14 <-> ADMAIF14 mapping ok

[ 7.602334] tegra-asoc: sound: ADMAIF15 <-> ADMAIF15 mapping ok

[ 7.602505] tegra-asoc: sound: ADMAIF16 <-> ADMAIF16 mapping ok

[ 7.602681] tegra-asoc: sound: ADMAIF17 <-> ADMAIF17 mapping ok

[ 7.607681] tegra-asoc: sound: ADMAIF18 <-> ADMAIF18 mapping ok

[ 7.613705] tegra-asoc: sound: ADMAIF19 <-> ADMAIF19 mapping ok

[ 7.619737] tegra-asoc: sound: ADMAIF20 <-> ADMAIF20 mapping ok

[ 7.658461] input: tegra-snd-t19x-mobile-rt565x Headset Jack as /devices/sound/sound/card1/input4

[ 7.659732] u32 classifier

[ 7.659816] Actions configured

[ 7.659963] Initializing XFRM netlink socket

[ 7.660547] NET: Registered protocol family 10

[ 7.661308] NET: Registered protocol family 17

[ 7.661416] NET: Registered protocol family 15

[ 7.661555] bridge: filtering via arp/ip/ip6tables is no longer available by default. Update your scripts to load br\_netfilter if you need this.

[ 7.671104] Bluetooth: RFCOMM socket layer initialized

[ 7.676462] Bluetooth: RFCOMM ver 1.11

[ 7.680313] Bluetooth: HIDP (Human Interface Emulation) ver 1.2

[ 7.686238] Bluetooth: HIDP socket layer initialized

[ 7.691238] 9pnet: Installing 9P2000 support

[ 7.695631] Key type dns\_resolver registered

[ 7.700509] Registered cp15\_barrier emulation handler

[ 7.705140] Registered setend emulation handler

[ 7.711208] registered taskstats version 1

[ 7.714360] pcie-tegra.c:nvidia,max-speed is 4 | NOTE: 1: Gen1, 2: Gen2, 3: Gen3, 4: Gen4

[ 7.722039] tegra-pcie-dw 14180000.pcie: PCIe max-speed check

[ 7.727773] tegra-pcie-dw 14180000.pcie: Setting init speed to max speed

[ 7.735729] OF: PCI: host bridge /pcie@14180000 ranges:

[ 7.739811] OF: PCI: IO 0x38100000..0x381fffff -> 0x38100000

[ 7.745735] OF: PCI: MEM 0x1b40000000..0x1bffffffff -> 0x40000000

[ 7.751854] OF: PCI: MEM 0x1800000000..0x1b3fffffff -> 0x1800000000

[ 8.270826] tegra-pcie-dw 14180000.pcie: link is down

[ 8.271195] tegra-pcie-dw 14180000.pcie: PCI host bridge to bus 0000:00

[ 8.271337] pci\_bus 0000:00: root bus resource [bus 00-ff]

[ 8.271438] pci\_bus 0000:00: root bus resource [io 0x0000-0xfffff] (bus address [0x38100000-0x381fffff])

[ 8.271618] pci\_bus 0000:00: root bus resource [mem 0x1b40000000-0x1bffffffff] (bus address [0x40000000-0xffffffff])

[ 8.271807] pci\_bus 0000:00: root bus resource [mem 0x1800000000-0x1b3fffffff pref]

[ 8.271971] pci 0000:00:00.0: [10de:1ad0] type 01 class 0x060400

[ 8.272140] pci 0000:00:00.0: PME# supported from D0 D3hot D3cold

[ 8.272397] iommu: Adding device 0000:00:00.0 to group 61

[ 8.272863] pci 0000:00:00.0: PCI bridge to [bus 01-ff]

[ 8.272976] pci 0000:00:00.0: Max Payload Size set to 256/ 256 (was 256), Max Read Rq 512

[ 8.273369] pcieport 0000:00:00.0: Signaling PME through PCIe PME interrupt

[ 8.273494] pcie\_pme 0000:00:00.0:pcie001: service driver pcie\_pme loaded

[ 8.273649] aer 0000:00:00.0:pcie002: service driver aer loaded

[ 8.273834] pcie\_pme 0000:00:00.0:pcie001: unloading service driver pcie\_pme

[ 8.273880] aer 0000:00:00.0:pcie002: unloading service driver aer

[ 8.273952] pci\_bus 0000:01: busn\_res: [bus 01-ff] is released

[ 8.274053] iommu: Removing device 0000:00:00.0 from group 61

[ 8.274187] pci\_bus 0000:00: busn\_res: [bus 00-ff] is released

[ 8.275434] tegra-pcie-dw 14180000.pcie: PCIe link is not up...!

[ 8.276808] pcie-tegra.c:nvidia,max-speed is 2 | NOTE: 1: Gen1, 2: Gen2, 3: Gen3, 4: Gen4

[ 8.277006] tegra-pcie-dw 14100000.pcie: PCIe max-speed check

[ 8.277125] tegra-pcie-dw 14100000.pcie: Setting init speed to max speed

[ 8.284062] OF: PCI: host bridge /pcie@14100000 ranges:

[ 8.288451] OF: PCI: IO 0x30100000..0x301fffff -> 0x30100000

[ 8.294270] OF: PCI: MEM 0x1230000000..0x123fffffff -> 0x40000000

[ 8.300473] OF: PCI: MEM 0x1200000000..0x122fffffff -> 0x1200000000

[ 8.418118] tegra-pcie-dw 14100000.pcie: link is up

[ 8.418547] tegra-pcie-dw 14100000.pcie: PCI host bridge to bus 0001:00

[ 8.418681] pci\_bus 0001:00: root bus resource [bus 00-ff]

[ 8.418789] pci\_bus 0001:00: root bus resource [io 0x100000-0x1fffff] (bus address [0x30100000-0x301fffff])

[ 8.418968] pci\_bus 0001:00: root bus resource [mem 0x1230000000-0x123fffffff] (bus address [0x40000000-0x4fffffff])

[ 8.419172] pci\_bus 0001:00: root bus resource [mem 0x1200000000-0x122fffffff pref]

[ 8.419339] pci 0001:00:00.0: [10de:1ad2] type 01 class 0x060400

[ 8.419483] pci 0001:00:00.0: PME# supported from D0 D3hot D3cold

[ 8.419693] iommu: Adding device 0001:00:00.0 to group 61

[ 8.420130] pci 0001:01:00.0: [1b4b:9171] type 00 class 0x010601

[ 8.420238] pci 0001:01:00.0: reg 0x10: [io 0x8000-0x8007]

[ 8.420304] pci 0001:01:00.0: reg 0x14: [io 0x8040-0x8043]

[ 8.420367] pci 0001:01:00.0: reg 0x18: [io 0x8100-0x8107]

[ 8.420430] pci 0001:01:00.0: reg 0x1c: [io 0x8140-0x8143]

[ 8.420492] pci 0001:01:00.0: reg 0x20: [io 0x800000-0x80000f]

[ 8.420555] pci 0001:01:00.0: reg 0x24: [mem 0x00900000-0x009001ff]

[ 8.420636] pci 0001:01:00.0: reg 0x30: [mem 0xd0000000-0xd000ffff pref]

[ 8.420961] pci 0001:01:00.0: PME# supported from D3hot

[ 8.421206] iommu: Adding device 0001:01:00.0 to group 62

[ 8.431093] pci 0001:00:00.0: BAR 14: assigned [mem 0x1230000000-0x12300fffff]

[ 8.431267] pci 0001:00:00.0: BAR 13: assigned [io 0x100000-0x100fff]

[ 8.431401] pci 0001:01:00.0: BAR 6: assigned [mem 0x1230000000-0x123000ffff pref]

[ 8.431573] pci 0001:01:00.0: BAR 5: assigned [mem 0x1230010000-0x12300101ff]

[ 8.431719] pci 0001:01:00.0: BAR 4: assigned [io 0x100000-0x10000f]

[ 8.431866] pci 0001:01:00.0: BAR 0: assigned [io 0x100010-0x100017]

[ 8.432010] pci 0001:01:00.0: BAR 2: assigned [io 0x100018-0x10001f]

[ 8.432142] pci 0001:01:00.0: BAR 1: assigned [io 0x100020-0x100023]

[ 8.437615] pci 0001:01:00.0: BAR 3: assigned [io 0x100024-0x100027]

[ 8.443913] pci 0001:00:00.0: PCI bridge to [bus 01-ff]

[ 8.449156] pci 0001:00:00.0: bridge window [io 0x100000-0x100fff]

[ 8.455609] pci 0001:00:00.0: bridge window [mem 0x1230000000-0x12300fffff]

[ 8.462885] pci 0001:00:00.0: Max Payload Size set to 256/ 256 (was 256), Max Read Rq 512

[ 8.471573] pci 0001:01:00.0: Max Payload Size set to 256/ 512 (was 128), Max Read Rq 512

[ 8.480300] pcieport 0001:00:00.0: Signaling PME through PCIe PME interrupt

[ 8.487011] pci 0001:01:00.0: Signaling PME through PCIe PME interrupt

[ 8.493511] pcie\_pme 0001:00:00.0:pcie001: service driver pcie\_pme loaded

[ 8.493632] aer 0001:00:00.0:pcie002: service driver aer loaded

[ 8.493915] ahci 0001:01:00.0: version 3.0

[ 8.494191] ahci 0001:01:00.0: AHCI 0001.0000 32 slots 1 ports 6 Gbps 0x1 impl SATA mode

[ 8.501596] ahci 0001:01:00.0: flags: 64bit ncq sntf led only pmp fbs pio slum part sxs

[ 8.510212] scsi host1: ahci

[ 8.512515] ata1: SATA max UDMA/133 abar m512@0x1230010000 port 0x1230010100 irq 563

[ 8.520502] pcie-tegra.c:nvidia,max-speed is 4 | NOTE: 1: Gen1, 2: Gen2, 3: Gen3, 4: Gen4

[ 8.528340] tegra-pcie-dw 14140000.pcie: PCIe max-speed check

[ 8.533910] tegra-pcie-dw 14140000.pcie: Setting init speed to max speed

[ 8.541468] OF: PCI: host bridge /pcie@14140000 ranges:

[ 8.545870] OF: PCI: IO 0x34100000..0x341fffff -> 0x34100000

[ 8.551708] OF: PCI: MEM 0x12b0000000..0x12bfffffff -> 0x40000000

[ 8.557910] OF: PCI: MEM 0x1280000000..0x12afffffff -> 0x1280000000

[ 8.832787] ata1: SATA link down (SStatus 0 SControl 300)

[ 9.078645] tegra-pcie-dw 14140000.pcie: link is down

[ 9.078952] tegra-pcie-dw 14140000.pcie: PCI host bridge to bus 0003:00

[ 9.079076] pci\_bus 0003:00: root bus resource [bus 00-ff]

[ 9.079173] pci\_bus 0003:00: root bus resource [io 0x200000-0x2fffff] (bus address [0x34100000-0x341fffff])

[ 9.079336] pci\_bus 0003:00: root bus resource [mem 0x12b0000000-0x12bfffffff] (bus address [0x40000000-0x4fffffff])

[ 9.079521] pci\_bus 0003:00: root bus resource [mem 0x1280000000-0x12afffffff pref]

[ 9.079676] pci 0003:00:00.0: [10de:1ad2] type 01 class 0x060400

[ 9.079828] pci 0003:00:00.0: PME# supported from D0 D3hot D3cold

[ 9.080032] iommu: Adding device 0003:00:00.0 to group 63

[ 9.080449] pci 0003:00:00.0: PCI bridge to [bus 01-ff]

[ 9.080558] pci 0003:00:00.0: Max Payload Size set to 256/ 256 (was 256), Max Read Rq 512

[ 9.080926] pcieport 0003:00:00.0: Signaling PME through PCIe PME interrupt

[ 9.081062] pcie\_pme 0003:00:00.0:pcie001: service driver pcie\_pme loaded

[ 9.081205] aer 0003:00:00.0:pcie002: service driver aer loaded

[ 9.081361] pcie\_pme 0003:00:00.0:pcie001: unloading service driver pcie\_pme

[ 9.081405] aer 0003:00:00.0:pcie002: unloading service driver aer

[ 9.081473] pci\_bus 0003:01: busn\_res: [bus 01-ff] is released

[ 9.081549] iommu: Removing device 0003:00:00.0 from group 63

[ 9.081719] pci\_bus 0003:00: busn\_res: [bus 00-ff] is released

[ 9.083090] tegra-pcie-dw 14140000.pcie: PCIe link is not up...!

