Texas Instruments Inc X-Loader 1.41.0-g28b5a696 (Sep 16 2012 - 16:24:04)

OMAP4460: 1.5 GHz capable SOM

Starting OS Bootloader from MMC/SD1 ...

U-Boot 1.1.4-g83ec135f-dirty (Sep 24 2012 - 08:43:59)

Load address: 0x80e80000

DRAM: 1024 MB

Flash: 0 kB

Using default environment

In: serial

Out: serial

Err: serial

Initializing SD(0) Slot.

ptbl slot: SD:(0).

 256 128K xloader

 512 256K bootloader

 1024 128K misc

 2048 16M efs

 34816 16K crypto

 34848 8M recovery

 51232 8M boot

 67616 512M system

 1116192 256M cache

 1640480 6893M userdata

efi partition table:

ptbl slot: SD:(0).

 256 128K xloader

 512 256K bootloader

 1024 128K misc

 2048 16M efs

 34816 16K crypto

 34848 8M recovery

 51232 8M boot

 67616 512M system

 1116192 256M cache

 1640480 6893M userdata

Net: KS8851SNL

Hit any key to stop autoboot: 0

kernel @ 80008000 (4668476)

ramdisk @ 81000000 (168267)

I2C read: I/O error

Starting kernel ...

Uncompressing Linux... done, booting the kernel.

[ 0.000000] Initializing cgroup subsys cpu

[ 0.000000] Linux version 3.0.31-01871-gd0d4f29 (yong@yong-ubuntu-laptop) (gcc version 4.4.1 (Sourcery G++ Lite 2010q1-202) ) #1 SMP PREEMPT Thu Sep 13 13:02:38 MYT 2012

[ 0.000000] CPU: ARMv7 Processor [412fc09a] revision 10 (ARMv7), cr=10c5387d

[ 0.000000] CPU: VIPT nonaliasing data cache, VIPT aliasing instruction cache

[ 0.000000] Machine: OMAP4 blaze board

[ 0.000000] android\_display: setting default resolution 864\*480, bpp=4

[ 0.000000] android\_display: tiler1d 13271040

[ 0.000000] android\_display: setting fb0.vram to 3440640

[ 0.000000] android\_display: setting vram to 3440640

[ 0.000000] android\_display: ion carveouts: 116916224 tiler2d, 3932160 nonsecure

[ 0.000000] omap4\_total\_ram\_size = 0x40000000

[ 0.000000] omap4\_smc\_size = 0x300000

[ 0.000000] omap4\_ion\_heap\_secure\_input\_size = 0x5a00000

[ 0.000000] omap4\_ion\_heap\_secure\_output\_wfdhdcp\_size = 0x1000000

[ 0.000000] omap4\_ducati\_heap\_size = 0x6b00000

[ 0.000000] omap4\_ion\_heap\_tiler\_mem\_size = 0x7040000

[ 0.000000] omap4\_ion\_heap\_nonsec\_tiler\_mem\_size = 0x3c0000

[ 0.000000] omap4\_smc\_addr = 0xbfd00000

[ 0.000000] omap4\_ion\_heap\_secure\_input\_addr = 0xba300000

[ 0.000000] omap4\_ion\_heap\_secure\_output\_wfdhdcp\_addr = 0xb9300000

[ 0.000000] omap4\_ducati\_heap\_addr = 0xb2800000

[ 0.000000] omap4\_ion\_heap\_tiler\_mem\_addr = 0xab7c0000

[ 0.000000] omap4\_ion\_heap\_nonsec\_tiler\_mem\_addr = 0xab400000

[ 0.000000] omap\_ion\_init: secure\_input id=2 [ba300000-bfd00000] size=5a00000

[ 0.000000] omap\_ion\_init: secure\_output\_wfdhdcp id=5 [b9300000-ba300000] size=1000000

[ 0.000000] omap\_ion\_init: tiler id=1 [ab7c0000-b2800000] size=7040000

[ 0.000000] omap\_ion\_init: nonsecure\_tiler id=3 [ab400000-ab7c0000] size=3c0000

[ 0.000000] omap\_ion\_init: system id=0 [0-0] size=0

[ 0.000000] omap\_ion\_init: tiler\_reservation id=4 [0-0] size=0

[ 0.000000] Reserving 4194304 bytes SDRAM for VRAM

[ 0.000000] Memory policy: ECC disabled, Data cache writealloc

[ 0.000000] OMAP4460 ES1.1

[ 0.000000] SRAM: Mapped pa 0x40300000 to va 0xfe400000 size: 0xd000

[ 0.000000] On node 0 totalpages: 175616

[ 0.000000] free\_area\_init\_node: node 0, pgdat c0910f40, node\_mem\_map c102a000

