

U-Boot SPL 2017.03-imx\_v2017.03\_4.9.123\_imx8mm\_ga+g8be98e9 (Sep 06 2018 - 09:44:02)

power\_bd71837\_init

pmic debug: name=BD71837

DDRINFO: start lpddr4 ddr init

DRAM PHY training for 3000MTS

check ddr4\_pmu\_train\_imem code

check ddr4\_pmu\_train\_imem code pass

check ddr4\_pmu\_train\_dmem code

check ddr4\_pmu\_train\_dmem code pass

Training PASS

DRAM PHY training for 3000MTS

check ddr4\_pmu\_train\_imem code

check ddr4\_pmu\_train\_imem code pass

check ddr4\_pmu\_train\_dmem code

check ddr4\_pmu\_train\_dmem code pass

Training PASS

DRAM PHY training for 400MTS

check ddr4\_pmu\_train\_imem code

check ddr4\_pmu\_train\_imem code pass

check ddr4\_pmu\_train\_dmem code

check ddr4\_pmu\_train\_dmem code pass

Training PASS

DRAM PHY training for 100MTS

check ddr4\_pmu\_train\_imem code

check ddr4\_pmu\_train\_imem code pass

check ddr4\_pmu\_train\_dmem code

check ddr4\_pmu\_train\_dmem code pass

Training PASS

DDRINFO:ddrphy calibration done

DDRINFO: ddrmix config done

Normal Boot

Trying to boot from MMC1

U-Boot 2017.03-imx\_v2017.03\_4.9.123\_imx8mm\_ga+g8be98e9 (Sep 06 2018 - 09:44:02 +0000)

CPU: Freescale i.MX8MM rev1.0 1500 MHz (running at 1200 MHz)

CPU: Commercial temperature grade (0C to 95C) at 41C

Reset cause: POR

Model: FSL i.MX8MM EVK board

DRAM: 2 GiB

TCPC: Vendor ID [0x1fc9], Product ID [0x5110], Addr [I2C1 0x52]

SNK.Power3.0 on CC2

tcpc\_pd\_receive\_message: Polling ALERT register, TCPC\_ALERT\_RX\_STATUS bit failed, ret = -62

Power supply on USB2

TCPC: Vendor ID [0x1fc9], Product ID [0x5110], Addr [I2C1 0x50]

MMC: FSL\_SDHC: 0, FSL\_SDHC: 1

\*\*\* Warning - bad CRC, using default environment

No panel detected: default to MIPI2HDMI  
adv7535\_init: Can't find device id=0x3d, on bus 1  
Display: MIPI2HDMI (1920x1080)  
Video: 1920x1080x24  
In: serial  
Out: serial  
Err: serial

BuildInfo:

- ATF af3554f  
- U-Boot 2017.03-imx\_v2017.03\_4.9.123\_imx8mm\_ga+g8be98e9

switch to partitions #0, OK

mmc0 is current device

flash target is MMC:0

Net:

Warning: ethernet@30be0000 using MAC address from ROM

eth0: ethernet@30be0000

Fastboot: Normal

Normal Boot

Hit any key to stop autoboot: 0

switch to partitions #0, OK

mmc0 is current device

reading boot.scr

\*\* Unable to read file boot.scr \*\*

reading Image

20967936 bytes read in 1115 ms (17.9 MiB/s)

Booting from mmc ...

reading fsl-imx8mm-evk.dtb

41463 bytes read in 20 ms (2 MiB/s)

## Flattened Device Tree blob at 43000000

Booting using the fdt blob at 0x43000000

Using Device Tree in place at 0000000043000000, end 000000004300d1f6

Starting kernel ...

[ 0.000000] Booting Linux on physical CPU 0x0

[ 0.000000] Linux version 4.9.123-imx\_4.9.123\_imx8mm\_ga+g6a71cbc (oe-user@oe-host) (gcc version 7.3.0 (GCC) ) #8 SMP PREEMPT Sat Sep 8 00:42:13 UTC 2018

[ 0.000000] Boot CPU: AArch64 Processor [410fd034]

[ 0.000000] earlycon: ec\_imx6q0 at MMIO 0x0000000030890000 (options '115200')

[ 0.000000] bootconsole [ec\_imx6q0] enabled

[ 0.000000] efi: Getting EFI parameters from FDT:

[ 0.000000] efi: UEFI not found.

[ 0.000000] Reserved memory: created CMA memory pool at 0x0000000078000000, size 640 MiB

[ 0.000000] OF: reserved mem: initialized node linux,cma, compatible id shared-dma-pool

