

U-Boot 2015.04-imx_v2015.04_3.14.52_1.1.0_ga+g6cf684a (Dec 05 2015 - 02:02:07)

CPU: Freescale i.MX6Q rev1.2 at 792 MHz
CPU: Temperature 36 C
Reset cause: POR
Board: MX6-SabreSD
I2C: ready
DRAM: 1 GiB
PMIC: PFUZE100 ID=0x10
MMC: FSL_SDHC: 0, FSL_SDHC: 1, FSL_SDHC: 2
*** Warning - bad CRC, using default environment

No panel detected: default to Hannstar-XGA

Display: Hannstar-XGA (1024x768)

In: serial

Out: serial

Err: serial

switch to partitions #0, OK

mmc1 is current device

Net: FEC [PRIME]

Boot from USB for mfgtools

Use default environment for

mfgtools

Run bootcmd_mfg: run mfgtool_args;bootz \${loadaddr} \${initrd_addr} \${fdt_addr};

Hit any key to stop autoboot: 0

Kernel image @ 0x12000000 [0x000000 - 0x521260]

Loading init Ramdisk from Legacy Image at 12c00000 ...

Image Name: fsl-image-mfgtool-initramfs-imx6

Image Type: ARM Linux RAMDisk Image (gzip compressed)

Data Size: 7508220 Bytes = 7.2 MiB

Load Address: 00000000

Entry Point: 00000000

Verifying Checksum ... OK

Flattened Device Tree blob at 18000000

Booting using the fdt blob at 0x18000000

Using Device Tree in place at 18000000, end 1800d77d

switch to ldo_bypass mode!

Starting kernel ...

Booting Linux on physical CPU 0x0

Linux version 3.14.52-1.1.0_ga-mfgtool+g5f6f0a5 (bamboo@shlinux12) (gcc version

4.9.2 (GCC)) #1 SMP PREEMPT Sat Dec 5 01:53:35 CST 2015

CPU: ARMv7 Processor [412fc09a] revision 10 (ARMv7), cr=10c5387d

CPU: PIPT / VIPT nonaliasing data cache, VIPT aliasing instruction cache

Machine model: Freescale i.MX6 Quad SABRE Smart Device Board

cma: CMA: reserved 320 MiB at 3c000000

Memory policy: Data cache writealloc

PERCPU: Embedded 8 pages/cpu @ab723000 s8320 r8192 d16256 u32768

Built 1 zonelists in Zone order, mobility grouping on. Total pages: 260096

Kernel command line: console=ttyMXC0,115200 rdinit=/linuxrc g_mass_storage.stall

=0 g_mass_storage.removable=1 g_mass_storage.idVendor=0x066F g_mass_storage.idPr

oduct=0x37FF g_mass_storage.iSerialNumber= enable_wait_mode=off

PID hash table entries: 4096 (order: 2, 16384 bytes)

Dentry cache hash table entries: 131072 (order: 7, 524288 bytes)

Inode-cache hash table entries: 65536 (order: 6, 262144 bytes)

Memory: 693508K/1048576K available (6668K kernel code, 353K rwdata, 2300K rodata

, 380K init, 421K bss, 355068K reserved, 0K highmem)

Virtual kernel memory layout:

vector : 0xffff0000 - 0xffff1000 (4 kB)

fixmap : 0xffff0000 - 0xffffe000 (896 kB)

vmalloc : 0xc0800000 - 0xff000000 (1000 MB)

lowmem : 0x80000000 - 0xc0000000 (1024 MB)

pkmap : 0x7fe00000 - 0x80000000 (2 MB)

modules : 0x7f000000 - 0x7fe00000 (14 MB)

.text : 0x80008000 - 0x808ca588 (8970 kB)

.init : 0x808cb000 - 0x8092a080 (381 kB)

.data : 0x8092c000 - 0x80984740 (354 kB)

.bss : 0x8098474c - 0x809edc70 (422 kB)

SLUB: HWalign=64, Order=0-3, MinObjects=0, CPUs=4, Nodes=1

Preemptible hierarchical RCU implementation.