[ 9.083799] pcie-tegra.c:nvidia,max-speed is 1 | NOTE: 1: Gen1, 2: Gen2, 3: Gen3, 4: Gen4

[ 9.083952] tegra-pcie-dw 141a0000.pcie: PCIe max-speed check

[ 9.084502] tegra-pcie-dw 141a0000.pcie: Setting init speed to max speed

[ 9.092477] OF: PCI: host bridge /pcie@141a0000 ranges:

[ 9.096457] OF: PCI: IO 0x3a100000..0x3a1fffff -> 0x3a100000

[ 9.102301] OF: PCI: MEM 0x1f40000000..0x1fffffffff -> 0x40000000

[ 9.108744] OF: PCI: MEM 0x1c00000000..0x1f3fffffff -> 0x1c00000000

[ 9.222065] tegra-pcie-dw 141a0000.pcie: link is up

[ 9.222430] tegra-pcie-dw 141a0000.pcie: PCI host bridge to bus 0005:00

[ 9.222551] pci\_bus 0005:00: root bus resource [bus 00-ff]

[ 9.222650] pci\_bus 0005:00: root bus resource [io 0x300000-0x3fffff] (bus address [0x3a100000-0x3a1fffff])

[ 9.222813] pci\_bus 0005:00: root bus resource [mem 0x1f40000000-0x1fffffffff] (bus address [0x40000000-0xffffffff])

[ 9.222990] pci\_bus 0005:00: root bus resource [mem 0x1c00000000-0x1f3fffffff pref]

[ 9.223167] pci 0005:00:00.0: [10de:1ad0] type 01 class 0x060400

[ 9.223337] pci 0005:00:00.0: PME# supported from D0 D3hot D3cold

[ 9.223521] iommu: Adding device 0005:00:00.0 to group 63

[ 9.223971] pci 0005:01:00.0: [12d8:2304] type 01 class 0x060400

[ 9.224807] pci 0005:01:00.0: supports D1 D2

[ 9.224811] pci 0005:01:00.0: PME# supported from D0 D1 D2 D3hot D3cold

[ 9.225112] iommu: Adding device 0005:01:00.0 to group 64

[ 9.234340] pci 0005:01:00.0: bridge configuration invalid ([bus 00-00]), reconfiguring

[ 9.235007] pci 0005:02:01.0: [12d8:2304] type 01 class 0x060400

[ 9.235863] pci 0005:02:01.0: supports D1 D2

[ 9.235867] pci 0005:02:01.0: PME# supported from D0 D1 D2 D3hot D3cold

[ 9.236215] iommu: Adding device 0005:02:01.0 to group 65

[ 9.236513] pci 0005:02:02.0: [12d8:2304] type 01 class 0x060400

[ 9.237381] pci 0005:02:02.0: supports D1 D2

[ 9.237385] pci 0005:02:02.0: PME# supported from D0 D1 D2 D3hot D3cold

[ 9.237693] iommu: Adding device 0005:02:02.0 to group 66

[ 9.238209] pci 0005:02:01.0: bridge configuration invalid ([bus 00-00]), reconfiguring

[ 9.238405] pci 0005:02:02.0: bridge configuration invalid ([bus 00-00]), reconfiguring

[ 9.239007] pci 0005:03:00.0: [10ec:8168] type 00 class 0x020000

[ 9.239132] pci 0005:03:00.0: reg 0x10: [io 0x0000-0x00ff]

[ 9.239293] pci 0005:03:00.0: reg 0x18: [mem 0x00000000-0x00000fff 64bit]

[ 9.239388] pci 0005:03:00.0: reg 0x20: [mem 0x00000000-0x00003fff 64bit pref]

[ 9.240060] pci 0005:03:00.0: supports D1 D2

[ 9.240064] pci 0005:03:00.0: PME# supported from D0 D1 D2 D3hot D3cold

[ 9.240425] iommu: Adding device 0005:03:00.0 to group 67

[ 9.240992] pci\_bus 0005:03: busn\_res: [bus 03-ff] end is updated to 03

[ 9.241441] pci 0005:04:00.0: [10ec:8168] type 00 class 0x020000

[ 9.241548] pci 0005:04:00.0: reg 0x10: [io 0x0000-0x00ff]

[ 9.241709] pci 0005:04:00.0: reg 0x18: [mem 0x00000000-0x00000fff 64bit]

[ 9.241805] pci 0005:04:00.0: reg 0x20: [mem 0x00000000-0x00003fff 64bit pref]

[ 9.242480] pci 0005:04:00.0: supports D1 D2

[ 9.242484] pci 0005:04:00.0: PME# supported from D0 D1 D2 D3hot D3cold

[ 9.242828] iommu: Adding device 0005:04:00.0 to group 68

[ 9.243411] pci\_bus 0005:04: busn\_res: [bus 04-ff] end is updated to 04

[ 9.243447] pci\_bus 0005:02: busn\_res: [bus 02-ff] end is updated to 04

[ 9.244307] pci 0005:00:00.0: BAR 14: assigned [mem 0x1f40000000-0x1f401fffff]

[ 9.244444] pci 0005:00:00.0: BAR 15: assigned [mem 0x1c00000000-0x1c001fffff 64bit pref]

[ 9.248339] pci 0005:00:00.0: BAR 13: assigned [io 0x300000-0x301fff]

[ 9.254809] pci 0005:01:00.0: BAR 14: assigned [mem 0x1f40000000-0x1f401fffff]

[ 9.262080] pci 0005:01:00.0: BAR 15: assigned [mem 0x1c00000000-0x1c001fffff 64bit pref]

[ 9.270378] pci 0005:01:00.0: BAR 13: assigned [io 0x300000-0x301fff]

[ 9.276861] pci 0005:02:01.0: BAR 14: assigned [mem 0x1f40000000-0x1f400fffff]

[ 9.284110] pci 0005:02:01.0: BAR 15: assigned [mem 0x1c00000000-0x1c000fffff 64bit pref]

[ 9.292441] pci 0005:02:02.0: BAR 14: assigned [mem 0x1f40100000-0x1f401fffff]

[ 9.299610] pci 0005:02:02.0: BAR 15: assigned [mem 0x1c00100000-0x1c001fffff 64bit pref]

[ 9.307953] pci 0005:02:01.0: BAR 13: assigned [io 0x300000-0x300fff]

[ 9.314483] pci 0005:02:02.0: BAR 13: assigned [io 0x301000-0x301fff]

[ 9.320615] pci 0005:03:00.0: BAR 4: assigned [mem 0x1c00000000-0x1c00003fff 64bit pref]

[ 9.328993] pci 0005:03:00.0: BAR 2: assigned [mem 0x1f40000000-0x1f40000fff 64bit]

[ 9.336674] pci 0005:03:00.0: BAR 0: assigned [io 0x300000-0x3000ff]

[ 9.343181] pci 0005:02:01.0: PCI bridge to [bus 03]

[ 9.348172] pci 0005:02:01.0: bridge window [io 0x300000-0x300fff]

[ 9.354657] pci 0005:02:01.0: bridge window [mem 0x1f40000000-0x1f400fffff]

[ 9.361557] pci 0005:02:01.0: bridge window [mem 0x1c00000000-0x1c000fffff 64bit pref]

[ 9.369907] pci 0005:04:00.0: BAR 4: assigned [mem 0x1c00100000-0x1c00103fff 64bit pref]

[ 9.377646] pci 0005:04:00.0: BAR 2: assigned [mem 0x1f40100000-0x1f40100fff 64bit]

[ 9.385766] pci 0005:04:00.0: BAR 0: assigned [io 0x301000-0x3010ff]

[ 9.392267] pci 0005:02:02.0: PCI bridge to [bus 04]

[ 9.397241] pci 0005:02:02.0: bridge window [io 0x301000-0x301fff]

[ 9.403658] pci 0005:02:02.0: bridge window [mem 0x1f40100000-0x1f401fffff]

[ 9.410905] pci 0005:02:02.0: bridge window [mem 0x1c00100000-0x1c001fffff 64bit pref]

[ 9.419082] pci 0005:01:00.0: PCI bridge to [bus 02-04]

[ 9.424191] pci 0005:01:00.0: bridge window [io 0x300000-0x301fff]

[ 9.430612] pci 0005:01:00.0: bridge window [mem 0x1f40000000-0x1f401fffff]

[ 9.437947] pci 0005:01:00.0: bridge window [mem 0x1c00000000-0x1c001fffff 64bit pref]

[ 9.445848] pci 0005:00:00.0: PCI bridge to [bus 01-ff]

[ 9.451316] pci 0005:00:00.0: bridge window [io 0x300000-0x301fff]

[ 9.457699] pci 0005:00:00.0: bridge window [mem 0x1f40000000-0x1f401fffff]

[ 9.464959] pci 0005:00:00.0: bridge window [mem 0x1c00000000-0x1c001fffff 64bit pref]

[ 9.473061] pci 0005:00:00.0: Max Payload Size set to 128/ 256 (was 256), Max Read Rq 512

[ 9.481573] pci 0005:01:00.0: Max Payload Size set to 128/ 256 (was 128), Max Read Rq 128

[ 9.490222] pci 0005:02:01.0: Max Payload Size set to 128/ 256 (was 128), Max Read Rq 128

[ 9.498803] pci 0005:03:00.0: Max Payload Size set to 128/ 128 (was 128), Max Read Rq 512

[ 9.507012] pci 0005:02:02.0: Max Payload Size set to 128/ 256 (was 128), Max Read Rq 128

[ 9.515932] pci 0005:04:00.0: Max Payload Size set to 128/ 128 (was 128), Max Read Rq 512

[ 9.524520] pcieport 0005:00:00.0: Signaling PME through PCIe PME interrupt

[ 9.531297] pci 0005:01:00.0: Signaling PME through PCIe PME interrupt

[ 9.537940] pci 0005:02:01.0: Signaling PME through PCIe PME interrupt

[ 9.544497] pci 0005:03:00.0: Signaling PME through PCIe PME interrupt

[ 9.550887] pci 0005:02:02.0: Signaling PME through PCIe PME interrupt

[ 9.557274] pci 0005:04:00.0: Signaling PME through PCIe PME interrupt

[ 9.563847] pcie\_pme 0005:00:00.0:pcie001: service driver pcie\_pme loaded

[ 9.564083] aer 0005:00:00.0:pcie002: service driver aer loaded

[ 9.567767] r8168 0005:03:00.0: enabling device (0000 -> 0003)

[ 9.569779] r8168 Gigabit Ethernet driver 8.045.08-NAPI loaded

[ 9.590186] r8168: This product is covered by one or more of the following patents: US6,570,884, US6,115,776, and US6,327,625.

[ 9.590415] r8168 Copyright (C) 2017 Realtek NIC software team <nicfae@realtek.com>

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[ 9.618267] r8168 0005:04:00.0: enabling device (0000 -> 0003)

[ 9.624042] r8168 Gigabit Ethernet driver 8.045.08-NAPI loaded

[ 9.644654] r8168: This product is covered by one or more of the following patents: US6,570,884, US6,115,776, and US6,327,625.

[ 9.644861] sysfs: cannot create duplicate filename '/kernel/rt8168\_power'

[ 9.648319] ------------[ cut here ]------------

[ 9.653001] WARNING: CPU: 0 PID: 1 at ../fs/sysfs/dir.c:31 sysfs\_warn\_dup+0x68/0x88

[ 9.660775] Modules linked in:

[ 9.665506] CPU: 0 PID: 1 Comm: swapper/0 Not tainted 4.9.140+ #4

[ 9.671798] Hardware name: Jetson-AGX (DT)

[ 9.675997] task: ffffffc3ee2f8000 task.stack: ffffffc3ee294000

[ 9.682035] PC is at sysfs\_warn\_dup+0x68/0x88

[ 9.686323] LR is at sysfs\_warn\_dup+0x68/0x88

[ 9.690610] pc : [<ffffff80082ec7c0>] lr : [<ffffff80082ec7c0>] pstate: 60c00045

[ 9.698045] sp : ffffffc3ee2974e0

[ 9.701469] x29: ffffffc3ee2974e0 x28: ffffffc3ec3210a0

[ 9.706984] x27: 0000000000000000 x26: ffffffc3ee2976e0

[ 9.712920] x25: ffffffc3d8288918 x24: ffffff800a13f2a0

[ 9.718520] x23: ffffffc3ece97140 x22: ffffffc3ec3210a0

[ 9.724208] x21: ffffffc3ece9a4b0 x20: ffffff800943b6a8

[ 9.729809] x19: ffffffc3d8293000 x18: 0000000000000010

[ 9.735408] x17: 0000000025b6e5b8 x16: 0000000083c24107

[ 9.741007] x15: 0000000000000006 x14: 705f383631387472

[ 9.746695] x13: 2f6c656e72656b2f x12: 2720656d616e656c

[ 9.752295] x11: 6966206574616369 x10: 6c70756420657461

[ 9.757984] x9 : 0000000000000368 x8 : 0000000000000051

[ 9.763757] x7 : ffffff8009e54318 x6 : 000000000000004e

[ 9.769270] x5 : 0000000000000000 x4 : 0000000000000000

[ 9.774609] x3 : ffffffffffffffff x2 : ffffff8009e242c8

[ 9.779945] x1 : ffffffc3ee2f8000 x0 : 000000000000003e

[ 9.786426] ---[ end trace 523aeb330e34d83b ]---

[ 9.791149] Call trace:

[ 9.793601] [<ffffff80082ec7c0>] sysfs\_warn\_dup+0x68/0x88

[ 9.798674] [<ffffff80082ec90c>] sysfs\_create\_dir\_ns+0xa4/0xb8

[ 9.804279] [<ffffff80084562a8>] kobject\_add\_internal+0x98/0x318

[ 9.809615] [<ffffff80084565b0>] kobject\_add+0x88/0xd8

[ 9.814686] [<ffffff8008456638>] kobject\_create\_and\_add+0x38/0x80

[ 9.820381] [<ffffff80089a4998>] rtl8168\_init\_one+0x1160/0x11f0

[ 9.825886] [<ffffff80089a4a78>] rtl8168\_probe+0x50/0xe0

[ 9.831055] [<ffffff80084d7f98>] pci\_device\_probe+0xa8/0x120

[ 9.836392] [<ffffff80087595e8>] driver\_probe\_device+0xd0/0x3f8

[ 9.841897] [<ffffff8008759aec>] \_\_device\_attach\_driver+0xb4/0x160

[ 9.847762] [<ffffff8008757204>] bus\_for\_each\_drv+0x6c/0xa8

[ 9.853361] [<ffffff800875935c>] \_\_device\_attach+0xcc/0x160

[ 9.858702] [<ffffff8008759414>] device\_attach+0x24/0x30

[ 9.864391] [<ffffff80084cbc28>] pci\_bus\_add\_device+0x58/0xb0

[ 9.869987] [<ffffff80084cbccc>] pci\_bus\_add\_devices+0x4c/0x98

[ 9.876022] [<ffffff80084cbcfc>] pci\_bus\_add\_devices+0x7c/0x98

[ 9.881716] [<ffffff80084cbcfc>] pci\_bus\_add\_devices+0x7c/0x98

[ 9.887837] [<ffffff80084cbcfc>] pci\_bus\_add\_devices+0x7c/0x98

[ 9.893796] [<ffffff80084fca84>] dw\_pcie\_host\_init+0x2ec/0x518

[ 9.899651] [<ffffff800850441c>] tegra\_pcie\_dw\_runtime\_resume+0x204/0x320

[ 9.906392] [<ffffff8008764594>] pm\_generic\_runtime\_resume+0x3c/0x58

[ 9.912864] [<ffffff8008771df8>] \_\_genpd\_runtime\_resume+0x38/0x98

[ 9.919073] [<ffffff8008774470>] genpd\_runtime\_resume+0x160/0x200

[ 9.924766] [<ffffff8008766838>] \_\_rpm\_callback+0x78/0xa0

[ 9.930102] [<ffffff8008766898>] rpm\_callback+0x38/0x98

[ 9.935610] [<ffffff8008767d78>] rpm\_resume+0x480/0x668

[ 9.940861] [<ffffff8008767fac>] \_\_pm\_runtime\_resume+0x4c/0x70

[ 9.946466] [<ffffff800850132c>] tegra\_pcie\_dw\_probe+0x78c/0xa30

[ 9.952588] [<ffffff800875c020>] platform\_drv\_probe+0x60/0xc8

[ 9.957928] [<ffffff80087595e8>] driver\_probe\_device+0xd0/0x3f8

[ 9.964048] [<ffffff8008759a34>] \_\_driver\_attach+0x124/0x128

[ 9.969389] [<ffffff800875711c>] bus\_for\_each\_dev+0x74/0xb0

[ 9.975424] [<ffffff8008758de0>] driver\_attach+0x30/0x40

[ 9.980760] [<ffffff8008758808>] bus\_add\_driver+0x1c8/0x2a8

[ 9.986102] [<ffffff800875a980>] driver\_register+0x68/0x100

[ 9.991961] [<ffffff800875bf64>] \_\_platform\_driver\_register+0x5c/0x68

[ 9.998440] [<ffffff80095ced80>] tegra\_pcie\_rp\_init+0x18/0x20

[ 10.004216] [<ffffff8008083afc>] do\_one\_initcall+0x44/0x130

[ 10.009994] [<ffffff80095a0d24>] kernel\_init\_freeable+0x1a0/0x240

[ 10.016119] [<ffffff8008f216a0>] kernel\_init+0x18/0x108

[ 10.021360] [<ffffff8008083850>] ret\_from\_fork+0x10/0x40

[ 10.026963] kobject\_add\_internal failed for rt8168\_power with -EEXIST, don't try to register things with the same name in the same directory.

[ 10.039356] kobject\_create\_and\_add: kobject\_add error: -17

[ 10.044662] unable to create rt8168\_power\_saver kernel object!

[ 10.050793] r8168 Copyright (C) 2017 Realtek NIC software team <nicfae@realtek.com>

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[ 10.094393] tegra-cbb 14040000.cv-noc: noc\_secure\_irq = 98, noc\_nonsecure\_irq = 97>

[ 10.100385] tegra194-isp5 14800000.isp: initialized

[ 10.108410] tegra194-vi5 15c10000.vi: initialized

[ 10.113152] tegra194-vi5 15c10000.vi: ep of\_device is not enabled /host1x/vi@15c10000/ports/port@0/endpoint.

[ 10.113344] tegra194-vi5 15c10000.vi: ep of\_device is not enabled /host1x/vi@15c10000/ports/port@1/endpoint.

[ 10.119117] tegradc 15210000.nvdisplay: disp1 connected to head1->/host1x/sor

[ 10.120582] tegra-xusb 3610000.xhci: USB2 port 0 has OTG\_CAP

[ 10.120585] tegra-xusb 3610000.xhci: USB3 port 2 has OTG\_CAP

[ 10.123110] tegra-xusb 3610000.xhci: extcon 0: ffffffc3d9e79800 id

[ 10.123655] tegra-xudc-new 3550000.xudc: PMQOS CPU boost enabled

[ 10.123681] tegra-xudc-new 3550000.xudc: device count: 1

[ 10.124529] tegra-xudc-new 3550000.xudc: vbus state: 0

[ 10.124533] tegra-xudc-new 3550000.xudc: Initialize boost\_cpufreq work

[ 10.125433] tegra186-cam-rtcpu bc00000.rtcpu: Trace buffer configured at IOVA=0xbff00000

[ 10.125609] tegra-xudc-new 3550000.xudc: entering ELPG

[ 10.125850] tegra-xudc-new 3550000.xudc: entering ELPG done

[ 10.125988] tegra-xusb 3610000.xhci: Firmware timestamp: 2018-03-29 14:24:42 UTC, Version: 60.05 release

[ 10.126059] tegra-xusb 3610000.xhci: xHCI Host Controller

[ 10.126074] tegra-xusb 3610000.xhci: new USB bus registered, assigned bus number 1

[ 10.127291] tegra-xusb 3610000.xhci: hcc params 0x0184ff25 hci version 0x110 quirks 0x00050810

[ 10.127330] tegra-xusb 3610000.xhci: irq 472, io mem 0x03610000

[ 10.127499] usb usb1: New USB device found, idVendor=1d6b, idProduct=0002

[ 10.127515] usb usb1: New USB device strings: Mfr=3, Product=2, SerialNumber=1

[ 10.127518] usb usb1: Product: xHCI Host Controller

[ 10.127520] usb usb1: Manufacturer: Linux 4.9.140+ xhci-hcd

[ 10.127523] usb usb1: SerialNumber: 3610000.xhci

[ 10.127953] hub 1-0:1.0: USB hub found

[ 10.127984] hub 1-0:1.0: 4 ports detected

[ 10.128218] tegra-xusb 3610000.xhci: xHCI Host Controller

[ 10.128226] tegra-xusb 3610000.xhci: new USB bus registered, assigned bus number 2

[ 10.128232] tegra-xusb 3610000.xhci: Host supports USB 3.1 Enhanced SuperSpeed

[ 10.128346] usb usb2: New USB device found, idVendor=1d6b, idProduct=0003

[ 10.128349] usb usb2: New USB device strings: Mfr=3, Product=2, SerialNumber=1

[ 10.128352] usb usb2: Product: xHCI Host Controller

[ 10.128354] usb usb2: Manufacturer: Linux 4.9.140+ xhci-hcd

[ 10.128356] usb usb2: SerialNumber: 3610000.xhci

[ 10.128600] hub 2-0:1.0: USB hub found

[ 10.128620] hub 2-0:1.0: 4 ports detected

[ 10.201530] tegra-ivc ivc-bc00000.rtcpu: region 0: iova=0xbfee0000-0xbfefffff size=131072

[ 10.201831] tegra-ivc ivc-bc00000.rtcpu:echo@0: echo: ver=0 grp=1 RX[16x64]=0x1000-0x1480 TX[16x64]=0x1480-0x1900

[ 10.202054] tegra-ivc ivc-bc00000.rtcpu:dbg@1: dbg: ver=0 grp=1 RX[1x384]=0x1900-0x1b00 TX[1x384]=0x1b00-0x1d00

[ 10.202220] tegra-ivc ivc-bc00000.rtcpu:dbg@2: dbg: ver=0 grp=1 RX[1x8192]=0x1d00-0x3d80 TX[1x8192]=0x3d80-0x5e00

[ 10.202546] tegra-ivc ivc-bc00000.rtcpu:ivccontrol@3: ivccontrol: ver=0 grp=1 RX[64x320]=0x5e00-0xae80 TX[64x320]=0xae80-0xff00

[ 10.202606] tegra-ivc ivc-bc00000.rtcpu:ivccapture@4: ivccapture: ver=0 grp=1 RX[512x64]=0xff00-0x17f80 TX[512x64]=0x17f80-0x20000

[ 10.202756] tegra186-cam-rtcpu bc00000.rtcpu: using cam RTCPU IRQ (69)

[ 10.202759] tegra186-cam-rtcpu bc00000.rtcpu: tegra\_camrtc\_mon\_create is successful

[ 10.203784] tegra186-cam-rtcpu bc00000.rtcpu: firmware version cpu=rce cmd=5 sha1=cf2bef3ad10e437272857b76308abef8ffb80bda

[ 10.204298] gpio tegra-gpio wake67 for gpio=48(G:0)

[ 10.204370] gpio tegra-gpio-aon wake29 for gpio=36(EE:4)

[ 10.204484] input: gpio-keys as /devices/gpio-keys/input/input5

[ 10.234237] usb usb1: usb\_suspend\_both: status 0

[ 10.236193] tegra\_rtc c2a0000.rtc: setting system clock to 2019-08-09 23:03:56 UTC (1565391836)

[ 10.236721] mmcblk mmc0:0001: Card claimed for testing.

[ 10.279520] bpmp: mounted debugfs mirror

[ 10.285728] vdd-1v8-cvb: disabling

[ 10.285731] vdd-1v8-sd: disabling

[ 10.285734] vdd-epb-1v0: disabling

[ 10.285737] avdd-cam-2v8: disabling

[ 10.285738] vdd-sata-1v5: disabling

[ 10.285740] vdd-3v3-slt: disabling

[ 10.285742] vdd-fan: disabling

[ 10.285744] vdd\_sys\_en: disabling

[ 10.285749] ALSA device list:

[ 10.285753] #0: tegra-hda-galen-t194 at 0x3518000 irq 68

[ 10.285754] #1: tegra-snd-t19x-mobile-rt565x

[ 10.483650] tegradc 15210000.nvdisplay: parse\_dp\_settings: No dp-lt-settings node

[ 10.491187] tegradc 15210000.nvdisplay: DT parsed successfully

[ 10.497080] tegradc 15210000.nvdisplay: Display dc.ffffff80111d0000 registered with id=1

[ 10.505170] tegradc 15210000.nvdisplay: vblank syncpt # 15 for dc 1

[ 10.511305] tegradc 15210000.nvdisplay: vpulse3 syncpt # 16 for dc 1

[ 10.525956] tegradc 15210000.nvdisplay: probed

[ 10.546826] tegradc 15210000.nvdisplay: fb registered

[ 10.550448] hpd: state 7 (Takeover from bootloader), hpd 0, pending\_hpd\_evt 1

[ 10.550630] hpd: switching from state 7 (Takeover from bootloader) to state 0 (Reset)

[ 10.550763] hpd: state 0 (Reset), hpd 0, pending\_hpd\_evt 0

[ 10.550872] tegradc 15210000.nvdisplay: blank - powerdown

[ 10.552767] extcon-disp-state external-connection:disp-state: cable 44 state 0 already set.