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

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[ 0.000000] psci: PSCIv1.1 detected in firmware.
[ 0.000000] psci: Using standard PSCI v0.2 function IDs
[ 0.000000] psci: Trusted OS migration not required
[ 0.000000] psci: SMC Calling Convention v1.1
[ 0.000000] percpu: Embedded 22 pages/cpu @ffff80007df66000 s50200 r8192 d31720 u90112
[ 0.000000] Detected VIPT I-cache on CPU0
[ 0.000000] CPU features: enabling workaround for ARM erratum 845719
[ 0.000000] Speculative Store Bypass Disable mitigation not required
[ 0.000000] Built 1 zonelists in Zone order, mobility grouping on. Total pages: 507008
[ 0.000000] Kernel command line: console=ttyMXC1,115200 earlycon=ec_imx6q,0x30890000,115200
root=/dev/mmcblk1p2 rootwait rw
[ 0.000000] log_buf_len individual max cpu contribution: 4096 bytes
[ 0.000000] log_buf_len total cpu_extra contributions: 12288 bytes
[ 0.000000] log_buf_len min size: 16384 bytes
[ 0.000000] log_buf_len: 32768 bytes
[ 0.000000] early log buf free: 14412(87%)
[ 0.000000] PID hash table entries: 4096 (order: 3, 32768 bytes)
[ 0.000000] Dentry cache hash table entries: 262144 (order: 9, 2097152 bytes)
[ 0.000000] Inode-cache hash table entries: 131072 (order: 8, 1048576 bytes)
[ 0.000000] Memory: 1347488K/2060288K available (12476K kernel code, 1340K rwddata, 5436K
rodata, 1152K init, 377K bss, 57440K reserved, 655360K cma-reserved)
[ 0.000000] Virtual kernel memory layout:
[ 0.000000]   modules : 0xffff000000000000 - 0xffff000008000000 ( 128 MB)
[ 0.000000]   vmalloc : 0xffff000008000000 - 0xffff7dffbff00000 (129022 GB)
[ 0.000000]   .text : 0xffff000008080000 - 0xffff000008cb0000 ( 12480 KB)
[ 0.000000]   .rodata : 0xffff000008cb0000 - 0xffff000009210000 ( 5504 KB)
[ 0.000000]   .init : 0xffff000009210000 - 0xffff000009330000 ( 1152 KB)
[ 0.000000]   .data : 0xffff000009330000 - 0xffff00000947f200 ( 1341 KB)
[ 0.000000]   .bss : 0xffff00000947f200 - 0xffff0000094dd8dc ( 378 KB)
[ 0.000000]   fixed : 0xffff7dffe7fb000 - 0xffff7dfffec00000 ( 4116 KB)
[ 0.000000]   PCI I/O : 0xffff7dfffec00000 - 0xffff7dffffe00000 ( 16 MB)
[ 0.000000]   vmemmap : 0xffff7e0000000000 - 0xffff800000000000 ( 2048 GB maximum)
[ 0.000000]           0xffff7e0000000000 - 0xffff7e0001f80000 ( 31 MB actual)
[ 0.000000]   memory : 0xffff800000000000 - 0xffff80007e000000 ( 2016 MB)
[ 0.000000] SLUB: HWalign=64, Order=0-3, MinObjects=0, CPUs=4, 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=4.
[ 0.000000] RCU: Adjusting geometry for rcu_fanout_leaf=64, nr_cpu_ids=4
[ 0.000000] NR_IRQS:64 nr_irqs:64 0
[ 0.000000] GICv3: GIC: Using split EOI/Deactivate mode
[ 0.000000] ITS: No ITS available, not enabling LPis
[ 0.000000] GICv3: CPU0: found redistributor 0 region 0:0x0000000038880000
[ 0.000000] i.MX8MM clock driver init done
[ 0.000000] arm_arch_timer: Architected cp15 timer(s) running at 8.00MHz (phys).
[ 0.000000] clocksource: arch_sys_counter: mask: 0xffffffffffffff max_cycles: 0x1d854df40, max_idle_ns:
440795202120 ns
[ 0.000004] sched_clock: 56 bits at 8MHz, resolution 125ns, wraps every 219902325500ns
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[ 0.008215] system counter timer init
[ 0.011762] sched_clock: 56 bits at 8MHz, resolution 125ns, wraps every 2199023255500ns
[ 0.019776] clocksource: imx sysctr: mask: 0xffffffff max_cycles: 0x1d854df40, max_idle_ns:
440795202120 ns
[ 0.030531] Console: colour dummy device 80x25
[ 0.034583] Calibrating delay loop (skipped), value calculated using timer frequency.. 16.00 BogoMIPS
(lpj=32000)
[ 0.044888] pid_max: default: 32768 minimum: 301
[ 0.049580] Security Framework initialized
[ 0.053672] Mount-cache hash table entries: 4096 (order: 3, 32768 bytes)
[ 0.060381] Mountpoint-cache hash table entries: 4096 (order: 3, 32768 bytes)
[ 0.068209] ASID allocator initialised with 32768 entries
[ 0.106010] Cannot find MU entry in device tree
[ 0.107815] CPU identified as i.MX8MM, silicon rev 1.0
[ 0.112952] EFI services will not be available.
[ 0.165597] Detected VIPT I-cache on CPU1
[ 0.165620] GICv3: CPU1: found redistributor 1 region 0:0x00000000388a0000
[ 0.165645] CPU1: Booted secondary processor [410fd034]
[ 0.197640] Detected VIPT I-cache on CPU2
[ 0.197656] GICv3: CPU2: found redistributor 2 region 0:0x00000000388c0000
[ 0.197670] CPU2: Booted secondary processor [410fd034]
[ 0.229698] Detected VIPT I-cache on CPU3
[ 0.229712] GICv3: CPU3: found redistributor 3 region 0:0x00000000388e0000
[ 0.229728] CPU3: Booted secondary processor [410fd034]
[ 0.229781] Brought up 4 CPUs
[ 0.278449] SMP: Total of 4 processors activated.
[ 0.283178] CPU features: detected feature: GIC system register CPU interface
[ 0.290353] CPU features: detected feature: 32-bit ELO Support
[ 0.296217] CPU features: detected feature: Kernel page table isolation (KPTI)
[ 0.306529] CPU: All CPU(s) started at EL2
[ 0.307791] alternatives: patching kernel code
[ 0.313217] devtmpfs: initialized
[ 0.321153] DMI not present or invalid.
[ 0.322336] clocksource: jiffies: mask: 0xffffffff max_cycles: 0xffffffff, max_idle_ns: 7645041785100000
ns
[ 0.331959] futex hash table entries: 1024 (order: 5, 131072 bytes)
[ 0.352843] pinctrl core: initialized pinctrl subsystem
[ 0.356317] NET: Registered protocol family 16
[ 0.383773] cpuidle: using governor menu
[ 0.385402] vdso: 2 pages (1 code @ ffff000008cb7000, 1 data @ ffff000009334000)
[ 0.392311] hw-breakpoint: found 6 breakpoint and 4 watchpoint registers.
[ 0.402532] DMA: preallocated 256 KiB pool for atomic allocations
[ 0.406389] Serial: AMBA PL011 UART driver
[ 0.414130] imx8mm-pinctrl 30330000.pinctrl: initialized IMX pinctrl driver
[ 0.458969] HugeTLB registered 2 MB page size, pre-allocated 0 pages
[ 0.468136] ACPI: Interpreter disabled.
[ 0.470739] vgaarb: loaded
[ 0.472074] SCSI subsystem initialized
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[ 0.476001] usbcore: registered new interface driver usbfs  
[ 0.481166] usbcore: registered new interface driver hub  
[ 0.486539] usbcore: registered new device driver usb  
[ 0.491711] usbphynop1 supply vcc not found, using dummy regulator  
[ 0.497825] usbphynop2 supply vcc not found, using dummy regulator  
[ 0.508129] bd71837 0-004b: Device ID=0xA0  
[ 0.509375] bd71837 0-004b: gpio\_intr = 3  
[ 0.513503] bd71837 0-004b: chip\_irq=68  
[ 0.525674] bd71837-pmic bd71837-pmic: regulator register name 'buck1'  
[ 0.545774] bd71837-pmic bd71837-pmic: regulator register name 'buck2'  
[ 0.565797] bd71837-pmic bd71837-pmic: regulator register name 'buck3'  
[ 0.577820] bd71837-pmic bd71837-pmic: regulator register name 'buck4'  
[ 0.589846] bd71837-pmic bd71837-pmic: regulator register name 'buck5'  
[ 0.601868] bd71837-pmic bd71837-pmic: regulator register name 'buck6'  
[ 0.613891] bd71837-pmic bd71837-pmic: regulator register name 'buck7'  
[ 0.625934] bd71837-pmic bd71837-pmic: regulator register name 'buck8'  
[ 0.637941] bd71837-pmic bd71837-pmic: regulator register name 'ldo1'  
[ 0.657974] bd71837-pmic bd71837-pmic: regulator register name 'ldo2'  
[ 0.665979] bd71837-pmic bd71837-pmic: regulator register name 'ldo3'  
[ 0.686030] bd71837-pmic bd71837-pmic: regulator register name 'ldo4'  
[ 0.706072] bd71837-pmic bd71837-pmic: regulator register name 'ldo5'  
[ 0.714086] bd71837-pmic bd71837-pmic: regulator register name 'ldo6'  
[ 0.734141] bd71837-pmic bd71837-pmic: regulator register name 'ldo7'  
[ 0.754098] i2c i2c-0: IMX I2C adapter registered  
[ 0.755959] i2c i2c-0: can't use DMA, using PIO instead.  
[ 0.761866] i2c i2c-1: IMX I2C adapter registered  
[ 0.766034] i2c i2c-1: can't use DMA, using PIO instead.  
[ 0.771690] 2-0020 supply vcc not found, using dummy regulator  
[ 0.790177] i2c i2c-2: IMX I2C adapter registered  
[ 0.792037] i2c i2c-2: can't use DMA, using PIO instead.  
[ 0.797886] media: Linux media interface: v0.10  
[ 0.801965] Linux video capture interface: v2.00  
[ 0.806605] pps\_core: LinuxPPS API ver. 1 registered  
[ 0.811576] pps\_core: Software ver. 5.3.6 - Copyright 2005-2007 Rodolfo Giometti <giometti@linux.it>  
[ 0.820756] PTP clock support registered  
[ 0.824827] dmi: Firmware registration failed.  
[ 0.829399] Linux cec interface: v0.10  
[ 0.833270] MU is ready for cross core communication!  
[ 0.838962] virtio\_rpmsg\_bus virtio0: rpmsg host is online  
[ 0.843761] imx rpmsg driver is registered.  
[ 0.847877] Advanced Linux Sound Architecture Driver Initialized.  
[ 0.854385] Bluetooth: Core ver 2.22  
[ 0.857426] NET: Registered protocol family 31  
[ 0.861869] Bluetooth: HCI device and connection manager initialized  
[ 0.868255] Bluetooth: HCI socket layer initialized  
[ 0.873154] Bluetooth: L2CAP socket layer initialized  
[ 0.878243] Bluetooth: SCO socket layer initialized  
[ 0.883769] clocksource: Switched to clocksource arch\_sys\_counter