NR_IRQS:16 nr_irqs:16 16

L310 cache controller enabled

12x0: 16 ways, CACHE_ID 0x410000c7, AUX_CTRL 0x32070000, Cache size: 1024 kB
Switching to timer-based delay loop
sched_clock: 32 bits at 3000kHz, resolution 333ns, wraps every 1431655765682ns
Console: colour dummy device 80x30
Calibrating delay loop (skipped), value calculated using timer frequency.. 6.00
BogoMIPS (lpj=30000)
pid_max: default: 32768 minimum: 301
Mount-cache hash table entries: 2048 (order: 1, 8192 bytes)
Mountpoint-cache hash table entries: 2048 (order: 1, 8192 bytes)
CPU: Testing write buffer coherency: ok
CPU0: thread -1, cpu 0, socket 0, mpidr 80000000
Setting up static identity map for 0x10658e18 - 0x10658e70
CPU1: Booted secondary processor
CPU1: thread -1, cpu 1, socket 0, mpidr 80000001
CPU2: Booted secondary processor
CPU2: thread -1, cpu 2, socket 0, mpidr 80000002
CPU3: Booted secondary processor
CPU3: thread -1, cpu 3, socket 0, mpidr 80000003
Brought up 4 CPUs
SMP: Total of 4 processors activated (24.00 BogoMIPS).
CPU: All CPU(s) started in SVC mode.
devtmpfs: initialized
VFP support v0.3: implementor 41 architecture 3 part 30 variant 9 rev 4
pinctrl core: initialized pinctrl subsystem
regulator-dummy: no parameters
NET: Registered protocol family 16
DMA: preallocated 256 KiB pool for atomic coherent allocations
cpuidle: using governor ladder
cpuidle: using governor menu
CPU identified as i.MX6Q, silicon rev 1.2
Use WDOG2 as reset source
syscon 20c8000.anatop: regmap [mem 0x020c8000-0x020c8fff] registered
vdd1p1: 800 <--> 1375 mV at 1100 mV
vdd3p0: 2625 <--> 3400 mV at 3000 mV
vdd2p5: 2000 <--> 2750 mV at 2400 mV
vddarm: 725 <--> 1450 mV
vddpu: 725 <--> 1450 mV
vddsoc: 725 <--> 1450 mV
syscon 20e0000.iomuxc-gpr: regmap [mem 0x020e0000-0x020e0037] registered
syscon 21bc000.ocotp-ctrl: regmap [mem 0x021bc000-0x021bffff] registered
hw-breakpoint: found 5 (+1 reserved) breakpoint and 1 watchpoint registers.
hw-breakpoint: maximum watchpoint size is 4 bytes.
imx6q-pinctrl 20e0000.iomuxc: initialized IMX pinctrl driver
bio: create slab <bio-0> at 0
mxs-dma 110000.dma-apbh: initialized
usb_otg_vbus: 5000 mV
usb_h1_vbus: 5000 mV
wm8962-supply: no parameters
mipi_dsi_pwr_on: no parameters
sensor-supply: 3300 mV
SCSI subsystem initialized
usbcore: registered new interface driver usbfs
usbcore: registered new interface driver hub
usbcore: registered new device driver usb
usbphy_nop1.12 supply vcc not found, using dummy regulator
usbphy_nop2.13 supply vcc not found, using dummy regulator
i2c i2c-0: IMX I2C adapter registered
i2c i2c-1: IMX I2C adapter registered
i2c i2c-2: IMX I2C adapter registered
Linux video capture interface: v2.00
pps_core: LinuxPPS API ver. 1 registered
pps_core: Software ver. 5.3.6 - Copyright 2005-2007 Rodolfo Giometti <giometti@linux.it>
PTP clock support registered
imx-ipuv3 2400000.ipu: IPU DMFC NORMAL mode: 1(0~1), 5B(4,5), 5F(6,7)
imx-ipuv3 2800000.ipu: IPU DMFC NORMAL mode: 1(0~1), 5B(4,5), 5F(6,7)
mxc_mipi_csi2 21dc000.mipi_csi: i.MX MIPI CSI2 driver probed
mxc_mipi_csi2 21dc000.mipi_csi: i.MX MIPI CSI2 dphy version is 0x3130302a
MIPI CSI2 driver module loaded
Advanced Linux Sound Architecture Driver Initialized.
cfg80211: Calling CRDA to update world regulatory domain
Switched to clocksource mxc_timer1
NET: Registered protocol family 2
TCP established hash table entries: 8192 (order: 3, 32768 bytes)