[ 10.554282] tegradc 15220000.nvdisplay: disp2 connected to head2->/host1x/sor1

[ 10.554325] tegradc 15220000.nvdisplay: parse\_dp\_settings: No dp-lt-settings node

[ 10.554384] tegradc 15220000.nvdisplay: DT parsed successfully

[ 10.554418] tegradc 15220000.nvdisplay: Display dc.ffffff8011310000 registered with id=2

[ 10.554616] tegradc 15220000.nvdisplay: vblank syncpt # 17 for dc 2

[ 10.554619] tegradc 15220000.nvdisplay: vpulse3 syncpt # 18 for dc 2

[ 10.602662] Extcon DP: HPD disabled

[ 10.606332] hpd: hpd\_switch 0

[ 10.609201] hpd: switching from state 0 (Reset) to state 1 (Check Plug)

[ 10.616346] hpd: state 1 (Check Plug), hpd 0, pending\_hpd\_evt 0

[ 10.622043] hpd: switching from state 1 (Check Plug) to state 3 (Disabled)

[ 10.631129] tegradc 15220000.nvdisplay: probed

[ 10.653986] tegradc 15220000.nvdisplay: fb registered

[ 10.657495] hpd: state 7 (Takeover from bootloader), hpd 0, pending\_hpd\_evt 1

[ 10.657667] hpd: switching from state 7 (Takeover from bootloader) to state 0 (Reset)

[ 10.657799] hpd: state 0 (Reset), hpd 0, pending\_hpd\_evt 0

[ 10.659452] tegradc 15220000.nvdisplay: blank - powerdown

[ 10.659972] Freeing unused kernel memory: 8576K

[ 10.669503] extcon-disp-state external-connection:disp-state: cable 44 state 0 already set.

[ 10.669522] Extcon DP: HPD disabled

[ 10.669525] hpd: hpd\_switch 0

[ 10.669527] hpd: switching from state 0 (Reset) to state 1 (Check Plug)

[ 10.669537] hpd: state 1 (Check Plug), hpd 0, pending\_hpd\_evt 0

[ 10.669543] hpd: switching from state 1 (Check Plug) to state 3 (Disabled)

[ 10.727523] L4T-INITRD Build DATE: Fri Aug 9 23:03:56 UTC 2019

[ 10.733673] Root device found: mmcblk0p1

[ 10.735152] Found dev node: /dev/mmcblk0p1

[ 10.790202] EXT4-fs (mmcblk0p1): mounted filesystem with ordered data mode. Opts: (null)

[ 10.791224] Rootfs mounted over mmcblk0p1

[ 10.810352] Switching from initrd to actual rootfs

[ 10.927088] ip\_tables: (C) 2000-2006 Netfilter Core Team

[ 10.930274] cgroup: cgroup2: unknown option "nsdelegate"

[ 10.939747] 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)

[ 10.940782] systemd[1]: Detected architecture arm64.

[ 10.948039] systemd[1]: Set hostname to <ebots-rp>.

[ 11.019054] 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.

[ 11.019363] systemd[1]: Proceeding WITHOUT firewalling in effect! (This warning is only shown for the first loaded unit using IP firewalling.)

[ 11.151815] random: systemd: uninitialized urandom read (16 bytes read)

[ 11.152269] systemd[1]: Started Forward Password Requests to Wall Directory Watch.

[ 11.152670] random: systemd: uninitialized urandom read (16 bytes read)

[ 11.155661] systemd[1]: Created slice User and Session Slice.

[ 11.156050] random: systemd: uninitialized urandom read (16 bytes read)

[ 11.156201] systemd[1]: Reached target User and Group Name Lookups.

[ 11.156442] systemd[1]: Reached target Swap.

[ 11.157746] systemd[1]: Created slice System Slice.

[ 11.188992] gpio tegra-gpio wake44 for gpio=192(Y:0)

[ 11.197559] EXT4-fs (mmcblk0p1): re-mounted. Opts: (null)

[ 11.527803] systemd-journald[2471]: Received request to flush runtime journal from PID 1

[ 11.567698] nvgpu: 17000000.gv11b nvgpu\_nvhost\_syncpt\_init:291 [INFO] syncpt\_unit\_base 60000000 syncpt\_unit\_size 400000 size 1000

[ 12.064146] using random self ethernet address

[ 12.064258] using random host ethernet address

[ 12.085447] Mass Storage Function, version: 2009/09/11

[ 12.085464] LUN: removable file: (no medium)

[ 12.092067] using random self ethernet address

[ 12.092194] using random host ethernet address

[ 12.122596] rndis0: HOST MAC 02:3a:04:ea:a1:40

[ 12.123059] rndis0: MAC 02:3a:04:ea:a1:41

[ 12.127392] usb0: HOST MAC 02:3a:04:ea:a1:42

[ 12.127438] usb0: MAC 02:3a:04:ea:a1:43

[ 12.127463] tegra-xudc-new 3550000.xudc: exiting ELPG

[ 12.127999] tegra-xudc-new 3550000.xudc: exiting ELPG done

[ 12.128017] tegra-xudc-new 3550000.xudc: ep 0 (type: 0, dir: out) enabled

[ 12.128075] tegra-xudc-new 3550000.xudc: entering ELPG

[ 12.128291] tegra-xudc-new 3550000.xudc: entering ELPG done

[ 12.128312] tegra-xudc-new 3550000.xudc: exiting ELPG

[ 12.128750] tegra-xudc-new 3550000.xudc: exiting ELPG done

[ 12.128779] tegra-xudc-new 3550000.xudc: entering ELPG

[ 12.128944] tegra-xudc-new 3550000.xudc: entering ELPG done

[ 12.134936] l4tbr0: port 1(rndis0) entered blocking state

[ 12.134944] l4tbr0: port 1(rndis0) entered disabled state

[ 12.135119] device rndis0 entered promiscuous mode

[ 12.140541] IPv6: ADDRCONF(NETDEV\_UP): rndis0: link is not ready

[ 12.145581] l4tbr0: port 2(usb0) entered blocking state

[ 12.145590] l4tbr0: port 2(usb0) entered disabled state

[ 12.145770] device usb0 entered promiscuous mode

[ 12.150908] IPv6: ADDRCONF(NETDEV\_UP): usb0: link is not ready

[ 12.370017] random: crng init done

[ 12.370123] random: 7 urandom warning(s) missed due to ratelimiting

[ 12.902633] IPv6: ADDRCONF(NETDEV\_UP): eth0: link is not ready

[ 12.975080] gpio tegra-gpio wake20 for gpio=52(G:4)

[ 12.981555] IPv6: ADDRCONF(NETDEV\_UP): eth0: link is not ready

[ 12.997558] IPv6: ADDRCONF(NETDEV\_UP): eth1: link is not ready

[ 12.999183] eth1: 0xffffff800b0ec000, 68:1c:a2:12:ef:b5, IRQ 821

[ 13.069355] IPv6: ADDRCONF(NETDEV\_UP): eth1: link is not ready

[ 13.084935] IPv6: ADDRCONF(NETDEV\_UP): eth2: link is not ready

[ 13.086517] zram: Added device: zram0

[ 13.086752] eth2: 0xffffff800b0ee000, 68:1c:a2:12:ef:b6, IRQ 822

[ 13.089133] zram: Added device: zram1

[ 13.089534] zram: Added device: zram2

[ 13.089895] zram: Added device: zram3

[ 13.090272] zram: Added device: zram4

[ 13.095135] zram: Added device: zram5

[ 13.097706] zram: Added device: zram6

[ 13.100193] zram: Added device: zram7

[ 13.126648] ras\_fhi\_disable: FHI 481 disabled

[ 13.127215] CPU4: shutdown

[ 13.127333] psci: CPU4 killed.

[ 13.156320] IPv6: ADDRCONF(NETDEV\_UP): eth2: link is not ready

[ 13.254649] ras\_fhi\_disable: FHI 482 disabled

[ 13.257427] CPU5: shutdown

[ 13.257568] psci: CPU5 killed.

[ 13.262127] zram0: detected capacity change from 0 to 1028808704

[ 13.274505] Adding 1004692k swap on /dev/zram0. Priority:5 extents:1 across:1004692k SS

[ 13.354606] ras\_fhi\_disable: FHI 483 disabled

[ 13.355194] CPU6: shutdown

[ 13.355292] psci: CPU6 killed.

[ 13.364685] zram1: detected capacity change from 0 to 1028808704

[ 13.376641] Adding 1004692k swap on /dev/zram1. Priority:5 extents:1 across:1004692k SS

[ 13.402623] ras\_fhi\_disable: FHI 484 disabled

[ 13.408272] CPU7: shutdown

[ 13.408377] psci: CPU7 killed.

[ 13.428366] nvgpu: 17000000.gv11b tpc\_pg\_mask\_store:832 [INFO] no value change, same mask already set

[ 13.428687] zram2: detected capacity change from 0 to 1028808704

[ 13.451616] Adding 1004692k swap on /dev/zram2. Priority:5 extents:1 across:1004692k SS

[ 13.464426] zram3: detected capacity change from 0 to 1028808704

[ 13.487736] Adding 1004692k swap on /dev/zram3. Priority:5 extents:1 across:1004692k SS

[ 13.496915] zram4: detected capacity change from 0 to 1028808704

[ 13.520559] Adding 1004692k swap on /dev/zram4. Priority:5 extents:1 across:1004692k SS

[ 13.525853] zram5: detected capacity change from 0 to 1028808704

[ 13.551211] Adding 1004692k swap on /dev/zram5. Priority:5 extents:1 across:1004692k SS

[ 13.558993] zram6: detected capacity change from 0 to 1028808704

[ 13.632135] Adding 1004692k swap on /dev/zram6. Priority:5 extents:1 across:1004692k SS

[ 13.654675] zram7: detected capacity change from 0 to 1028808704

[ 13.692522] Adding 1004692k swap on /dev/zram7. Priority:5 extents:1 across:1004692k SS

[ 14.303287] Wake76 for irq=199

[ 14.303318] Wake77 for irq=199

[ 14.303323] Wake78 for irq=199

[ 14.303328] Wake79 for irq=199

[ 14.303337] Wake80 for irq=199

[ 14.303342] Wake81 for irq=199

[ 14.303381] Wake82 for irq=199

[ 14.303459] tegra-xusb 3610000.xhci: Upgrade port 0 to USB3.0

[ 14.303471] tegra-xusb 3610000.xhci: Upgrade port 1 to USB3.0

[ 14.406823] usb usb2: usb\_suspend\_both: status 0

[ 14.573044] eqos 2490000.ether\_qos eth0: Link is Up - 100Mbps/Full - flow control rx/tx

[ 14.573809] IPv6: ADDRCONF(NETDEV\_CHANGE): eth0: link becomes ready

[ 15.053079] tegradc 15200000.nvdisplay: blank - powerdown

[ 15.053116] tegradc 15210000.nvdisplay: blank - powerdown

[ 15.053132] tegradc 15220000.nvdisplay: blank - powerdown

[ 16.314311] tegra-xusb 3610000.xhci: entering ELPG

[ 16.322165] tegra-xusb 3610000.xhci: entering ELPG done

[ 24.754537] edid invalid

[ 24.891854] tegradc 15200000.nvdisplay: blank - powerdown

[ 24.892473] tegradc 15200000.nvdisplay: unblank

[ 24.893790] tegra\_nvdisp\_handle\_pd\_enable: Unpowergated Head0 pd

[ 24.894064] tegra\_nvdisp\_handle\_pd\_enable: Unpowergated Head1 pd

[ 24.902748] Parent Clock set for DC plld3

[ 24.908240] tegradc 15200000.nvdisplay: hdmi: tmds rate:148500K prod-setting:prod\_c\_hdmi\_111m\_223m

[ 24.909616] tegradc 15200000.nvdisplay: hdmi: get RGB quant from EDID.

[ 24.909627] tegradc 15200000.nvdisplay: hdmi: get YCC quant from EDID.

[ 24.944337] extcon-disp-state external-connection:disp-state: cable 48 state 1

[ 24.944342] Extcon AUX2(HDMI) enable

[ 24.944446] extcon-disp-state external-connection:disp-state: cable 40 state 1

[ 24.944451] Extcon HDMI: HPD enabled

[ 24.944484] tegradc 15200000.nvdisplay: hdmi: plugged

[ 24.947676] tegradc 15200000.nvdisplay: blank - powerdown

[ 25.009914] extcon-disp-state external-connection:disp-state: cable 48 state 0

[ 25.009920] Extcon AUX2(HDMI) disable

[ 25.051359] tegra\_nvdisp\_handle\_pd\_disable: Powergated Head1 pd

[ 25.052432] tegra\_nvdisp\_handle\_pd\_disable: Powergated Head0 pd

[ 25.052889] tegradc 15210000.nvdisplay: blank - powerdown

[ 25.052913] tegradc 15220000.nvdisplay: blank - powerdown

[ 26.042891] tegradc 15200000.nvdisplay: blank - powerdown

[ 26.042925] tegradc 15200000.nvdisplay: unblank

[ 26.043910] tegra\_nvdisp\_handle\_pd\_enable: Unpowergated Head0 pd

[ 26.044056] tegra\_nvdisp\_handle\_pd\_enable: Unpowergated Head1 pd

[ 26.047144] Parent Clock set for DC plld3

[ 26.067236] tegradc 15200000.nvdisplay: hdmi: tmds rate:148500K prod-setting:prod\_c\_hdmi\_111m\_223m

[ 26.068815] tegradc 15200000.nvdisplay: hdmi: get RGB quant from EDID.