[ 0.889369] VFS: Disk quotas dquot\_6.6.0  
[ 0.893229] VFS: Dquot-cache hash table entries: 512 (order 0, 4096 bytes)  
[ 0.900282] pnp: PnP ACPI: disabled  
[ 0.909251] NET: Registered protocol family 2  
[ 0.911112] TCP established hash table entries: 16384 (order: 5, 131072 bytes)  
[ 0.918144] TCP bind hash table entries: 16384 (order: 6, 262144 bytes)  
[ 0.924908] TCP: Hash tables configured (established 16384 bind 16384)  
[ 0.931293] UDP hash table entries: 1024 (order: 3, 32768 bytes)  
[ 0.937321] UDP-Lite hash table entries: 1024 (order: 3, 32768 bytes)  
[ 0.943896] NET: Registered protocol family 1  
[ 0.948411] RPC: Registered named UNIX socket transport module.  
[ 0.954087] RPC: Registered udp transport module.  
[ 0.958803] RPC: Registered tcp transport module.  
[ 0.963531] RPC: Registered tcp NFSv4.1 backchannel transport module.  
[ 0.970539] hw perfevents: enabled with armv8\_pmu3 PMU driver, 7 counters available  
[ 0.978092] kvm [1]: 8-bit VMID  
[ 0.980945] kvm [1]: IDMAP page: 40c9b000  
[ 0.984970] kvm [1]: HYP VA range: 800000000000:ffffffff  
[ 0.991354] kvm [1]: Hyp mode initialized successfully  
[ 0.995837] kvm [1]: GICv3: no GICV resource entry  
[ 1.000631] kvm [1]: disabling GICv2 emulation  
[ 1.005111] kvm [1]: GIC system register CPU interface enabled  
[ 1.011043] kvm [1]: vgic interrupt IRQ1  
[ 1.014904] kvm [1]: virtual timer IRQ4  
[ 1.020423] audit: initializing netlink subsys (disabled)  
[ 1.024201] audit: type=2000 audit(0.892:1): initialized  
[ 1.029926] workingset: timestamp\_bits=46 max\_order=19 bucket\_order=0  
[ 1.042769] squashfs: version 4.0 (2009/01/31) Phillip Lougher  
[ 1.046358] NFS: Registering the id\_resolver key type  
[ 1.050874] Key type id\_resolver registered  
[ 1.055051] Key type id\_legacy registered  
[ 1.059082] nfs4filelayout\_init: NFSv4 File Layout Driver Registering...  
[ 1.065830] jffs2: version 2.2. (NAND) © 2001-2006 Red Hat, Inc.  
[ 1.072311] 9p: Installing v9fs 9p2000 file system support  
[ 1.081218] Block layer SCSI generic (bsg) driver version 0.4 loaded (major 244)  
[ 1.085813] io scheduler noop registered  
[ 1.089824] io scheduler cfq registered (default)  
[ 1.095794] libphy: mdio\_driver\_register: phy-bcm-ns2-pci  
[ 1.106192] imx-sdma 30bd0000.dma-controller: no iram assigned, using external mem  
[ 1.112664] imx-sdma 30bd0000.dma-controller: loaded firmware 4.3  
[ 1.119024] imx-sdma 302c0000.dma-controller: no iram assigned, using external mem  
[ 1.126368] imx-sdma 302c0000.dma-controller: loaded firmware 4.3  
[ 1.132793] imx-sdma 302b0000.dma-controller: no iram assigned, using external mem  
[ 1.139693] imx-sdma 302b0000.dma-controller: loaded firmware 4.3  
[ 1.143654] Bus freq driver module loaded  
[ 1.144305] xenfs: not registering filesystem on non-xen platform  
[ 1.147836] Serial: 8250/16550 driver, 4 ports, IRQ sharing disabled  
[ 1.149650] SuperH (H)SCI(F) driver initialized