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TCP bind hash table entries: 8192 (order: 4, 65536 bytes)
TCP: Hash tables configured (established 8192 bind 8192)
TCP: reno registered
UDP hash table entries: 512 (order: 2, 16384 bytes)
UDP-Lite hash table entries: 512 (order: 2, 16384 bytes)
NET: Registered protocol family 1
RPC: Registered named UNIX socket transport module.
RPC: Registered udp transport module.
RPC: Registered tcp transport module.
RPC: Registered tcp NFSv4.1 backchannel transport module.
Trying to unpack rootfs image as initramfs...
Freeing initrd memory: 7328K (82c01000 - 83329000)
hw perfevents: enabled with ARMv7 Cortex-A9 PMU driver, 7 counters available
imx rpmsg driver is registered.
imx_busfreq busfreq.16: DDR medium rate not supported.
Bus freq driver module loaded
futex hash table entries: 1024 (order: 4, 65536 bytes)
VFS: Disk quotas dquot_6.5.2
Dquot-cache hash table entries: 1024 (order 0, 4096 bytes)
NFS: Registering the id_resolver key type
Key type id_resolver registered
Key type id_legacy registered
jffs2: version 2.2. (NAND) © 2001-2006 Red Hat, Inc.
fuse init (API version 7.22)
msgmni has been set to 2008
io scheduler noop registered
io scheduler deadline registered
io scheduler cfq registered (default)
imx-weim 21b8000.weim: Driver registered.
backlight.30 supply power not found, using dummy regulator
mxc_mipi_dsi 21e0000.mipi: i.MX MIPI DSI driver probed
MIPI DSI driver module loaded
mxc_sdc_fb fb.25: registered mxc display driver ldb
imx-ipuv3 2800000.ipu: IPU DMFC DP HIGH RESOLUTION: 1(0,1), 5B(2~5), 5F(6,7)
Console: switching to colour frame buffer device 128x48
mxc_hdmi 20e0000.hdmi_video: Detected HDMI controller 0x13:0xa:0xa0:0xc1
fbcvt: 1920x1080@60: CVT Name - 2.073M9
mxc_sdc_fb fb.26: registered mxc display driver hdmi
mxc_sdc_fb fb.27: registered mxc display driver lcd
mxc_sdc_fb fb.27: ipu0-di0 already in use
mxc_sdc_fb: probe of fb.27 failed with error -16
mxc_sdc_fb fb.28: registered mxc display driver ldb
imx-sdma 20ec000.sdma: no iram assigned, using external mem
imx-sdma 20ec000.sdma: no event needs to be remapped
imx-sdma 20ec000.sdma: loaded firmware 3.2
imx-sdma 20ec000.sdma: initialized
pfuzel100-regulator 1-0008: Full layer: 1, Metal layer: 1
pfuzel100-regulator 1-0008: FAB: 0, FIN: 0
pfuzel100-regulator 1-0008: pfuzel100 found.
SW1AB: 300 <--> 1875 mV at 1150 mV
SW1C: 300 <--> 1875 mV at 1175 mV
SW2: 800 <--> 3300 mV at 3300 mV
SW3A: 400 <--> 1975 mV at 1500 mV
SW3B: 400 <--> 1975 mV at 1500 mV
SW4: 800 <--> 3300 mV at 3150 mV
SWBST: 5000 <--> 5150 mV at 5000 mV
VSNVS: 1000 <--> 3000 mV at 3000 mV
VREFDDR: 750 mV
VGEN1: 800 <--> 1550 mV at 1500 mV
VGEN2: 800 <--> 1550 mV at 1500 mV
VGEN3: 1800 <--> 3300 mV at 2800 mV
VGEN4: 1800 <--> 3300 mV at 1800 mV
VGEN5: 1800 <--> 3300 mV at 3000 mV
VGEN6: 1800 <--> 3300 mV at 3300 mV
Serial: IMX driver
2020000.serial: ttymxc0 at MMIO 0x2020000 (irq = 58, base_baud = 5000000) is a I
MX
console [ttymxc0] enabled
serial: Freescale lpuart driver
imx sema4 driver is registered.
[drm] Initialized drm 1.1.0 20060810
[drm] Initialized vivante 1.0.0 20120216 on minor 0
brd: module loaded
loop: module loaded