[ 0.000000] Normal zone: 256 pages used for memmap

[ 0.000000] Normal zone: 0 pages reserved

[ 0.000000] Normal zone: 32512 pages, LIFO batch:7

[ 0.000000] HighMem zone: 1792 pages used for memmap

[ 0.000000] HighMem zone: 141056 pages, LIFO batch:31

[ 0.000000] PERCPU: Embedded 7 pages/cpu @c1835000 s7488 r8192 d12992 u32768

[ 0.000000] pcpu-alloc: s7488 r8192 d12992 u32768 alloc=8\*4096

[ 0.000000] pcpu-alloc: [0] 0 [0] 1

[ 0.000000] Built 1 zonelists in Zone order, mobility grouping on. Total pages: 173568

[ 0.000000] Kernel command line: console=ttyO2,115200n8 mem=1G vmalloc=768M androidboot.console=ttyO2 omap\_wdt.timer\_margin=30 androidboot.serialno=014E233D04014015 androidboot.bootloader=U-Boot\_1.1.4-g83ec135f-dirty

[ 0.000000] PID hash table entries: 512 (order: -1, 2048 bytes)

[ 0.000000] Dentry cache hash table entries: 16384 (order: 4, 65536 bytes)

[ 0.000000] Inode-cache hash table entries: 8192 (order: 3, 32768 bytes)

[ 0.000000] Memory: 256MB 430MB = 686MB total

[ 0.000000] Memory: 683104k/683104k available, 365472k reserved, 571392K highmem

[ 0.000000] Virtual kernel memory layout:

[ 0.000000] vector : 0xffff0000 - 0xffff1000 ( 4 kB)

[ 0.000000] fixmap : 0xfff00000 - 0xfffe0000 ( 896 kB)

[ 0.000000] DMA : 0xffc00000 - 0xffe00000 ( 2 MB)

[ 0.000000] vmalloc : 0xc8800000 - 0xf8000000 ( 760 MB)

[ 0.000000] lowmem : 0xc0000000 - 0xc8000000 ( 128 MB)

[ 0.000000] pkmap : 0xbfe00000 - 0xc0000000 ( 2 MB)

[ 0.000000] modules : 0xbf000000 - 0xbfe00000 ( 14 MB)

[ 0.000000] .init : 0xc0008000 - 0xc0050000 ( 288 kB)

[ 0.000000] .text : 0xc0050000 - 0xc088a000 (8424 kB)

[ 0.000000] .data : 0xc088a000 - 0xc0912d80 ( 548 kB)

[ 0.000000] .bss : 0xc0912da4 - 0xc0a89210 (1498 kB)

[ 0.000000] SLUB: Genslabs=13, HWalign=32, Order=0-3, MinObjects=0, CPUs=2, Nodes=1

[ 0.000000] Preemptible hierarchical RCU implementation.

[ 0.000000] NR\_IRQS:410

[ 0.000000] omap\_hwmod: dpll\_mpu\_m2\_ck: missing clockdomain for dpll\_mpu\_m2\_ck.

[ 0.000000] OMAP clockevent source: GPTIMER1 at 32768 Hz

[ 0.000000] sched\_clock: 32 bits at 32kHz, resolution 30517ns, wraps every 131071999ms

[ 0.000000] Calibrating delay loop... 1392.74 BogoMIPS (lpj=5439488)

[ 0.007873] pid\_max: default: 32768 minimum: 301

[ 0.007873] Mount-cache hash table entries: 512

[ 0.007873] Initializing cgroup subsys debug

[ 0.007873] Initializing cgroup subsys cpuacct

[ 0.071502] Initializing cgroup subsys freezer

[ 0.071502] CPU: Testing write buffer coherency: ok

[ 0.071990] L310 cache controller enabled

[ 0.071990] l2x0: 16 ways, CACHE\_ID 0x410000c7, AUX\_CTRL 0x5e470000, Cache size: 1048576 B

[ 0.150177] CPU1: Booted secondary processor

[ 0.165740] Brought up 2 CPUs

[ 0.220520] SMP: Total of 2 processors activated (2792.83 BogoMIPS).