[ 1.150413] 30860000.serial: ttymxc0 at MMIO 0x30860000 (irq = 29, base\_baud = 5000000) is a IMX  
[ 1.150901] 30880000.serial: ttymxc2 at MMIO 0x30880000 (irq = 30, base\_baud = 5000000) is a IMX  
[ 1.151195] 30890000.serial: ttymxc1 at MMIO 0x30890000 (irq = 31, base\_baud = 1500000) is a IMX  
[ 1.195072] console [ttymxc1] enabled  
[ 1.195072] console [ttymxc1] enabled  
[ 1.199544] bootconsole [ec\_imx6q0] disabled  
[ 1.199544] bootconsole [ec\_imx6q0] disabled  
[ 1.208699] msm\_serial: driver initialized  
[ 1.217377] [drm] Initialized  
[ 1.222275] adv7511 1-003d: Probe failed. Remote port '/mipi\_dsi@32E10000' disabled  
[ 1.232023] [drm] Supports vblank timestamp caching Rev 2 (21.10.2013).  
[ 1.238682] [drm] No driver support for vblank timestamp query.  
[ 1.244679] imx-drm display-subsystem: bound imx-lcdif-crtc.0 (ops lcdif\_crtc\_ops)  
[ 1.252267] imx-drm display-subsystem: No connectors reported connected with modes  
[ 1.259847] [drm] Cannot find any crtc or sizes - going 1024x768  
[ 1.277165] Console: switching to colour frame buffer device 128x48  
[ 1.292259] imx-drm display-subsystem: fb0: frame buffer device  
[ 1.320592] loop: module loaded  
[ 1.324454] hisi\_sas: driver version v1.6  
[ 1.330801] fsl-flexspi 30bb0000.flexspi: mt25qu256 (16384 Kbytes)  
[ 1.337980] slram: not enough parameters.  
[ 1.344227] libphy: Fixed MDIO Bus: probed  
[ 1.348654] NXP PHY: loading NXP PHY driver: [autonomous mode]  
[ 1.354616] tun: Universal TUN/TAP device driver, 1.6  
[ 1.359680] tun: (C) 1999-2004 Max Krasnyansky <maxk@qualcomm.com>  
[ 1.366026] CAN device driver interface  
[ 1.371599] 30be0000.ethernet supply phy not found, using dummy regulator  
[ 1.378724] pps pps0: new PPS source ptp0  
[ 1.385518] libphy: fec\_enet\_mii\_bus: probed  
[ 1.390604] fec 30be0000.ethernet eth0: registered PHC device 0  
[ 1.397196] e1000e: Intel(R) PRO/1000 Network Driver - 3.2.6-k  
[ 1.403047] e1000e: Copyright(c) 1999 - 2015 Intel Corporation.  
[ 1.409019] igb: Intel(R) Gigabit Ethernet Network Driver - version 5.4.0-k  
[ 1.415989] igb: Copyright (c) 2007-2014 Intel Corporation.  
[ 1.421607] igbvf: Intel(R) Gigabit Virtual Function Network Driver - version 2.4.0-k  
[ 1.429448] igbvf: Copyright (c) 2009 - 2012 Intel Corporation.  
[ 1.435411] sky2: driver version 1.30  
[ 1.440837] ehci\_hcd: USB 2.0 'Enhanced' Host Controller (EHCI) Driver  
[ 1.447388] ehci-pci: EHCI PCI platform driver  
[ 1.451878] ehci-platform: EHCI generic platform driver  
[ 1.457284] ehci-exynos: EHCI EXYNOS driver  
[ 1.461596] ehci-msm: Qualcomm On-Chip EHCI Host Controller  
[ 1.467286] ohci\_hcd: USB 1.1 'Open' Host Controller (OHCI) Driver  
[ 1.473507] ohci-pci: OHCI PCI platform driver  
[ 1.478001] ohci-platform: OHCI generic platform driver  
[ 1.483353] ohci-exynos: OHCI EXYNOS driver  
[ 1.488147] usbcore: registered new interface driver usb-storage  
[ 1.494199] usbcore: registered new interface driver usb\_ehset\_test

[ 1.501342] 32e40200.usbmisc supply vbus-wakeup not found, using dummy regulator  
[ 1.508838] 32e50200.usbmisc supply vbus-wakeup not found, using dummy regulator  
[ 1.516991] 32e40000.usb supply vbus not found, using dummy regulator  
[ 1.524075] mousedev: PS/2 mouse device common for all mice  
[ 1.529950] input: 30370000.snvs:snvs-powerkey as  
/devices/platform/30370000.snvs/30370000.snvs:snvs-powerkey/input/input0  
[ 1.542623] snvs\_rtc 30370000.snvs:snvs-rtc-lp: rtc core: registered 30370000.snvs:snvs- as rtc0  
[ 1.551849] i2c /dev entries driver  
[ 1.557387] 32e30000.mipi\_csi supply mipi-phy not found, using dummy regulator  
[ 1.564994] mxc\_mipi-csi 32e30000.mipi\_csi: mipi csi v4l2 device registered  
[ 1.571979] CSI: Registered sensor subdevice: mxc\_mipi-csi.0  
[ 1.577668] mxc\_mipi-csi 32e30000.mipi\_csi: lanes: 2, hs\_settle: 13, clk\_settle: 2, wclk: 1, freq:  
333000000  
[ 1.587832] ov5640\_mipi 2-003c: No sensor reset pin available  
[ 1.593619] 2-003c supply DOVDD not found, using dummy regulator  
[ 1.599668] 2-003c supply DVDD not found, using dummy regulator  
[ 1.605639] 2-003c supply AVDD not found, using dummy regulator  
[ 1.620080] ov5640\_mipi 2-003c: Read reg error: reg=300a  
[ 1.625406] ov5640\_mipi 2-003c: Camera is not found  
[ 1.644857] imx2-wdt 30280000.wdog: timeout 60 sec (nowayout=0)  
[ 1.651162] Bluetooth: HCI UART driver ver 2.3  
[ 1.655622] Bluetooth: HCI UART protocol H4 registered  
[ 1.660765] Bluetooth: HCI UART protocol BCSP registered  
[ 1.666086] Bluetooth: HCI UART protocol ATH3K registered  
[ 1.671491] Bluetooth: HCI UART protocol Three-wire (H5) registered  
[ 1.677866] Bluetooth: HCI UART protocol Broadcom registered  
[ 1.683535] Bluetooth: HCI UART protocol QCA registered  
[ 1.689577] sdhci: Secure Digital Host Controller Interface driver  
[ 1.695774] sdhci: Copyright(c) Pierre Ossman  
[ 1.700603] sdhci-pltfm: SDHCI platform and OF driver helper  
[ 1.751787] mmc0: SDHCI controller on 30b40000.mmc [30b40000.mmc] using ADMA  
[ 1.761432] sdhci-esdhc-imx 30b50000.mmc: Got CD GPIO  
[ 1.766487] random: fast init done  
[ 1.819900] mmc1: SDHCI controller on 30b50000.mmc [30b50000.mmc] using ADMA  
[ 1.827026] mmc0: queuing unknown CIS tuple 0x01 (3 bytes)  
[ 1.845151] mmc0: queuing unknown CIS tuple 0x1a (5 bytes)  
[ 1.854059] mmc0: queuing unknown CIS tuple 0x1b (8 bytes)  
[ 1.860234] mmc0: queuing unknown CIS tuple 0x14 (0 bytes)  
[ 1.883783] mmc2: SDHCI controller on 30b60000.mmc [30b60000.mmc] using ADMA  
[ 1.885664] mmc0: queuing unknown CIS tuple 0x80 (1 bytes)  
[ 1.885721] mmc0: queuing unknown CIS tuple 0x81 (1 bytes)  
[ 1.885777] mmc0: queuing unknown CIS tuple 0x82 (1 bytes)  
[ 1.885809] mmc0: new ultra high speed SDR104 SDIO card at address 0001  
[ 1.917475] hantrodec 0 : module inserted. Major = 236  
[ 1.923133] hantrodec 1 : module inserted. Major = 236  
[ 1.929028] hx280enc: module inserted. Major <235>  
[ 1.935052] ledtrig-cpu: registered to indicate activity on CPUs  
[ 1.941670] caam 30900000.caam: ERA source: CCBVID.