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ahci-imx 2200000.sata: level-mV not specified, using 00000024
ahci-imx 2200000.sata: fsl,transmit-boost-mdB not specified, using 00000480
ahci-imx 2200000.sata: fsl,transmit-atten-16ths not specified, using 00002000
ahci-imx 2200000.sata: fsl,receive-eq-mdB not specified, using 05000000
ahci-imx 2200000.sata: SSS flag set, parallel bus scan disabled
ahci-imx 2200000.sata: AHCI 0001.0300 32 slots 1 ports 3 Gbps 0x1 impl platform
mode
ahci-imx 2200000.sata: flags: ncq sntf stag pm led clo only pmp pio slum part cc
c apst
scsi0 : ahci_platform
ata1: SATA max UDMA/133 mmio [mem 0x02200000-0x02203fff] port 0x100 irq 71
m25p80 spi0.0: m25p32 (4096 Kbytes)
spi_imx 2008000.ecspi: probed
2188000.ethernet supply phy not found, using dummy regulator
pps pps0: new PPS source ptp0
libphy: fec_enet_mii_bus: probed
fec 2188000.ethernet eth0: registered PHC device 0
ehci_hcd: USB 2.0 'Enhanced' Host Controller (EHCI) Driver
ehci-mxc: Freescale On-Chip EHCI Host driver
usbcore: registered new interface driver usb-storage
2184800.usbmisc supply vbus-wakeup not found, using dummy regulator
ci_hdrc ci_hdrc.1: doesn't support gadget
ci_hdrc ci_hdrc.1: EHCI Host Controller
ci_hdrc ci_hdrc.1: new USB bus registered, assigned bus number 1
ci_hdrc ci_hdrc.1: USB 2.0 started, EHCI 1.00
hub 1-0:1.0: USB hub found
hub 1-0:1.0: 1 port detected
mousedev: PS/2 mouse device common for all mice
egalax_ts 1-0004: Failed to read firmware version
egalax_ts: probe of 1-0004 failed with error -5
input: EETI eGalax Touch Screen as /devices/soc0/soc.0/2100000.aips-bus/21a8000.
i2c/i2c-2/2-0004/input/input1
snvs_rtc 20cc034.snvs-rtc-lp: can't get snvs-rtc clock
snvs_rtc 20cc034.snvs-rtc-lp: rtc core: registered 20cc034.snvs-rtc-lp as rtc0
i2c /dev entries driver
IR NEC protocol handler initialized
IR RC5(x) protocol handler initialized
IR RC6 protocol handler initialized
IR JVC protocol handler initialized
IR Sony protocol handler initialized
IR RC5 (streamzap) protocol handler initialized
IR SANYO protocol handler initialized
IR MCE Keyboard/mouse protocol handler initialized
mxc_v4l2_output v4l2_out.33: V4L2 device registered as video16
mxc_v4l2_output v4l2_out.33: V4L2 device registered as video17
mxc_v4l2_output v4l2_out.33: V4L2 device registered as video18
mxc_v4l2_output v4l2_out.33: V4L2 device registered as video19
mxc_v4l2_output v4l2_out.33: V4L2 device registered as video20
imx2-wdt 20c0000.wdog: IMX2+ Watchdog Timer enabled. timeout=60s (nowayout=0)
sdhci: Secure Digital Host Controller Interface driver
sdhci: Copyright(c) Pierre Ossman
sdhci-pltfm: SDHCI platform and OF driver helper
mmc1: no vqmmc regulator found
mmc1: no vmmc regulator found
mmc1: SDHCI controller on 2194000.usdhc [2194000.usdhc] using ADMA
mmc2: no vqmmc regulator found
mmc2: no vmmc regulator found
mmc2: SDHCI controller on 2198000.usdhc [2198000.usdhc] using ADMA
ata1: SATA link down (SStatus 0 SControl 300)
ahci-imx 2200000.sata: no device found, disabling link.
ahci-imx 2200000.sata: pass ahci_imx..hotplug=1 to enable hotplug
mmc3: no vqmmc regulator found
mmc3: no vmmc regulator found
mmc3: SDHCI controller on 219c000.usdhc [219c000.usdhc] using ADMA