[ 0.223937] omap\_hwmod: \_populate\_mpu\_rt\_base found no \_mpu\_rt\_va for emif\_fw

[ 0.223937] omap\_hwmod: \_populate\_mpu\_rt\_base found no \_mpu\_rt\_va for l3\_instr

[ 0.223968] omap\_hwmod: \_populate\_mpu\_rt\_base found no \_mpu\_rt\_va for l3\_main\_1

[ 0.223968] omap\_hwmod: \_populate\_mpu\_rt\_base found no \_mpu\_rt\_va for l3\_main\_2

[ 0.223999] omap\_hwmod: \_populate\_mpu\_rt\_base found no \_mpu\_rt\_va for l4\_abe

[ 0.223999] omap\_hwmod: \_populate\_mpu\_rt\_base found no \_mpu\_rt\_va for l4\_cfg

[ 0.224029] omap\_hwmod: \_populate\_mpu\_rt\_base found no \_mpu\_rt\_va for l4\_per

[ 0.224029] omap\_hwmod: \_populate\_mpu\_rt\_base found no \_mpu\_rt\_va for l4\_wkup

[ 0.224029] omap\_hwmod: \_populate\_mpu\_rt\_base found no \_mpu\_rt\_va for mpu\_private

[ 0.224121] omap\_hwmod: \_populate\_mpu\_rt\_base found no \_mpu\_rt\_va for sl2if

[ 0.224121] omap\_hwmod: \_populate\_mpu\_rt\_base found no \_mpu\_rt\_va for thermal\_sensor

[ 0.224182] omap\_hwmod: \_populate\_mpu\_rt\_base found no \_mpu\_rt\_va for usbhs\_ohci

[ 0.224182] omap\_hwmod: \_populate\_mpu\_rt\_base found no \_mpu\_rt\_va for usbhs\_ehci

[ 0.224182] omap\_hwmod: l3\_div\_ck: missing clockdomain for l3\_div\_ck.

[ 0.224182] omap\_hwmod: l4\_div\_ck: missing clockdomain for l4\_div\_ck.

[ 0.228302] \_omap4\_module\_wait\_ready: Timeout waiting for module enable (mcpdm\_fck: clkctrl = 0x30002)

[ 0.229614] omap\_hwmod: mcpdm: cannot be enabled (3)

[ 0.235290] print\_constraints: dummy:

[ 0.235534] NET: Registered protocol family 16

[ 0.235534] GPMC revision 6.0

[ 0.236114] EMIF0 is enabled with IRQ142

[ 0.236968] EMIF1 is enabled with IRQ143

[ 0.236968] Last reset was cold reset (PRM\_RSTST=0x1)

[ 0.236968]

[ 0.237335] OMAP GPIO hardware version 0.1

[ 0.238586] omap\_mux\_init: Add partition: #1: core, flags: 2

[ 0.238586] omap\_mux\_init: Add partition: #2: wkup, flags: 2

[ 0.241546] omap\_mux\_get\_by\_name: Could not find signal uart1\_cts.uart1\_cts

[ 0.242279] omap\_hwmod\_mux\_init: Could not allocate device mux entry

[ 0.462677] Modem NOT detected

[ 0.470458] Modem state properly updated to state 0

[ 0.471740] omap\_disp\_led\_init: Configuring as one display LED

[ 0.598449] HSI: skipping omap\_device registration

[ 0.598449] OMAP DMA hardware revision 0.0

[ 0.598449] omap\_rproc\_get\_pool: dsp - no carveout memory is available at all

[ 0.599517] omap\_rproc\_get\_pool: ipu - carveout memory is unavailable: 0x0, 0x0

[ 0.609161] bio: create slab <bio-0> at 0

[ 0.609527] print\_constraints: vwl1271: 1800 mV

[ 0.610321] i2c-core: driver [twl] using legacy suspend method

[ 0.610321] i2c-core: driver [twl] using legacy resume method

[ 0.610351] SCSI subsystem initialized

[ 0.611938] usbcore: registered new interface driver usbfs

[ 0.612091] usbcore: registered new interface driver hub

[ 0.612182] usbcore: registered new device driver usb

[ 0.612915] omap\_i2c omap\_i2c.1: bus 1 rev4.0 at 400 kHz

[ 0.613586] Skipping twl internal clock init and using bootloader value (unknown osc rate)

[ 0.617065] twl6030: PIH (irq 39) chaining IRQs 368..387

[ 0.619903] print\_constraints: VUSB: 3300 mV normal standby

[ 1.134490] PC detected

[ 1.135040] twl6030\_usb twl6030\_usb: Initialized TWL6030 USB module

[ 1.135650] print\_constraints: VMMC: 1200 <--> 3000 mV at 3000 mV normal standby