[ 1.946660] Can't support > 32 bit dma.  
[ 1.953057] caam 30900000.caam: device ID = 0x0a16040100000000 (Era 9)  
[ 1.953057] job rings = 3, qi = 0  
[ 1.963338] Can't support > 32 bit dma.  
[ 1.968289] caam\_jr 30901000.jr0: Entropy delay = 3200  
[ 1.973581] caam\_jr 30901000.jr0: Entropy delay = 3600  
[ 2.046410] caam\_jr 30901000.jr0: Instantiated RNG4 SH0.  
[ 2.061853] mmc2: new HS400 MMC card at address 0001  
[ 2.067312] mmcblk2: mmc2:0001 DG4016 14.7 GiB  
[ 2.072011] mmcblk2boot0: mmc2:0001 DG4016 partition 1 4.00 MiB  
[ 2.078096] mmcblk2boot1: mmc2:0001 DG4016 partition 2 4.00 MiB  
[ 2.084170] mmcblk2rmpb: mmc2:0001 DG4016 partition 3 4.00 MiB  
[ 2.091572] mmcblk2: p1 p2  
[ 2.114075] caam\_jr 30901000.jr0: Instantiated RNG4 SH1.  
[ 2.119482] Can't support > 32 bit dma.  
[ 2.124486] Can't support > 32 bit dma.  
[ 2.132137] caam algorithms registered in /proc/crypto  
[ 2.140279] caam\_jr 30901000.jr0: registering rng-caam  
[ 2.145590] caam 30900000.caam: caam pkc algorithms registered in /proc/crypto  
[ 2.154136] platform caam\_sm: blkkey\_ex: 2 keystore units available  
[ 2.160523] platform caam\_sm: 64-bit clear key:  
[ 2.165067] platform caam\_sm: [0000] 00 01 02 03 04 0f 06 07  
[ 2.170738] platform caam\_sm: 64-bit black key:  
[ 2.175279] platform caam\_sm: [0000] 16 f1 87 7b 1b 85 3d 6b  
[ 2.180949] platform caam\_sm: [0008] 7d a4 6f a0 4a e3 db cf  
[ 2.186614] platform caam\_sm: 128-bit clear key:  
[ 2.191242] platform caam\_sm: [0000] 00 01 02 03 04 0f 06 07  
[ 2.196908] platform caam\_sm: [0008] 08 09 0a 0b 0c 0d 0e 0f  
[ 2.202577] platform caam\_sm: 128-bit black key:  
[ 2.207205] platform caam\_sm: [0000] 5e d4 ae c5 9a 3c e3 1b  
[ 2.212875] platform caam\_sm: [0008] e3 59 13 9b 57 9a 1e c1  
[ 2.218541] platform caam\_sm: 192-bit clear key:  
[ 2.223165] platform caam\_sm: [0000] 00 01 02 03 04 0f 06 07  
[ 2.228833] platform caam\_sm: [0008] 08 09 0a 0b 0c 0d 0e 0f  
[ 2.234503] platform caam\_sm: [0016] 10 11 12 13 14 15 16 17  
[ 2.240168] platform caam\_sm: 192-bit black key:  
[ 2.244793] platform caam\_sm: [0000] 99 1e 7b 1b bd ce 8c 70  
[ 2.250461] platform caam\_sm: [0008] b3 19 59 f7 a5 eb 38 49  
[ 2.256129] platform caam\_sm: [0016] 67 c8 47 fe b7 b6 99 07  
[ 2.261796] platform caam\_sm: [0024] 6a 0b 48 6c fe 5a c8 13  
[ 2.267464] platform caam\_sm: 256-bit clear key:  
[ 2.272089] platform caam\_sm: [0000] 00 01 02 03 04 0f 06 07  
[ 2.277759] platform caam\_sm: [0008] 08 09 0a 0b 0c 0d 0e 0f  
[ 2.283425] platform caam\_sm: [0016] 10 11 12 13 14 15 16 17  
[ 2.287588] mmc1: host does not support reading read-only switch, assuming write-enable  
[ 2.293762] mmc1: new high speed SDHC card at address 59b4  
[ 2.295126] mmcblk1: mmc1:59b4 USD 3.75 GiB  
[ 2.296151] mmcblk1: p1 p2