[ 26.068827] tegradc 15200000.nvdisplay: hdmi: get YCC quant from EDID.

[ 26.110884] extcon-disp-state external-connection:disp-state: cable 48 state 1

[ 26.110889] Extcon AUX2(HDMI) enable

[ 26.111013] tegradc 15200000.nvdisplay: unblank

[ 26.111029] tegradc 15210000.nvdisplay: blank - powerdown

[ 26.111040] tegradc 15220000.nvdisplay: blank - powerdown

[ 40.986927] tegra-xusb 3610000.xhci: exiting ELPG

[ 40.995629] tegra-xusb 3610000.xhci: Firmware timestamp: 2018-03-29 14:24:42 UTC, Version: 60.05 release

[ 40.997858] tegra-xusb 3610000.xhci: exiting ELPG done

[ 41.226192] usb 1-4: new high-speed USB device number 2 using tegra-xusb

[ 41.260789] usb 1-4: New USB device found, idVendor=0bda, idProduct=5411

[ 41.260803] usb 1-4: New USB device strings: Mfr=1, Product=2, SerialNumber=0

[ 41.260810] usb 1-4: Product: 4-Port USB 2.0 Hub

[ 41.260818] usb 1-4: Manufacturer: Generic

[ 41.265875] hub 1-4:1.0: USB hub found

[ 41.266951] hub 1-4:1.0: 4 ports detected

[ 41.371498] usb 2-4: new SuperSpeed USB device number 2 using tegra-xusb

[ 41.408335] usb 2-4: New USB device found, idVendor=0bda, idProduct=0411

[ 41.408350] usb 2-4: New USB device strings: Mfr=1, Product=2, SerialNumber=0

[ 41.408357] usb 2-4: Product: 4-Port USB 3.0 Hub

[ 41.408363] usb 2-4: Manufacturer: Generic

[ 41.420257] hub 2-4:1.0: USB hub found

[ 41.421730] hub 2-4:1.0: 4 ports detected

[ 41.562195] usb 1-4.1: new full-speed USB device number 3 using tegra-xusb

[ 41.590515] usb 1-4.1: New USB device found, idVendor=413c, idProduct=301c

[ 41.590535] usb 1-4.1: New USB device strings: Mfr=1, Product=2, SerialNumber=0

[ 41.590543] usb 1-4.1: Product: Dell Universal Receiver

[ 41.590550] usb 1-4.1: Manufacturer: Dell

[ 41.597931] input: Dell Dell Universal Receiver as /devices/3610000.xhci/usb1/1-4/1-4.1/1-4.1:1.0/0003:413C:301C.0001/input/input6

[ 41.660951] hid-generic 0003:413C:301C.0001: input,hidraw0: USB HID v1.11 Keyboard [Dell Dell Universal Receiver] on usb-3610000.xhci-4.1/input0

[ 41.664992] input: Dell Dell Universal Receiver as /devices/3610000.xhci/usb1/1-4/1-4.1/1-4.1:1.1/0003:413C:301C.0002/input/input7

[ 41.715487] usb 2-4.3: new SuperSpeed USB device number 3 using tegra-xusb

[ 41.723113] hid-generic 0003:413C:301C.0002: input,hidraw1: USB HID v1.11 Mouse [Dell Dell Universal Receiver] on usb-3610000.xhci-4.1/input1

[ 41.726883] hid-generic 0003:413C:301C.0003: hidraw2: USB HID v1.11 Device [Dell Dell Universal Receiver] on usb-3610000.xhci-4.1/input2

[ 41.743430] usb 2-4.3: New USB device found, idVendor=090c, idProduct=1000

[ 41.743445] usb 2-4.3: New USB device strings: Mfr=1, Product=2, SerialNumber=0

[ 41.743454] usb 2-4.3: Product: USB DISK

[ 41.743486] usb 2-4.3: Manufacturer: SMI Corporation

[ 41.751895] usb-storage 2-4.3:1.0: USB Mass Storage device detected

[ 41.752637] scsi host2: usb-storage 2-4.3:1.0

[ 41.822190] usb 1-4.2: new low-speed USB device number 4 using tegra-xusb

[ 41.847218] usb 1-4.2: New USB device found, idVendor=04f2, idProduct=0939

[ 41.847235] usb 1-4.2: New USB device strings: Mfr=1, Product=2, SerialNumber=0

[ 41.847268] usb 1-4.2: Product: USB Optical Mouse

[ 41.847274] usb 1-4.2: Manufacturer: PixArt

[ 41.852361] input: PixArt USB Optical Mouse as /devices/3610000.xhci/usb1/1-4/1-4.2/1-4.2:1.0/0003:04F2:0939.0004/input/input8

[ 41.853513] hid-generic 0003:04F2:0939.0004: input,hidraw3: USB HID v1.11 Mouse [PixArt USB Optical Mouse] on usb-3610000.xhci-4.2/input0

[ 43.228261] scsi 2:0:0:0: Direct-Access SMI USB DISK 1100 PQ: 0 ANSI: 6

[ 43.233586] sd 2:0:0:0: [sda] 61440000 512-byte logical blocks: (31.5 GB/29.3 GiB)

[ 43.234969] sd 2:0:0:0: [sda] Write Protect is off

[ 43.235126] sd 2:0:0:0: [sda] Mode Sense: 43 00 00 00

[ 43.236068] sd 2:0:0:0: [sda] Write cache: enabled, read cache: enabled, doesn't support DPO or FUA

[ 43.255915] sda: sda1

[ 43.260588] sd 2:0:0:0: [sda] Attached SCSI removable disk

[ 50.813262] tegradc 15200000.nvdisplay: blank - powerdown

[ 50.869244] extcon-disp-state external-connection:disp-state: cable 48 state 0

[ 50.869251] Extcon AUX2(HDMI) disable

[ 50.894063] tegra\_nvdisp\_handle\_pd\_disable: Powergated Head1 pd

[ 50.894929] tegra\_nvdisp\_handle\_pd\_disable: Powergated Head0 pd

[ 50.895449] tegradc 15210000.nvdisplay: blank - powerdown

[ 50.895468] tegradc 15220000.nvdisplay: blank - powerdown

[ 51.122204] tegradc 15200000.nvdisplay: blank - powerdown

[ 51.122257] tegradc 15200000.nvdisplay: unblank

[ 51.123429] tegra\_nvdisp\_handle\_pd\_enable: Unpowergated Head0 pd

[ 51.123612] tegra\_nvdisp\_handle\_pd\_enable: Unpowergated Head1 pd

[ 51.131658] Parent Clock set for DC plld3

[ 51.137106] tegradc 15200000.nvdisplay: hdmi: tmds rate:148500K prod-setting:prod\_c\_hdmi\_111m\_223m

[ 51.138524] tegradc 15200000.nvdisplay: hdmi: get RGB quant from EDID.

[ 51.138536] tegradc 15200000.nvdisplay: hdmi: get YCC quant from EDID.

[ 51.174278] extcon-disp-state external-connection:disp-state: cable 48 state 1

[ 51.174308] Extcon AUX2(HDMI) enable

[ 51.174400] tegradc 15200000.nvdisplay: unblank

[ 51.174416] tegradc 15210000.nvdisplay: blank - powerdown

[ 51.174427] tegradc 15220000.nvdisplay: blank - powerdown

[ 56.349029] Bluetooth: BNEP (Ethernet Emulation) ver 1.3

[ 56.349067] Bluetooth: BNEP socket layer initialized

[ 56.791180] fuse init (API version 7.26)

[ 57.119184] tegradc 15200000.nvdisplay: unblank

[ 57.119207] tegradc 15210000.nvdisplay: blank - powerdown

[ 57.119220] tegradc 15220000.nvdisplay: blank - powerdown

[ 62.235410] FAT-fs (sda1): Volume was not properly unmounted. Some data may be corrupt. Please run fsck.

ebots@ebots-rp:~$ ifconfig

eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet 192.168.1.137 netmask 255.255.255.0 broadcast 192.168.1.255

inet6 fe80::bab:1356:e683:3ea prefixlen 64 scopeid 0x20<link>

inet6 2601:641:c000:249:8970:e5ae:f74f:3ee9 prefixlen 64 scopeid 0x0<global>

inet6 2601:641:c000:249:ee58:7a05:209d:8219 prefixlen 64 scopeid 0x0<global>

ether 00:04:4b:cb:92:4c txqueuelen 1000 (Ethernet)

RX packets 910 bytes 210337 (210.3 KB)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 229 bytes 26991 (26.9 KB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

device interrupt 40

eth1: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500

ether 68:1c:a2:12:ef:b5 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 0 bytes 0 (0.0 B)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

device interrupt 53 base 0xc000

eth2: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500

ether 68:1c:a2:12:ef:b6 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 0 bytes 0 (0.0 B)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

device interrupt 54 base 0xe000

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536

inet 127.0.0.1 netmask 255.0.0.0

inet6 ::1 prefixlen 128 scopeid 0x10<host>

loop txqueuelen 1 (Local Loopback)

RX packets 169 bytes 12739 (12.7 KB)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 169 bytes 12739 (12.7 KB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

rndis0: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500

ether 02:3a:04:ea:a1:41 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 0 bytes 0 (0.0 B)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

usb0: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500

ether 02:3a:04:ea:a1:43 txqueuelen 1000 (Ethernet)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 0 bytes 0 (0.0 B)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

ebots@ebots-rp:~$ sudo -s

[sudo] password for ebots:

root@ebots-rp:~# lspci -vvvv

0001:00:00.0 PCI bridge: NVIDIA Corporation Device 1ad2 (rev a1) (prog-if 00 [Normal decode])

Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR+ FastB2B- DisINTx-

Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort- <MAbort- >SERR- <PERR- INTx-

Latency: 0

Interrupt: pin A routed to IRQ 34

Bus: primary=00, secondary=01, subordinate=ff, sec-latency=0

I/O behind bridge: 00000000-00000fff

Memory behind bridge: 40000000-400fffff

Prefetchable memory behind bridge: 00000000fff00000-00000000000fffff

Secondary status: 66MHz- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort- <MAbort- <SERR- <PERR-

BridgeCtl: Parity- SERR- NoISA- VGA- MAbort- >Reset- FastB2B-

PriDiscTmr- SecDiscTmr- DiscTmrStat- DiscTmrSERREn-

Capabilities: [40] Power Management version 3

Flags: PMEClk- DSI- D1- D2- AuxCurrent=375mA PME(D0+,D1-,D2-,D3hot+,D3cold+)

Status: D0 NoSoftRst+ PME-Enable- DSel=0 DScale=0 PME-

Capabilities: [50] MSI: Enable- Count=1/1 Maskable- 64bit+

Address: 0000000000000000 Data: 0000

Capabilities: [70] Express (v2) Root Port (Slot-), MSI 00

DevCap: MaxPayload 256 bytes, PhantFunc 0

ExtTag- RBE+

DevCtl: Report errors: Correctable+ Non-Fatal+ Fatal+ Unsupported+

RlxdOrd+ ExtTag- PhantFunc- AuxPwr- NoSnoop+

MaxPayload 256 bytes, MaxReadReq 512 bytes

DevSta: CorrErr- UncorrErr- FatalErr- UnsuppReq- AuxPwr+ TransPend-

LnkCap: Port #0, Speed 5GT/s, Width x1, ASPM L0s L1, Exit Latency L0s <1us, L1 <64us

ClockPM- Surprise+ LLActRep+ BwNot+ ASPMOptComp+

LnkCtl: ASPM Disabled; RCB 64 bytes Disabled- CommClk+

ExtSynch- ClockPM- AutWidDis- BWInt+ AutBWInt-

LnkSta: Speed 5GT/s, Width x1, TrErr- Train- SlotClk+ DLActive+ BWMgmt+ ABWMgmt+

RootCtl: ErrCorrectable- ErrNon-Fatal- ErrFatal- PMEIntEna+ CRSVisible+

RootCap: CRSVisible+

RootSta: PME ReqID 0000, PMEStatus- PMEPending-

DevCap2: Completion Timeout: Range ABCD, TimeoutDis+, LTR+, OBFF Not Supported ARIFwd-

DevCtl2: Completion Timeout: 50us to 50ms, TimeoutDis-, LTR+, OBFF Disabled ARIFwd-

LnkCtl2: Target Link Speed: 5GT/s, EnterCompliance- SpeedDis-

Transmit Margin: Normal Operating Range, EnterModifiedCompliance- ComplianceSOS-

Compliance De-emphasis: -6dB

LnkSta2: Current De-emphasis Level: -6dB, EqualizationComplete-, EqualizationPhase1-