[ 1.136474] print\_constraints: VPP: 1800 <--> 2500 mV at 1900 mV normal standby

[ 1.137298] print\_constraints: VUSIM: 1200 <--> 2900 mV at 1800 mV normal standby

[ 1.138458] print\_constraints: VCXIO: 1800 mV normal standby

[ 1.139648] print\_constraints: VDAC: 1800 mV normal standby

[ 1.140228] print\_constraints: VAUX1\_6030: 1000 <--> 3000 mV at 2800 mV normal standby

[ 1.140747] print\_constraints: VAUX2\_6030: 1200 <--> 2800 mV at 1800 mV normal standby

[ 1.141540] print\_constraints: VAUX3\_6030: 1000 <--> 3000 mV at 1200 mV normal standby

[ 1.142852] print\_constraints: VDD1:

[ 1.144134] print\_constraints: VDD2:

[ 1.145050] print\_constraints: VDD3:

[ 1.145843] print\_constraints: VMEM: at 1125 mV

[ 1.147125] print\_constraints: V2V1: at 2100 mV

[ 1.148345] print\_constraints: VANA: 2100 mV normal standby

[ 1.149230] print\_constraints: CLK32KG:

[ 1.150207] print\_constraints: CLK32KAUDIO:

[ 1.151397] print\_constraints: SYSEN:

[ 1.152526] print\_constraints: REGEN1:

[ 1.152526] print\_constraints: VOUT: 4075 <--> 4950 mV at 3825 mV normal standby

[ 1.153869] tps6130x 1-0033: Revision 5

[ 1.154602] omap\_i2c omap\_i2c.2: bus 2 rev4.0 at 400 kHz

[ 1.154968] omap\_i2c omap\_i2c.3: bus 3 rev4.0 at 400 kHz

[ 1.155456] omap\_i2c omap\_i2c.4: bus 4 rev4.0 at 400 kHz

[ 1.155456] omap-rproc omap-rproc.0: dsp is available

[ 1.156463] omap-rproc omap-rproc.1: ipu is available

[ 1.156463] Advanced Linux Sound Architecture Driver Version 1.0.24.

[ 1.156707] Bluetooth: Core ver 2.16

[ 1.157379] NET: Registered protocol family 31

[ 1.157440] Bluetooth: HCI device and connection manager initialized

[ 1.157440] Bluetooth: HCI socket layer initialized

[ 1.157470] Bluetooth: L2CAP socket layer initialized

[ 1.157470] Bluetooth: SCO socket layer initialized

[ 1.157470] Switching to clocksource 32k\_counter

[ 1.157958] Switched to NOHz mode on CPU #0

[ 1.157989] Switched to NOHz mode on CPU #1

[ 1.171630] musb-hdrc: version 6.0, musb-dma, otg (peripheral+host)

[ 1.172119] musb-hdrc: ConfigData=0xde (UTMI-8, dyn FIFOs, bulk combine, bulk split, HB-ISO Rx, HB-ISO Tx, SoftConn)

[ 1.172149] musb-hdrc: MHDRC RTL version 2.0

[ 1.172149] musb-hdrc: setup fifo\_mode 4

[ 1.172180] musb-hdrc: 28/31 max ep, 16384/16384 memory

[ 1.172180] musb-hdrc musb-hdrc: USB OTG mode controller at fc0ab000 using DMA, IRQ 124

[ 1.172973] NET: Registered protocol family 2

[ 1.172973] IP route cache hash table entries: 4096 (order: 2, 16384 bytes)

[ 1.172973] TCP established hash table entries: 16384 (order: 5, 131072 bytes)

[ 1.174224] TCP bind hash table entries: 16384 (order: 6, 393216 bytes)

[ 1.175231] TCP: Hash tables configured (established 16384 bind 16384)

[ 1.175231] TCP reno registered

[ 1.175262] UDP hash table entries: 64 (order: 0, 4096 bytes)

[ 1.175262] UDP-Lite hash table entries: 64 (order: 0, 4096 bytes)

[ 1.175262] NET: Registered protocol family 1

[ 1.176086] RPC: Registered named UNIX socket transport module.

[ 1.176086] RPC: Registered udp transport module.

[ 1.176269] RPC: Registered tcp transport module.

[ 1.176269] RPC: Registered tcp NFSv4.1 backchannel transport module.

[ 1.176269] Trying to unpack rootfs image as initramfs...