[ 2.309852] platform caam\_sm: [0024] 18 19 1a 1b 1c 1d 1e 1f  
[ 2.315519] platform caam\_sm: 256-bit black key:  
[ 2.320145] platform caam\_sm: [0000] 1c d4 48 2b c2 96 2c 42  
[ 2.325819] platform caam\_sm: [0008] 70 73 da c3 40 c3 dd 9c  
[ 2.331488] platform caam\_sm: [0016] b0 35 25 15 86 06 b7 11  
[ 2.337163] platform caam\_sm: [0024] 28 90 c9 bf 3f 87 0a f8  
[ 2.342830] platform caam\_sm: 64-bit unwritten blob:  
[ 2.347809] platform caam\_sm: [0000] 00 00 00 00 00 00 00 00  
[ 2.353476] platform caam\_sm: [0008] 00 00 00 00 00 00 00 00  
[ 2.359150] platform caam\_sm: [0016] 00 00 00 00 00 00 00 00  
[ 2.364819] platform caam\_sm: [0024] 00 00 00 00 00 00 00 00  
[ 2.370487] platform caam\_sm: [0032] 00 00 00 00 00 00 00 00  
[ 2.376161] platform caam\_sm: [0040] 00 00 00 00 00 00 00 00  
[ 2.381829] platform caam\_sm: [0048] 00 00 00 00 00 00 00 00  
[ 2.387498] platform caam\_sm: [0056] 00 00 00 00 00 00 00 00  
[ 2.393167] platform caam\_sm: [0064] 00 00 00 00 00 00 00 00  
[ 2.398837] platform caam\_sm: [0072] 00 00 00 00 00 00 00 00  
[ 2.404505] platform caam\_sm: [0080] 00 00 00 00 00 00 00 00  
[ 2.410172] platform caam\_sm: [0088] 00 00 00 00 00 00 00 00  
[ 2.415840] platform caam\_sm: 128-bit unwritten blob:  
[ 2.420901] platform caam\_sm: [0000] 00 00 00 00 00 00 00 00  
[ 2.426569] platform caam\_sm: [0008] 00 00 00 00 00 00 00 00  
[ 2.432239] platform caam\_sm: [0016] 00 00 00 00 00 00 00 00  
[ 2.437905] platform caam\_sm: [0024] 00 00 00 00 00 00 00 00  
[ 2.443573] platform caam\_sm: [0032] 00 00 00 00 00 00 00 00  
[ 2.449243] platform caam\_sm: [0040] 00 00 00 00 00 00 00 00  
[ 2.454909] platform caam\_sm: [0048] 00 00 00 00 00 00 00 00  
[ 2.460577] platform caam\_sm: [0056] 00 00 00 00 00 00 00 00  
[ 2.466250] platform caam\_sm: [0064] 00 00 00 00 00 00 00 00  
[ 2.471916] platform caam\_sm: [0072] 00 00 00 00 00 00 00 00  
[ 2.477584] platform caam\_sm: [0080] 00 00 00 00 00 00 00 00  
[ 2.483253] platform caam\_sm: [0088] 00 00 00 00 00 00 00 00  
[ 2.488917] platform caam\_sm: 196-bit unwritten blob:  
[ 2.493979] platform caam\_sm: [0000] 00 00 00 00 00 00 00 00  
[ 2.499649] platform caam\_sm: [0008] 00 00 00 00 00 00 00 00  
[ 2.505316] platform caam\_sm: [0016] 00 00 00 00 00 00 00 00  
[ 2.510984] platform caam\_sm: [0024] 00 00 00 00 00 00 00 00  
[ 2.516655] platform caam\_sm: [0032] 00 00 00 00 00 00 00 00  
[ 2.522321] platform caam\_sm: [0040] 00 00 00 00 00 00 00 00  
[ 2.527990] platform caam\_sm: [0048] 00 00 00 00 00 00 00 00  
[ 2.533658] platform caam\_sm: [0056] 00 00 00 00 00 00 00 00  
[ 2.539328] platform caam\_sm: [0064] 00 00 00 00 00 00 00 00  
[ 2.544996] platform caam\_sm: [0072] 00 00 00 00 00 00 00 00  
[ 2.550664] platform caam\_sm: [0080] 00 00 00 00 00 00 00 00  
[ 2.556334] platform caam\_sm: [0088] 00 00 00 00 00 00 00 00  
[ 2.561999] platform caam\_sm: 256-bit unwritten blob:  
[ 2.567060] platform caam\_sm: [0000] 00 00 00 00 00 00 00 00  
[ 2.572729] platform caam\_sm: [0008] 00 00 00 00 00 00 00 00