EqualizationPhase2-, EqualizationPhase3-, LinkEqualizationRequest-

Capabilities: [b0] MSI-X: Enable- Count=1 Masked-

Vector table: BAR=0 offset=00000000

PBA: BAR=0 offset=00000000

Capabilities: [100 v2] Advanced Error Reporting

UESta: DLP- SDES- TLP- FCP- CmpltTO- CmpltAbrt- UnxCmplt- RxOF- MalfTLP- ECRC- UnsupReq- ACSViol-

UEMsk: DLP- SDES- TLP- FCP- CmpltTO- CmpltAbrt- UnxCmplt- RxOF- MalfTLP- ECRC- UnsupReq- ACSViol-

UESvrt: DLP+ SDES+ TLP- FCP+ CmpltTO- CmpltAbrt- UnxCmplt- RxOF+ MalfTLP+ ECRC- UnsupReq- ACSViol-

CESta: RxErr- BadTLP- BadDLLP- Rollover- Timeout- NonFatalErr-

CEMsk: RxErr- BadTLP- BadDLLP- Rollover- Timeout- NonFatalErr+

AERCap: First Error Pointer: 00, GenCap+ CGenEn- ChkCap+ ChkEn-

Capabilities: [148 v1] #19

Capabilities: [158 v1] #26

Capabilities: [17c v1] #27

Capabilities: [190 v1] L1 PM Substates

L1SubCap: PCI-PM\_L1.2+ PCI-PM\_L1.1+ ASPM\_L1.2- ASPM\_L1.1- L1\_PM\_Substates+

PortCommonModeRestoreTime=60us PortTPowerOnTime=40us

L1SubCtl1: PCI-PM\_L1.2- PCI-PM\_L1.1- ASPM\_L1.2- ASPM\_L1.1-

T\_CommonMode=60us

L1SubCtl2: T\_PwrOn=40us

Capabilities: [1a0 v1] Vendor Specific Information: ID=0002 Rev=4 Len=100 <?>

Capabilities: [2a0 v1] Vendor Specific Information: ID=0001 Rev=1 Len=038 <?>

Capabilities: [2d8 v1] #25

Capabilities: [2e4 v1] Precision Time Measurement

PTMCap: Requester:- Responder:+ Root:+

PTMClockGranularity: 16ns

PTMControl: Enabled:- RootSelected:-

PTMEffectiveGranularity: Unknown

Capabilities: [2f0 v1] Vendor Specific Information: ID=0004 Rev=1 Len=054 <?>

Kernel driver in use: pcieport

0001:01:00.0 SATA controller: Marvell Technology Group Ltd. Device 9171 (rev 13) (prog-if 01 [AHCI 1.0])

Subsystem: Marvell Technology Group Ltd. Device 9171

Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR- FastB2B- DisINTx+

Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort- <MAbort- >SERR- <PERR- INTx-

Latency: 0

Interrupt: pin A routed to IRQ 563

Region 0: I/O ports at 100010 [size=8]

Region 1: I/O ports at 100020 [size=4]

Region 2: I/O ports at 100018 [size=8]

Region 3: I/O ports at 100024 [size=4]

Region 4: I/O ports at 100000 [size=16]

Region 5: Memory at 1230010000 (32-bit, non-prefetchable) [size=512]

Expansion ROM at 1230000000 [disabled] [size=64K]

Capabilities: [40] Power Management version 3

Flags: PMEClk- DSI- D1- D2- AuxCurrent=0mA PME(D0-,D1-,D2-,D3hot+,D3cold-)

Status: D0 NoSoftRst- PME-Enable- DSel=0 DScale=0 PME-

Capabilities: [50] MSI: Enable+ Count=1/1 Maskable- 64bit-

Address: fffff000 Data: 0000

Capabilities: [70] Express (v2) Legacy Endpoint, MSI 00

DevCap: MaxPayload 512 bytes, PhantFunc 0, Latency L0s <1us, L1 <64us

ExtTag- AttnBtn- AttnInd- PwrInd- RBE+ FLReset-

DevCtl: Report errors: Correctable- Non-Fatal- Fatal- Unsupported-

RlxdOrd+ ExtTag- PhantFunc- AuxPwr- NoSnoop-

MaxPayload 256 bytes, MaxReadReq 512 bytes

DevSta: CorrErr- UncorrErr- FatalErr- UnsuppReq- AuxPwr- TransPend-

LnkCap: Port #0, Speed 5GT/s, Width x1, ASPM L0s L1, Exit Latency L0s <512ns, L1 <64us

ClockPM- Surprise- LLActRep- BwNot- ASPMOptComp-

LnkCtl: ASPM Disabled; RCB 64 bytes Disabled- CommClk+

ExtSynch- ClockPM- AutWidDis- BWInt- AutBWInt-

LnkSta: Speed 5GT/s, Width x1, TrErr- Train- SlotClk+ DLActive- BWMgmt- ABWMgmt-

DevCap2: Completion Timeout: Not Supported, TimeoutDis+, LTR-, OBFF Not Supported

DevCtl2: Completion Timeout: 50us to 50ms, TimeoutDis-, LTR-, OBFF Disabled

LnkCtl2: Target Link Speed: 5GT/s, EnterCompliance- SpeedDis-

Transmit Margin: Normal Operating Range, EnterModifiedCompliance- ComplianceSOS-

Compliance De-emphasis: -6dB

LnkSta2: Current De-emphasis Level: -6dB, EqualizationComplete-, EqualizationPhase1-

EqualizationPhase2-, EqualizationPhase3-, LinkEqualizationRequest-

Capabilities: [100 v1] Advanced Error Reporting

UESta: DLP- SDES- TLP- FCP- CmpltTO- CmpltAbrt- UnxCmplt- RxOF- MalfTLP- ECRC- UnsupReq- ACSViol-

UEMsk: DLP- SDES- TLP- FCP- CmpltTO- CmpltAbrt- UnxCmplt- RxOF- MalfTLP- ECRC- UnsupReq- ACSViol-

UESvrt: DLP+ SDES+ TLP- FCP+ CmpltTO- CmpltAbrt- UnxCmplt- RxOF+ MalfTLP+ ECRC- UnsupReq- ACSViol-

CESta: RxErr- BadTLP- BadDLLP- Rollover- Timeout- NonFatalErr-

CEMsk: RxErr- BadTLP- BadDLLP- Rollover- Timeout- NonFatalErr+

AERCap: First Error Pointer: 00, GenCap- CGenEn- ChkCap- ChkEn-

Kernel driver in use: ahci

0005:00:00.0 PCI bridge: NVIDIA Corporation Device 1ad0 (rev a1) (prog-if 00 [Normal decode])

Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR+ FastB2B- DisINTx-

Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort- <MAbort- >SERR- <PERR- INTx-

Latency: 0

Interrupt: pin A routed to IRQ 38

Bus: primary=00, secondary=01, subordinate=ff, sec-latency=0

I/O behind bridge: 00000000-00001fff

Memory behind bridge: 40000000-401fffff

Prefetchable memory behind bridge: 0000001c00000000-0000001c001fffff

Secondary status: 66MHz- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort- <MAbort+ <SERR- <PERR-

BridgeCtl: Parity- SERR- NoISA- VGA- MAbort- >Reset- FastB2B-

PriDiscTmr- SecDiscTmr- DiscTmrStat- DiscTmrSERREn-

Capabilities: [40] Power Management version 3

Flags: PMEClk- DSI- D1- D2- AuxCurrent=375mA PME(D0+,D1-,D2-,D3hot+,D3cold+)

Status: D0 NoSoftRst+ PME-Enable- DSel=0 DScale=0 PME-

Capabilities: [50] MSI: Enable- Count=1/1 Maskable+ 64bit+

Address: 0000000000000000 Data: 0000

Masking: 00000000 Pending: 00000000

Capabilities: [70] Express (v2) Root Port (Slot-), MSI 00

DevCap: MaxPayload 256 bytes, PhantFunc 0

ExtTag- RBE+

DevCtl: Report errors: Correctable+ Non-Fatal+ Fatal+ Unsupported+

RlxdOrd+ ExtTag- PhantFunc- AuxPwr- NoSnoop+

MaxPayload 128 bytes, MaxReadReq 512 bytes

DevSta: CorrErr- UncorrErr- FatalErr- UnsuppReq- AuxPwr+ TransPend-

LnkCap: Port #0, Speed 2.5GT/s, Width x8, ASPM not supported, Exit Latency L0s <1us, L1 <64us

ClockPM- Surprise+ LLActRep+ BwNot+ ASPMOptComp+

LnkCtl: ASPM Disabled; RCB 64 bytes Disabled- CommClk+

ExtSynch- ClockPM- AutWidDis- BWInt+ AutBWInt-

LnkSta: Speed 2.5GT/s, Width x1, TrErr- Train- SlotClk+ DLActive+ BWMgmt+ ABWMgmt-

RootCtl: ErrCorrectable- ErrNon-Fatal- ErrFatal- PMEIntEna+ CRSVisible+

RootCap: CRSVisible+

RootSta: PME ReqID 0000, PMEStatus- PMEPending-

DevCap2: Completion Timeout: Range ABCD, TimeoutDis+, LTR+, OBFF Not Supported ARIFwd-

DevCtl2: Completion Timeout: 50us to 50ms, TimeoutDis-, LTR+, OBFF Disabled ARIFwd-

LnkCtl2: Target Link Speed: 2.5GT/s, EnterCompliance- SpeedDis-

Transmit Margin: Normal Operating Range, EnterModifiedCompliance- ComplianceSOS-

Compliance De-emphasis: -6dB

LnkSta2: Current De-emphasis Level: -3.5dB, EqualizationComplete-, EqualizationPhase1-

EqualizationPhase2-, EqualizationPhase3-, LinkEqualizationRequest-

Capabilities: [b0] MSI-X: Enable- Count=8 Masked-

Vector table: BAR=2 offset=00000000

PBA: BAR=2 offset=00010000

Capabilities: [100 v2] Advanced Error Reporting

UESta: DLP- SDES- TLP- FCP- CmpltTO- CmpltAbrt- UnxCmplt- RxOF- MalfTLP- ECRC- UnsupReq- ACSViol-

UEMsk: DLP- SDES- TLP- FCP- CmpltTO- CmpltAbrt- UnxCmplt- RxOF- MalfTLP- ECRC- UnsupReq- ACSViol-

UESvrt: DLP+ SDES+ TLP- FCP+ CmpltTO- CmpltAbrt- UnxCmplt- RxOF+ MalfTLP+ ECRC- UnsupReq- ACSViol-

CESta: RxErr- BadTLP- BadDLLP- Rollover- Timeout- NonFatalErr-

CEMsk: RxErr- BadTLP- BadDLLP- Rollover- Timeout- NonFatalErr+

AERCap: First Error Pointer: 00, GenCap+ CGenEn- ChkCap+ ChkEn-

Capabilities: [148 v1] #19

Capabilities: [168 v1] #26

Capabilities: [190 v1] #27

Capabilities: [1c0 v1] L1 PM Substates

L1SubCap: PCI-PM\_L1.2+ PCI-PM\_L1.1+ ASPM\_L1.2- ASPM\_L1.1- L1\_PM\_Substates+

PortCommonModeRestoreTime=60us PortTPowerOnTime=40us

L1SubCtl1: PCI-PM\_L1.2- PCI-PM\_L1.1- ASPM\_L1.2- ASPM\_L1.1-

T\_CommonMode=60us

L1SubCtl2: T\_PwrOn=40us

Capabilities: [1d0 v1] Vendor Specific Information: ID=0002 Rev=4 Len=100 <?>

Capabilities: [2d0 v1] Vendor Specific Information: ID=0001 Rev=1 Len=038 <?>

Capabilities: [308 v1] #25

Capabilities: [314 v1] Precision Time Measurement

PTMCap: Requester:+ Responder:+ Root:+

PTMClockGranularity: 16ns

PTMControl: Enabled:- RootSelected:-

PTMEffectiveGranularity: Unknown

Capabilities: [320 v1] Vendor Specific Information: ID=0004 Rev=1 Len=054 <?>

Kernel driver in use: pcieport

0005:01:00.0 PCI bridge: Pericom Semiconductor Device 2304 (rev 05) (prog-if 00 [Normal decode])

Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR+ FastB2B- DisINTx-

Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort- <MAbort- >SERR- <PERR- INTx-

Latency: 0

Bus: primary=01, secondary=02, subordinate=04, sec-latency=0

I/O behind bridge: 3a100000-3a101fff

Memory behind bridge: 40000000-401fffff

Prefetchable memory behind bridge: 0000001c00000000-0000001c001fffff

Secondary status: 66MHz- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort- <MAbort- <SERR- <PERR-