Galcore version 5.0.11.33433
mmc2: new high speed SDHC card at address 1234
mmcblk2: mmc2:1234 SA16G 14.6 GiB
mmcblk2: p1 p2
mmc3: BKOPS_EN bit is not set
mmc3: new high speed DDR MMC card at address 0001
mmcblk3: mmc3:0001 SEM08G 7.39 GiB
mmcblk3boot0: mmc3:0001 SEM08G partition 1 2.00 MiB
mmcblk3boot1: mmc3:0001 SEM08G partition 2 2.00 MiB
mmcblk3rpbmb: mmc3:0001 SEM08G partition 3 128 KiB
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mmcblk3: p1 p2 p3 < p5 p6p7 p8 p9 > p4
mmcblk3: p4 size 13336576 extends beyond EOD, truncated
mxm_vdoa 21e4000.vdoa: i.MX Video Data Order Adapter(VDOA) driver probed
mxm_vpu 2040000.vpu: VPU initialized
mmcblk3boot1: unknown partition table
usbcore: registered new interface driver usbhid
usbhid: USB HID core driver
mmcblk3boot0: unknown partition table
wm8962 0-001a: customer id 0 revision D
imx-wm8962 sound.23: ASoC: CPU DAI (null) not registered
imx-wm8962 sound.23: snd_soc_register_card failed (-517)
platform sound.23: Driver imx-wm8962 requests probe deferral
TCP: cubic registered
NET: Registered protocol family 10
sit: IPv6 over IPv4 tunneling driver
NET: Registered protocol family 17
Key type dns_resolver registered
Registering SWP/SWPB emulation handler
VGEN3: disabling
VGEN2: disabling
VGEN1: disabling
SWBST: disabling
SW4: disabling
sensor-supply: disabling
wm8962-supply: disabling
usb_otg_vbus: disabling
regulator-dummy: disabling
imx mcc test is registered.
imx-wm8962 sound.23: ASoC: CPU DAI (null) not registered
imx-wm8962 sound.23: snd_soc_register_card failed (-517)
platform sound.23: Driver imx-wm8962 requests probe deferral
Number of LUNs=8
Mass Storage Function, version: 2009/09/11
LUN: removable file: (no medium)
Number of LUNs=1
LUN: removable file: (no medium)
Number of LUNs=1
g_mass_storage gadget: Mass Storage Gadget, version: 2009/09/11
g_mass_storage gadget: g_mass_storage ready
input: gpio-keys.22 as /devices/soc0/gpio-keys.22/input/input2
snvs_rtc 20cc034.snvs-rtc-lp: setting system clock to 1970-01-01 00:00:01 UTC (1
)
imx-wm8962 sound.23: ASoC: CPU DAI (null) not registered
imx-wm8962 sound.23: snd_soc_register_card failed (-517)
platform sound.23: Driver imx-wm8962 requests probe deferral
imx-wm8962 sound.23: ASoC: CPU DAI (null) not registered
ALSA device list:
  No soundcards found.
|| xhp?[X||orm sound.23: Driver imx-wm8962 requests probe deferral
Freeing unused kernel memory: 380K (808cb000 - 8092a000)
Starting UTP
uuc 0.5 [built Dec  3 2015 08:26:46]
UTP: Waiting for device to appear
UTP: file/device node /dev/utp already exists
cpu_id is 0
g_mass_storage gadget: high-speed config #1: Linux File-Backed Storage
UTP: received command 'send'
UTP: sending Success to kernel for command send.
UTP: received command '$ tar xf $FILE '
UTP: executing "tar xf $FILE "
UTP: sending Success to kernel for command $ tar xf $FILE .
utp_poll: pass returned.
UTP: received command '$ sh mksdcard.sh /dev/mmcblk0'
UTP: executing "sh mksdcard.sh /dev/mmcblk0"
1+0 records in
1+0 records out
1024 bytes (1.0 kB) copied, 0.000710667 s, 1.4 MB/s
sfdisk: Warning: /dev/mmcblk0 is not a block device
sfdisk: Disk /dev/mmcblk0: cannot get geometry