[ 2.578398] platform caam\_sm: [0016] 00 00 00 00 00 00 00 00  
[ 2.584067] platform caam\_sm: [0024] 00 00 00 00 00 00 00 00  
[ 2.589735] platform caam\_sm: [0032] 00 00 00 00 00 00 00 00  
[ 2.595404] platform caam\_sm: [0040] 00 00 00 00 00 00 00 00  
[ 2.601073] platform caam\_sm: [0048] 00 00 00 00 00 00 00 00  
[ 2.606739] platform caam\_sm: [0056] 00 00 00 00 00 00 00 00  
[ 2.612409] platform caam\_sm: [0064] 00 00 00 00 00 00 00 00  
[ 2.618077] platform caam\_sm: [0072] 00 00 00 00 00 00 00 00  
[ 2.623746] platform caam\_sm: [0080] 00 00 00 00 00 00 00 00  
[ 2.629415] platform caam\_sm: [0088] 00 00 00 00 00 00 00 00  
[ 2.635193] platform caam\_sm: 64-bit black key in blob:  
[ 2.640433] platform caam\_sm: [0000] aa 3d ca 5e 15 dd f5 23  
[ 2.646103] platform caam\_sm: [0008] d4 7f 29 af 4a 71 3e 3d  
[ 2.651772] platform caam\_sm: [0016] 84 d1 3e b7 0b 09 60 af  
[ 2.657441] platform caam\_sm: [0024] ef da 27 5d 94 83 3b 8d  
[ 2.663108] platform caam\_sm: [0032] 74 32 45 38 df 39 cd 12  
[ 2.668777] platform caam\_sm: [0040] 03 50 68 9f e5 0d 8a 70  
[ 2.674444] platform caam\_sm: [0048] ea ef 83 5a 9d 53 fe a2  
[ 2.680114] platform caam\_sm: [0056] 00 00 00 00 00 00 00 00  
[ 2.685783] platform caam\_sm: [0064] 00 00 00 00 00 00 00 00  
[ 2.691451] platform caam\_sm: [0072] 00 00 00 00 00 00 00 00  
[ 2.697119] platform caam\_sm: [0080] 00 00 00 00 00 00 00 00  
[ 2.702787] platform caam\_sm: [0088] 00 00 00 00 00 00 00 00  
[ 2.708452] platform caam\_sm: 128-bit black key in blob:  
[ 2.713775] platform caam\_sm: [0000] fb 78 ef 6d 31 8d 29 6b  
[ 2.719444] platform caam\_sm: [0008] a7 b8 33 07 69 94 cd e7  
[ 2.725113] platform caam\_sm: [0016] b4 cb 4c 80 fe 05 ae c4  
[ 2.730782] platform caam\_sm: [0024] c8 19 ba 38 1f 09 af 93  
[ 2.736451] platform caam\_sm: [0032] 03 10 ee 73 6f 45 15 33  
[ 2.742120] platform caam\_sm: [0040] 9b d4 14 90 8b 9f c2 df  
[ 2.747789] platform caam\_sm: [0048] de 94 52 56 ef b9 09 ba  
[ 2.753458] platform caam\_sm: [0056] a7 79 5d fa ba 68 7a d9  
[ 2.759124] platform caam\_sm: [0064] 00 00 00 00 00 00 00 00  
[ 2.764793] platform caam\_sm: [0072] 00 00 00 00 00 00 00 00  
[ 2.770462] platform caam\_sm: [0080] 00 00 00 00 00 00 00 00  
[ 2.776131] platform caam\_sm: [0088] 00 00 00 00 00 00 00 00  
[ 2.781797] platform caam\_sm: 192-bit black key in blob:  
[ 2.787120] platform caam\_sm: [0000] 60 1e 00 75 92 0b d8 b0  
[ 2.792789] platform caam\_sm: [0008] 7d 3c e6 88 6d 53 15 99  
[ 2.798458] platform caam\_sm: [0016] 06 c7 7d 54 15 02 e5 bf  
[ 2.804127] platform caam\_sm: [0024] 76 84 e3 de ad 12 c4 94  
[ 2.809796] platform caam\_sm: [0032] 8a ea 74 e0 96 ff 0b 89  
[ 2.815464] platform caam\_sm: [0040] 2a 08 99 bc 6e a6 1f 05  
[ 2.821133] platform caam\_sm: [0048] bb c0 79 fe af 20 51 07  
[ 2.826802] platform caam\_sm: [0056] 3d fb 8a 8d d5 c7 d7 32  
[ 2.832473] platform caam\_sm: [0064] ca a6 f4 be 4f 0e 51 f5  
[ 2.838142] platform caam\_sm: [0072] 00 00 00 00 00 00 00 00  
[ 2.843811] platform caam\_sm: [0080] 00 00 00 00 00 00 00 00

[ 2.849479] platform caam\_sm: [0088] 00 00 00 00 00 00 00 00  
[ 2.855144] platform caam\_sm: 256-bit black key in blob:  
[ 2.860467] platform caam\_sm: [0000] ab e0 44 14 6c 14 d8 07  
[ 2.866136] platform caam\_sm: [0008] 15 bb be c7 95 c1 35 bf  
[ 2.871803] platform caam\_sm: [0016] 04 10 60 8b 77 66 8e 20  
[ 2.877470] platform caam\_sm: [0024] 8c f9 f2 71 29 d0 e6 64  
[ 2.883137] platform caam\_sm: [0032] 01 a6 fb 86 0a b5 31 a1  
[ 2.888807] platform caam\_sm: [0040] 47 bc a1 af 98 45 14 dc  
[ 2.894477] platform caam\_sm: [0048] 0e 00 4a cd cd 29 30 82  
[ 2.900146] platform caam\_sm: [0056] 53 2c 57 a5 da ed c4 b3  
[ 2.905817] platform caam\_sm: [0064] d2 5b eb 7a ba 7b d5 92  
[ 2.911486] platform caam\_sm: [0072] 88 33 59 77 e1 14 68 06  
[ 2.917154] platform caam\_sm: [0080] 00 00 00 00 00 00 00 00  
[ 2.922823] platform caam\_sm: [0088] 00 00 00 00 00 00 00 00  
[ 2.930672] platform caam\_sm: restored 64-bit black key:  
[ 2.935997] platform caam\_sm: [0000] d8 a1 4d d6 46 0c 6a f5  
[ 2.941667] platform caam\_sm: [0008] e7 35 c2 96 0d b4 21 85  
[ 2.947352] platform caam\_sm: restored 128-bit black key:  
[ 2.952763] platform caam\_sm: [0000] 5e d4 ae c5 9a 3c e3 1b  
[ 2.958432] platform caam\_sm: [0008] e3 59 13 9b 57 9a 1e c1  
[ 2.964098] platform caam\_sm: restored 192-bit black key:  
[ 2.969505] platform caam\_sm: [0000] 99 1e 7b 1b bd ce 8c 70  
[ 2.975174] platform caam\_sm: [0008] b3 19 59 f7 a5 eb 38 49  
[ 2.980843] platform caam\_sm: [0016] 51 e1 27 8e 43 90 67 01  
[ 2.986512] platform caam\_sm: [0024] 5f 2e 30 b9 0b 18 f5 45  
[ 2.992176] platform caam\_sm: restored 256-bit black key:  
[ 2.997584] platform caam\_sm: [0000] 1c d4 48 2b c2 96 2c 42  
[ 3.003253] platform caam\_sm: [0008] 70 73 da c3 40 c3 dd 9c  
[ 3.008920] platform caam\_sm: [0016] b0 35 25 15 86 06 b7 11  
[ 3.014588] platform caam\_sm: [0024] 28 90 c9 bf 3f 87 0a f8  
[ 3.020681] caam-snvs 30370000.caam-snvs: can't get snvs clock  
[ 3.026560] caam-snvs 30370000.caam-snvs: violation handlers armed - non-secure state  
[ 3.035177] usbcore: registered new interface driver usbhid  
[ 3.040766] usbhid: USB HID core driver  
[ 3.058303] optee: probing for conduit method from DT.  
[ 3.063710] optee: initialized driver  
[ 3.068375] ak4458 2-0010: Failed to get supply 'DVDD': -517  
[ 3.074059] ak4458 2-0010: Failed to request supplies: -517  
[ 3.079819] ak4458 2-0012: Failed to get supply 'DVDD': -517  
[ 3.085492] ak4458 2-0012: Failed to request supplies: -517  
[ 3.091276] ak4497 2-0011: Failed to get supply 'DVDD': -517  
[ 3.096953] ak4497 2-0011: Failed to request supplies: -517  
[ 3.103745] ak5558 2-0013: Failed to get supply 'DVDD': -517  
[ 3.109434] ak5558 2-0013: Failed to request supplies: -517  
[ 3.133804] imx-wm8524 sound-wm8524: wm8524-hifi <-> 30030000.sai mapping ok  
[ 3.140898] wm8524-codec wm8524: Supported sample rate: 192000Hz  
[ 3.146917] wm8524-codec wm8524: Supported sample rate: 96000Hz  
[ 3.152843] wm8524-codec wm8524: Supported sample rate: 48000Hz