BridgeCtl: Parity- SERR- NoISA- VGA- MAbort- >Reset- FastB2B-

PriDiscTmr- SecDiscTmr- DiscTmrStat- DiscTmrSERREn-

Capabilities: [40] Power Management version 3

Flags: PMEClk- DSI- D1+ D2+ AuxCurrent=375mA PME(D0+,D1+,D2+,D3hot+,D3cold+)

Status: D0 NoSoftRst+ PME-Enable- DSel=0 DScale=0 PME-

Capabilities: [5c] Vital Product Data

pcilib: sysfs\_read\_vpd: read failed: Input/output error

Not readable

Capabilities: [64] Vendor Specific Information: Len=34 <?>

Capabilities: [b0] Subsystem: Device 0000:0000

Capabilities: [c0] Express (v2) Upstream Port, MSI 00

DevCap: MaxPayload 256 bytes, PhantFunc 0

ExtTag- AttnBtn- AttnInd- PwrInd- RBE+ SlotPowerLimit 0.000W

DevCtl: Report errors: Correctable- Non-Fatal- Fatal- Unsupported-

RlxdOrd- ExtTag- PhantFunc- AuxPwr- NoSnoop-

MaxPayload 128 bytes, MaxReadReq 128 bytes

DevSta: CorrErr+ UncorrErr- FatalErr- UnsuppReq+ AuxPwr+ TransPend-

LnkCap: Port #0, Speed 5GT/s, Width x2, ASPM not supported, Exit Latency L0s <512ns, L1 <1us

ClockPM- Surprise- LLActRep- BwNot- ASPMOptComp-

LnkCtl: ASPM Disabled; Disabled- CommClk+

ExtSynch- ClockPM- AutWidDis- BWInt- AutBWInt-

LnkSta: Speed 2.5GT/s, Width x1, TrErr- Train- SlotClk+ DLActive- BWMgmt- ABWMgmt-

DevCap2: Completion Timeout: Not Supported, TimeoutDis-, LTR+, OBFF Via message

DevCtl2: Completion Timeout: 50us to 50ms, TimeoutDis-, LTR-, OBFF Disabled

LnkCtl2: Target Link Speed: 5GT/s, EnterCompliance- SpeedDis-

Transmit Margin: Normal Operating Range, EnterModifiedCompliance- ComplianceSOS-

Compliance De-emphasis: -6dB

LnkSta2: Current De-emphasis Level: -6dB, EqualizationComplete-, EqualizationPhase1-

EqualizationPhase2-, EqualizationPhase3-, LinkEqualizationRequest-

Capabilities: [100 v1] Advanced Error Reporting

UESta: DLP- SDES- TLP- FCP- CmpltTO- CmpltAbrt- UnxCmplt- RxOF- MalfTLP- ECRC- UnsupReq- ACSViol-

UEMsk: DLP- SDES- TLP- FCP- CmpltTO- CmpltAbrt- UnxCmplt- RxOF- MalfTLP- ECRC- UnsupReq- ACSViol-

UESvrt: DLP+ SDES- TLP- FCP+ CmpltTO- CmpltAbrt- UnxCmplt- RxOF+ MalfTLP+ ECRC- UnsupReq- ACSViol-

CESta: RxErr- BadTLP- BadDLLP- Rollover- Timeout- NonFatalErr+

CEMsk: RxErr- BadTLP- BadDLLP- Rollover- Timeout- NonFatalErr+

AERCap: First Error Pointer: 00, GenCap+ CGenEn- ChkCap+ ChkEn-

Capabilities: [140 v1] Virtual Channel

Caps: LPEVC=0 RefClk=100ns PATEntryBits=4

Arb: Fixed- WRR32- WRR64- WRR128-

Ctrl: ArbSelect=Fixed

Status: InProgress-

VC0: Caps: PATOffset=04 MaxTimeSlots=64 RejSnoopTrans-

Arb: Fixed+ WRR32- WRR64- WRR128+ TWRR128- WRR256-

Ctrl: Enable+ ID=0 ArbSelect=Fixed TC/VC=ff

Status: NegoPending- InProgress-

Port Arbitration Table <?>

Capabilities: [20c v1] Power Budgeting <?>

Capabilities: [230 v1] Latency Tolerance Reporting

Max snoop latency: 0ns

Max no snoop latency: 0ns

Kernel driver in use: pcieport

0005:02:01.0 PCI bridge: Pericom Semiconductor Device 2304 (rev 05) (prog-if 00 [Normal decode])

Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR+ FastB2B- DisINTx+

Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort- <MAbort- >SERR- <PERR- INTx-

Latency: 0

Interrupt: pin ? routed to IRQ 819

Bus: primary=02, secondary=03, subordinate=03, sec-latency=0

I/O behind bridge: 3a100000-3a100fff

Memory behind bridge: 40000000-400fffff

Prefetchable memory behind bridge: 0000001c00000000-0000001c000fffff

Secondary status: 66MHz- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort- <MAbort- <SERR- <PERR-

BridgeCtl: Parity- SERR- NoISA- VGA- MAbort- >Reset- FastB2B-

PriDiscTmr- SecDiscTmr- DiscTmrStat- DiscTmrSERREn-

Capabilities: [40] Power Management version 3

Flags: PMEClk- DSI- D1+ D2+ AuxCurrent=375mA PME(D0+,D1+,D2+,D3hot+,D3cold+)

Status: D0 NoSoftRst+ PME-Enable- DSel=0 DScale=0 PME-

Capabilities: [4c] MSI: Enable+ Count=1/1 Maskable- 64bit+

Address: 00000000fffff000 Data: 0000

Capabilities: [64] Vendor Specific Information: Len=34 <?>

Capabilities: [b0] Subsystem: Device 0000:0000

Capabilities: [c0] Express (v2) Downstream Port (Slot+), MSI 00

DevCap: MaxPayload 256 bytes, PhantFunc 0

ExtTag- RBE+

DevCtl: Report errors: Correctable- Non-Fatal- Fatal- Unsupported-

RlxdOrd- ExtTag- PhantFunc- AuxPwr- NoSnoop-

MaxPayload 128 bytes, MaxReadReq 128 bytes

DevSta: CorrErr- UncorrErr- FatalErr- UnsuppReq- AuxPwr+ TransPend-

LnkCap: Port #1, Speed 2.5GT/s, Width x1, ASPM not supported, Exit Latency L0s <512ns, L1 <1us

ClockPM- Surprise- LLActRep- BwNot+ ASPMOptComp-

LnkCtl: ASPM Disabled; Disabled- CommClk+

ExtSynch- ClockPM- AutWidDis- BWInt- AutBWInt-

LnkSta: Speed 2.5GT/s, Width x1, TrErr- Train- SlotClk+ DLActive- BWMgmt- ABWMgmt-

SltCap: AttnBtn- PwrCtrl- MRL- AttnInd- PwrInd- HotPlug- Surprise-

Slot #0, PowerLimit 0.000W; Interlock- NoCompl-

SltCtl: Enable: AttnBtn- PwrFlt- MRL- PresDet- CmdCplt- HPIrq- LinkChg-

Control: AttnInd Off, PwrInd Off, Power- Interlock-

SltSta: Status: AttnBtn- PowerFlt- MRL- CmdCplt- PresDet+ Interlock-

Changed: MRL- PresDet- LinkState+

DevCap2: Completion Timeout: Not Supported, TimeoutDis-, LTR+, OBFF Via message ARIFwd-

DevCtl2: Completion Timeout: 50us to 50ms, TimeoutDis-, LTR-, OBFF Disabled ARIFwd-

LnkCtl2: Target Link Speed: 5GT/s, EnterCompliance- SpeedDis-, Selectable De-emphasis: -3.5dB

Transmit Margin: Normal Operating Range, EnterModifiedCompliance- ComplianceSOS-

Compliance De-emphasis: -6dB

LnkSta2: Current De-emphasis Level: -3.5dB, EqualizationComplete-, EqualizationPhase1-

EqualizationPhase2-, EqualizationPhase3-, LinkEqualizationRequest-

Capabilities: [100 v1] Advanced Error Reporting

UESta: DLP- SDES- TLP- FCP- CmpltTO- CmpltAbrt- UnxCmplt- RxOF- MalfTLP- ECRC- UnsupReq- ACSViol-

UEMsk: DLP- SDES- TLP- FCP- CmpltTO- CmpltAbrt- UnxCmplt- RxOF- MalfTLP- ECRC- UnsupReq- ACSViol-

UESvrt: DLP+ SDES- TLP- FCP+ CmpltTO- CmpltAbrt- UnxCmplt- RxOF+ MalfTLP+ ECRC- UnsupReq- ACSViol-

CESta: RxErr- BadTLP- BadDLLP- Rollover- Timeout- NonFatalErr-

CEMsk: RxErr- BadTLP- BadDLLP- Rollover- Timeout- NonFatalErr+

AERCap: First Error Pointer: 00, GenCap+ CGenEn- ChkCap+ ChkEn-

Capabilities: [140 v1] Virtual Channel

Caps: LPEVC=0 RefClk=100ns PATEntryBits=4

Arb: Fixed- WRR32- WRR64- WRR128-

Ctrl: ArbSelect=Fixed

Status: InProgress-

VC0: Caps: PATOffset=04 MaxTimeSlots=64 RejSnoopTrans-

Arb: Fixed+ WRR32- WRR64- WRR128+ TWRR128- WRR256-

Ctrl: Enable+ ID=0 ArbSelect=Fixed TC/VC=ff

Status: NegoPending- InProgress-

Port Arbitration Table <?>

Capabilities: [20c v1] Power Budgeting <?>

Capabilities: [220 v1] Access Control Services

ACSCap: SrcValid+ TransBlk+ ReqRedir+ CmpltRedir+ UpstreamFwd+ EgressCtrl+ DirectTrans+

ACSCtl: SrcValid- TransBlk- ReqRedir- CmpltRedir- UpstreamFwd- EgressCtrl- DirectTrans-

Kernel driver in use: pcieport

0005:02:02.0 PCI bridge: Pericom Semiconductor Device 2304 (rev 05) (prog-if 00 [Normal decode])

Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR+ FastB2B- DisINTx+

Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort- <MAbort- >SERR- <PERR- INTx-

Latency: 0

Interrupt: pin ? routed to IRQ 820

Bus: primary=02, secondary=04, subordinate=04, sec-latency=0

I/O behind bridge: 3a101000-3a101fff

Memory behind bridge: 40100000-401fffff

Prefetchable memory behind bridge: 0000001c00100000-0000001c001fffff

Secondary status: 66MHz- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort- <MAbort- <SERR- <PERR-

BridgeCtl: Parity- SERR- NoISA- VGA- MAbort- >Reset- FastB2B-

PriDiscTmr- SecDiscTmr- DiscTmrStat- DiscTmrSERREn-

Capabilities: [40] Power Management version 3

Flags: PMEClk- DSI- D1+ D2+ AuxCurrent=375mA PME(D0+,D1+,D2+,D3hot+,D3cold+)

Status: D0 NoSoftRst+ PME-Enable- DSel=0 DScale=0 PME-

Capabilities: [4c] MSI: Enable+ Count=1/1 Maskable- 64bit+

Address: 00000000fffff000 Data: 0001

Capabilities: [64] Vendor Specific Information: Len=34 <?>

Capabilities: [b0] Subsystem: Device 0000:0000

Capabilities: [c0] Express (v2) Downstream Port (Slot+), MSI 00

DevCap: MaxPayload 256 bytes, PhantFunc 0

ExtTag- RBE+

DevCtl: Report errors: Correctable- Non-Fatal- Fatal- Unsupported-

RlxdOrd- ExtTag- PhantFunc- AuxPwr- NoSnoop-

MaxPayload 128 bytes, MaxReadReq 128 bytes

DevSta: CorrErr- UncorrErr- FatalErr- UnsuppReq- AuxPwr+ TransPend-

LnkCap: Port #2, Speed 2.5GT/s, Width x1, ASPM not supported, Exit Latency L0s <512ns, L1 <1us

ClockPM- Surprise- LLActRep- BwNot+ ASPMOptComp-

LnkCtl: ASPM Disabled; Disabled- CommClk+

ExtSynch- ClockPM- AutWidDis- BWInt- AutBWInt-

LnkSta: Speed 2.5GT/s, Width x1, TrErr- Train- SlotClk+ DLActive- BWMgmt- ABWMgmt-

SltCap: AttnBtn- PwrCtrl- MRL- AttnInd- PwrInd- HotPlug- Surprise-

Slot #0, PowerLimit 0.000W; Interlock- NoCompl-

SltCtl: Enable: AttnBtn- PwrFlt- MRL- PresDet- CmdCplt- HPIrq- LinkChg-

Control: AttnInd Off, PwrInd Off, Power- Interlock-

SltSta: Status: AttnBtn- PowerFlt- MRL- CmdCplt- PresDet+ Interlock-

Changed: MRL- PresDet- LinkState+

DevCap2: Completion Timeout: Not Supported, TimeoutDis-, LTR+, OBFF Via message ARIFwd-