Disk /dev/mmcblk0: 0 cylinders, 255 heads, 63 sectors/track
sfdisk: /dev/mmcblk0: unrecognized partition table type
Old situation:
sfdisk: No partitions found
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sfdisk: Warning: given size (503) exceeds max allowable size (0)

New situation:

Units: 1MiB = 1024*1024 bytes, blocks of 1024 bytes, counting from 0

Device	Boot	Start	End	MiB	#blocks	Id	System
/dev/mmcblk0p1		7+	509-	503-	514080	c	W95 FAT32 (LBA)
/dev/mmcblk0p2		596+	596-	0	0	83	Linux
/dev/mmcblk0p3		0	-	0	0	0	Empty
/dev/mmcblk0p4		0	-	0	0	0	Empty

sfdisk: Warning: partition 2 has size 0 but is not marked Empty

sfdisk: Warning: partition 1 extends past end of disk

Successfully wrote the new partition table

sfdisk: If you created or changed a DOS partition, /dev/foo7, say, then use dd(1
)

to zero the first 512 bytes: dd if=/dev/zero of=/dev/foo7 bs=512 count=1

(See fdisk(8).)

UTP: sending Success to kernel for command \$ sh mkcard.sh /dev/mmcblk0.

utp_poll: pass returned.

UTP: received command 'send'

UTP: sending Success to kernel for command send.

UTP: received command '\$ dd if=/dev/zero of=/dev/mmcblk0 bs=1k seek=384 conv=fsync count=129'

UTP: executing "dd if=/dev/zero of=/dev/mmcblk0 bs=1k seek=384 conv=fsync count=129"

129+0 records in

129+0 records out

132096 bytes (132 kB) copied, 0.00256433 s, 51.5 MB/s

UTP: sending Success to kernel for command \$ dd if=/dev/zero of=/dev/mmcblk0 bs=1k seek=384 conv=fsync count=129.

utp_poll: pass returned.

UTP: received command '\$ dd if=\$FILE of=/dev/mmcblk0 bs=1k seek=1 conv=fsync'

UTP: executing "dd if=\$FILE of=/dev/mmcblk0 bs=1k seek=1 conv=fsync"

403+0 records in

403+0 records out

412672 bytes (413 kB) copied, 0.00882467 s, 46.8 MB/s

UTP: sending Success to kernel for command \$ dd if=\$FILE of=/dev/mmcblk0 bs=1k seek=1 conv=fsync.

utp_poll: pass returned.

UTP: received command '\$ mkfs.vfat /dev/mmcblk0p1'

UTP: executing "mkfs.vfat /dev/mmcblk0p1"

mkfs.vfat 2.11 (12 Mar 2005)

/dev/mmcblk0p1: No such file or directory

UTP: sending Non-success to kernel for command \$ mkfs.vfat /dev/mmcblk0p1.

utp_poll: exit with status 256

random: nonblocking pool is initialized