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[ 3.158777] wm8524-codec wm8524: Supported sample rate: 32000Hz
[ 3.166890] imx-spdif sound-spdif: snd-soc-dummy-dai <-> 30090000.spdif mapping ok
[ 3.175698] imx-micfil sound-micfil: snd-soc-dummy-dai <-> 30080000.micfil mapping ok
[ 3.190296] imx-ak4458 sound-ak4458: ASoC: CODEC DAI ak4458-aif not registered
[ 3.197548] imx-ak4458 sound-ak4458: snd_soc_register_card failed (-517)
[ 3.205024] NET: Registered protocol family 26
[ 3.209578] NET: Registered protocol family 17
[ 3.214042] can: controller area network core (rev 20120528 abi 9)
[ 3.220277] NET: Registered protocol family 29
[ 3.224733] can: raw protocol (rev 20120528)
[ 3.229013] can: broadcast manager protocol (rev 20161123 t)
[ 3.234684] can: netlink gateway (rev 20130117) max_hops=1
[ 3.240359] Bluetooth: RFCOMM TTY layer initialized
[ 3.245256] Bluetooth: RFCOMM socket layer initialized
[ 3.250412] Bluetooth: RFCOMM ver 1.11
[ 3.254176] Bluetooth: BNEP (Ethernet Emulation) ver 1.3
[ 3.259493] Bluetooth: BNEP filters: protocol multicast
[ 3.264730] Bluetooth: BNEP socket layer initialized
[ 3.269701] Bluetooth: HIDP (Human Interface Emulation) ver 1.2
[ 3.275631] Bluetooth: HIDP socket layer initialized
[ 3.280636] lib80211: common routines for IEEE802.11 drivers
[ 3.286335] 9pnet: Installing 9P2000 support
[ 3.290657] Key type dns_resolver registered
[ 3.295465] registered taskstats version 1
[ 3.323804] cpu cpu0: registered imx8mq-cpufreq
[ 3.329973] 33800000.pcie supply epdev_on not found, using dummy regulator
[ 3.337074] OF: PCI: host bridge /pcie@0x33800000 ranges:
[ 3.342487] OF: PCI: No bus range found for /pcie@0x33800000, using [bus 00-ff]
[ 3.349979] OF: PCI: IO 0x1ff80000..0x1ff8ffff -> 0x00000000
[ 3.355907] OF: PCI: MEM 0x18000000..0x1feffff -> 0x18000000
[ 3.362287] imx-pcie 33800000.pcie: Initialize PHY with PLL REfCLK!.
[ 3.368956] imx-pcie 33800000.pcie: PHY Initialization End!.
[ 3.374949] imx-pcie 33800000.pcie: pcie phy pll is locked.
..
U-Boot SPL 2017.03-imx_v2017.03_4.9.123_imx8mm_ga+g8be98e9 (Sep 06 2018 - 09:44:02)
power_bd71837_init
pmic debug: name=BD71837
DDRINFO: start lpddr4 ddr init
DRAM PHY training for 3000MTS
check ddr4_pmu_train_imem code
check ddr4_pmu_train_imem code pass
check ddr4_pmu_train_dmem code
check ddr4_pmu_train_dmem code pass
Training PASS
DRAM PHY training for 3000MTS
check ddr4_pmu_train_imem code
check ddr4_pmu_train_imem code pass
check ddr4_pmu_train_dmem code
```

check ddr4\_pmu\_train\_dmem code pass  
Training PASS  
DRAM PHY training for 400MTS  
check ddr4\_pmu\_train\_imem code  
check ddr4\_pmu\_train\_imem code pass  
check ddr4\_pmu\_train\_dmem code  
check ddr4\_pmu\_train\_dmem code pass  
Training PASS  
DRAM PHY training for 100MTS  
check ddr4\_pmu\_train\_imem code  
check ddr4\_pmu\_train\_imem code pass  
check ddr4\_pmu\_train\_dmem code  
check ddr4\_pmu\_train\_dmem code pass  
Training PASS  
DDRINFO:ddrphy calibration done  
DDRINFO: ddrmix config done  
Normal Boot  
Trying to boot from MMC1

U-Boot 2017.03-imx\_v2017.03\_4.9.123\_imx8mm\_ga+g8be98e9 (Sep 06 2018 - 09:44:02 +0000)

CPU: Freescale i.MX8MM rev1.0 1500 MHz (running at 1200 MHz)  
CPU: Commercial temperature grade (0C to 95C) at 42C  
Reset cause: POR  
Model: FSL i.MX8MM EVK board  
DRAM: 2 GiB  
TCPC: Vendor ID [0x1fc9], Product ID [0x5110], Addr [I2C1 0x52]  
SNK.Power3.0 on CC2  
tcpc\_pd\_receive\_message: Polling ALERT register, TCPC\_ALERT\_RX\_STATUS bit failed, ret = -62  
Power supply on USB2  
TCPC: Vendor ID [0x1fc9], Product ID [0x5110], Addr [I2C1 0x50]  
MMC: FSL\_SDHC: 0, FSL\_SDHC: 1  
\*\*\* Warning - bad CRC, using default environment

No panel detected: default to MIPI2HDMI  
adv7535\_init: Can't find device id=0x3d, on bus 1  
Display: MIPI2HDMI (1920x1080)  
Video: 1920x1080x24  
In: serial  
Out: serial  
Err: serial

BuildInfo:  
- ATF af3554f  
- U-Boot 2017.03-imx\_v2017.03\_4.9.123\_imx8mm\_ga+g8be98e9

switch to partitions #0, OK

mmc0 is current device

flash target is MMC:0

Net:

Warning: ethernet@30be0000 using MAC address from ROM

eth0: ethernet@30be0000

Fastboot: Normal

Normal Boot

Hit any key to stop autoboot: 2 .

*(repeat)*