DevCtl2: Completion Timeout: 50us to 50ms, TimeoutDis-, LTR-, OBFF Disabled ARIFwd-

LnkCtl2: Target Link Speed: 5GT/s, EnterCompliance- SpeedDis-, Selectable De-emphasis: -3.5dB

Transmit Margin: Normal Operating Range, EnterModifiedCompliance- ComplianceSOS-

Compliance De-emphasis: -6dB

LnkSta2: Current De-emphasis Level: -3.5dB, EqualizationComplete-, EqualizationPhase1-

EqualizationPhase2-, EqualizationPhase3-, LinkEqualizationRequest-

Capabilities: [100 v1] Advanced Error Reporting

UESta: DLP- SDES- TLP- FCP- CmpltTO- CmpltAbrt- UnxCmplt- RxOF- MalfTLP- ECRC- UnsupReq- ACSViol-

UEMsk: DLP- SDES- TLP- FCP- CmpltTO- CmpltAbrt- UnxCmplt- RxOF- MalfTLP- ECRC- UnsupReq- ACSViol-

UESvrt: DLP+ SDES- TLP- FCP+ CmpltTO- CmpltAbrt- UnxCmplt- RxOF+ MalfTLP+ ECRC- UnsupReq- ACSViol-

CESta: RxErr- BadTLP- BadDLLP- Rollover- Timeout- NonFatalErr-

CEMsk: RxErr- BadTLP- BadDLLP- Rollover- Timeout- NonFatalErr+

AERCap: First Error Pointer: 00, GenCap+ CGenEn- ChkCap+ ChkEn-

Capabilities: [140 v1] Virtual Channel

Caps: LPEVC=0 RefClk=100ns PATEntryBits=4

Arb: Fixed- WRR32- WRR64- WRR128-

Ctrl: ArbSelect=Fixed

Status: InProgress-

VC0: Caps: PATOffset=04 MaxTimeSlots=64 RejSnoopTrans-

Arb: Fixed+ WRR32- WRR64- WRR128+ TWRR128- WRR256-

Ctrl: Enable+ ID=0 ArbSelect=Fixed TC/VC=ff

Status: NegoPending- InProgress-

Port Arbitration Table <?>

Capabilities: [20c v1] Power Budgeting <?>

Capabilities: [220 v1] Access Control Services

ACSCap: SrcValid+ TransBlk+ ReqRedir+ CmpltRedir+ UpstreamFwd+ EgressCtrl+ DirectTrans+

ACSCtl: SrcValid- TransBlk- ReqRedir- CmpltRedir- UpstreamFwd- EgressCtrl- DirectTrans-

Kernel driver in use: pcieport

0005:03:00.0 Ethernet controller: Realtek Semiconductor Co., Ltd. RTL8111/8168/8411 PCI Express Gigabit Ethernet Controller (rev 0c)

Subsystem: Realtek Semiconductor Co., Ltd. RTL8111/8168/8411 PCI Express Gigabit Ethernet Controller

Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR- FastB2B- DisINTx+

Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort- <MAbort- >SERR- <PERR- INTx-

Latency: 0, Cache Line Size: 64 bytes

Interrupt: pin A routed to IRQ 821

Region 0: I/O ports at 300000 [size=256]

Region 2: Memory at 1f40000000 (64-bit, non-prefetchable) [size=4K]

Region 4: Memory at 1c00000000 (64-bit, prefetchable) [size=16K]

Capabilities: [40] Power Management version 3

Flags: PMEClk- DSI- D1+ D2+ AuxCurrent=375mA PME(D0+,D1+,D2+,D3hot+,D3cold+)

Status: D0 NoSoftRst+ PME-Enable- DSel=0 DScale=0 PME-

Capabilities: [50] MSI: Enable+ Count=1/1 Maskable- 64bit+

Address: 00000000fffff000 Data: 0002

Capabilities: [70] Express (v2) Endpoint, MSI 01

DevCap: MaxPayload 128 bytes, PhantFunc 0, Latency L0s <512ns, L1 <64us

ExtTag- AttnBtn- AttnInd- PwrInd- RBE+ FLReset- SlotPowerLimit 0.000W

DevCtl: Report errors: Correctable- Non-Fatal- Fatal- Unsupported-

RlxdOrd+ ExtTag- PhantFunc- AuxPwr- NoSnoop-

MaxPayload 128 bytes, MaxReadReq 4096 bytes

DevSta: CorrErr- UncorrErr- FatalErr- UnsuppReq- AuxPwr+ TransPend-

LnkCap: Port #0, Speed 2.5GT/s, Width x1, ASPM L0s L1, Exit Latency L0s unlimited, L1 <64us

ClockPM+ Surprise- LLActRep- BwNot- ASPMOptComp+

LnkCtl: ASPM Disabled; RCB 64 bytes Disabled- CommClk+

ExtSynch- ClockPM- AutWidDis- BWInt- AutBWInt-

LnkSta: Speed 2.5GT/s, Width x1, TrErr- Train- SlotClk+ DLActive- BWMgmt- ABWMgmt-

DevCap2: Completion Timeout: Range ABCD, TimeoutDis+, LTR+, OBFF Via message/WAKE#

DevCtl2: Completion Timeout: 50us to 50ms, TimeoutDis-, LTR-, OBFF Disabled

LnkCtl2: Target Link Speed: 2.5GT/s, EnterCompliance- SpeedDis-

Transmit Margin: Normal Operating Range, EnterModifiedCompliance- ComplianceSOS-

Compliance De-emphasis: -6dB

LnkSta2: Current De-emphasis Level: -6dB, EqualizationComplete-, EqualizationPhase1-

EqualizationPhase2-, EqualizationPhase3-, LinkEqualizationRequest-

Capabilities: [b0] MSI-X: Enable- Count=4 Masked-

Vector table: BAR=4 offset=00000000

PBA: BAR=4 offset=00000800

Capabilities: [d0] Vital Product Data

pcilib: sysfs\_read\_vpd: read failed: Input/output error

Not readable

Capabilities: [100 v1] Advanced Error Reporting

UESta: DLP- SDES- TLP- FCP- CmpltTO- CmpltAbrt- UnxCmplt- RxOF- MalfTLP- ECRC- UnsupReq- ACSViol-

UEMsk: DLP- SDES- TLP- FCP- CmpltTO- CmpltAbrt- UnxCmplt- RxOF- MalfTLP- ECRC- UnsupReq+ ACSViol-

UESvrt: DLP+ SDES+ TLP- FCP+ CmpltTO- CmpltAbrt- UnxCmplt- RxOF+ MalfTLP+ ECRC- UnsupReq- ACSViol-

CESta: RxErr- BadTLP- BadDLLP- Rollover- Timeout- NonFatalErr-

CEMsk: RxErr- BadTLP- BadDLLP- Rollover- Timeout- NonFatalErr+

AERCap: First Error Pointer: 00, GenCap+ CGenEn- ChkCap+ ChkEn-

Capabilities: [140 v1] Virtual Channel

Caps: LPEVC=0 RefClk=100ns PATEntryBits=1

Arb: Fixed- WRR32- WRR64- WRR128-

Ctrl: ArbSelect=Fixed

Status: InProgress-

VC0: Caps: PATOffset=00 MaxTimeSlots=1 RejSnoopTrans-

Arb: Fixed- WRR32- WRR64- WRR128- TWRR128- WRR256-

Ctrl: Enable+ ID=0 ArbSelect=Fixed TC/VC=ff

Status: NegoPending- InProgress-

Capabilities: [160 v1] Device Serial Number 01-00-00-00-68-4c-e0-00

Capabilities: [170 v1] Latency Tolerance Reporting

Max snoop latency: 0ns

Max no snoop latency: 0ns

Kernel driver in use: r8168

0005:04:00.0 Ethernet controller: Realtek Semiconductor Co., Ltd. RTL8111/8168/8411 PCI Express Gigabit Ethernet Controller (rev 0c)

Subsystem: Realtek Semiconductor Co., Ltd. RTL8111/8168/8411 PCI Express Gigabit Ethernet Controller

Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR- FastB2B- DisINTx+

Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort- <MAbort- >SERR- <PERR- INTx-

Latency: 0, Cache Line Size: 64 bytes

Interrupt: pin A routed to IRQ 822

Region 0: I/O ports at 301000 [size=256]

Region 2: Memory at 1f40100000 (64-bit, non-prefetchable) [size=4K]

Region 4: Memory at 1c00100000 (64-bit, prefetchable) [size=16K]

Capabilities: [40] Power Management version 3

Flags: PMEClk- DSI- D1+ D2+ AuxCurrent=375mA PME(D0+,D1+,D2+,D3hot+,D3cold+)

Status: D0 NoSoftRst+ PME-Enable- DSel=0 DScale=0 PME-

Capabilities: [50] MSI: Enable+ Count=1/1 Maskable- 64bit+

Address: 00000000fffff000 Data: 0003

Capabilities: [70] Express (v2) Endpoint, MSI 01

DevCap: MaxPayload 128 bytes, PhantFunc 0, Latency L0s <512ns, L1 <64us

ExtTag- AttnBtn- AttnInd- PwrInd- RBE+ FLReset- SlotPowerLimit 0.000W

DevCtl: Report errors: Correctable- Non-Fatal- Fatal- Unsupported-

RlxdOrd+ ExtTag- PhantFunc- AuxPwr- NoSnoop-

MaxPayload 128 bytes, MaxReadReq 4096 bytes

DevSta: CorrErr- UncorrErr- FatalErr- UnsuppReq- AuxPwr+ TransPend-

LnkCap: Port #0, Speed 2.5GT/s, Width x1, ASPM L0s L1, Exit Latency L0s unlimited, L1 <64us

ClockPM+ Surprise- LLActRep- BwNot- ASPMOptComp+

LnkCtl: ASPM Disabled; RCB 64 bytes Disabled- CommClk+

ExtSynch- ClockPM- AutWidDis- BWInt- AutBWInt-

LnkSta: Speed 2.5GT/s, Width x1, TrErr- Train- SlotClk+ DLActive- BWMgmt- ABWMgmt-

DevCap2: Completion Timeout: Range ABCD, TimeoutDis+, LTR+, OBFF Via message/WAKE#

DevCtl2: Completion Timeout: 50us to 50ms, TimeoutDis-, LTR-, OBFF Disabled

LnkCtl2: Target Link Speed: 2.5GT/s, EnterCompliance- SpeedDis-

Transmit Margin: Normal Operating Range, EnterModifiedCompliance- ComplianceSOS-

Compliance De-emphasis: -6dB

LnkSta2: Current De-emphasis Level: -6dB, EqualizationComplete-, EqualizationPhase1-

EqualizationPhase2-, EqualizationPhase3-, LinkEqualizationRequest-

Capabilities: [b0] MSI-X: Enable- Count=4 Masked-

Vector table: BAR=4 offset=00000000

PBA: BAR=4 offset=00000800

Capabilities: [d0] Vital Product Data

pcilib: sysfs\_read\_vpd: read failed: Input/output error

Not readable

Capabilities: [100 v1] Advanced Error Reporting

UESta: DLP- SDES- TLP- FCP- CmpltTO- CmpltAbrt- UnxCmplt- RxOF- MalfTLP- ECRC- UnsupReq- ACSViol-

UEMsk: DLP- SDES- TLP- FCP- CmpltTO- CmpltAbrt- UnxCmplt- RxOF- MalfTLP- ECRC- UnsupReq+ ACSViol-

UESvrt: DLP+ SDES+ TLP- FCP+ CmpltTO- CmpltAbrt- UnxCmplt- RxOF+ MalfTLP+ ECRC- UnsupReq- ACSViol-

CESta: RxErr- BadTLP- BadDLLP- Rollover- Timeout- NonFatalErr-

CEMsk: RxErr- BadTLP- BadDLLP- Rollover- Timeout- NonFatalErr+

AERCap: First Error Pointer: 00, GenCap+ CGenEn- ChkCap+ ChkEn-

Capabilities: [140 v1] Virtual Channel

Caps: LPEVC=0 RefClk=100ns PATEntryBits=1

Arb: Fixed- WRR32- WRR64- WRR128-

Ctrl: ArbSelect=Fixed

Status: InProgress-

VC0: Caps: PATOffset=00 MaxTimeSlots=1 RejSnoopTrans-

Arb: Fixed- WRR32- WRR64- WRR128- TWRR128- WRR256-

Ctrl: Enable+ ID=0 ArbSelect=Fixed TC/VC=ff

Status: NegoPending- InProgress-

Capabilities: [160 v1] Device Serial Number 01-00-00-00-68-4c-e0-00

Capabilities: [170 v1] Latency Tolerance Reporting

Max snoop latency: 0ns

Max no snoop latency: 0ns

Kernel driver in use: r8168

root@ebots-rp:~#