[ 1.186157] Freeing initrd memory: 164K

[ 1.767120] omap\_init\_opp\_table: no hwmod or odev for hsi, [22] cannot add OPPs.

[ 1.767150] omap\_init\_opp\_table: no hwmod or odev for hsi, [23] cannot add OPPs.

[ 2.329650] ram\_console: got buffer at 90000000, size 200000

[ 2.330596] ram\_console: uncorrectable error in header

[ 2.330596] ram\_console: no valid data in buffer (sig = 0x42ca4a48)

[ 2.330841] console [ram-1] enabled

[ 2.351989] omap-iommu omap-iommu.0: ducati registered

[ 2.352172] omap-iommu omap-iommu.1: tesla registered

[ 2.490509] highmem bounce pool size: 64 pages

[ 2.490905] ashmem: initialized

[ 2.499450] fuse init (API version 7.16)

[ 2.500701] msgmni has been set to 218

[ 2.500701] Registering char device tf\_driver (122:0)

[ 2.500976] SMCAG01.06p6.0 D

[ 2.503234] io scheduler noop registered

[ 2.503356] io scheduler deadline registered

[ 2.503356] io scheduler cfq registered (default)

[ 2.503356] start plist test

[ 2.509338] end plist test

[ 2.510772] OMAP DSS rev 4.0

[ 2.513275] Keyboard driver not present

[ 2.526123] dsscomp: initializing.

[ 2.526123] misc dsscomp: display0=taal

[ 2.526123] misc dsscomp: display1=hdmi\_panel

[ 2.526336] misc dsscomp: found 2 displays and 4 overlays, WB overlay 1

[ 2.526885] could not allocate slot

[ 2.527587] omap-rproc omap-rproc.1: powering up ipu

[ 2.528045] virtio\_rpmsg\_bus virtio0: rpmsg backend virtproc probed successfully

[ 2.528076] virtio\_rpmsg\_bus virtio1: rpmsg backend virtproc probed successfully

[ 2.528076] omap\_uart.0: ttyO0 at MMIO 0x4806a000 (irq = 104) is a OMAP UART0

[ 2.530120] omap\_uart.1: ttyO1 at MMIO 0x4806c000 (irq = 105) is a OMAP UART1

[ 2.530914] omap\_uart.2: ttyO2 at MMIO 0x48020000 (irq = 106) is a OMAP UART2

[ 3.862579] console [ttyO2] enabled

[ 3.866790] omap\_uart.3: ttyO3 at MMIO 0x4806e000 (irq = 102) is a OMAP UART3

[ 3.875152] omap\_ion\_probe: adding heap secure\_input of type 2 with ba300000@5a00000

[ 3.884307] omap\_ion\_probe: adding heap secure\_output\_wfdhdcp of type 2 with b9300000@800000

[ 3.893768] omap\_ion\_probe: adding heap tiler of type 4 with ab7c0000@7040000

[ 3.901763] omap\_ion\_probe: adding heap nonsecure\_tiler of type 4 with ab400000@3c0000

[ 3.906097] omap\_ion\_probe: adding heap system of type 0 with 0@0

[ 3.917572] omap\_ion\_probe: adding heap tiler\_reservation of type 5 with 0@0

[ 3.931213] brd: module loaded

[ 3.939025] loop: module loaded

[ 3.939025] (stk) :sysfs entries created

[ 3.939025] (stk) : debugfs entries created

[ 3.964385] ks8851 spi1.0: message enable is 0

[ 3.973724] ks8851 spi1.0: eth0: revision 1, MAC 2a:0b:ae:63:a3:64, IRQ 194

[ 3.981628] PPP generic driver version 2.4.2

[ 3.986450] PPP Deflate Compression module registered

[ 3.992309] PPP BSD Compression module registered

[ 3.998382] PPP MPPE Compression module registered

[ 4.003814] NET: Registered protocol family 24

[ 4.009368] tun: Universal TUN/TAP device driver, 1.6

[ 4.016540] tun: (C) 1999-2004 Max Krasnyansky <maxk@qualcomm.com>

[ 4.023559] usbcore: registered new interface driver asix

[ 4.029815] usbcore: registered new interface driver cdc\_ether

[ 4.036499] usbcore: registered new interface driver net1080

[ 4.042968] usbcore: registered new interface driver cdc\_subset

[ 4.049743] usbcore: registered new interface driver zaurus

[ 4.055969] cdc\_ncm: 04-Aug-2011

[ 4.055999] usbcore: registered new interface driver cdc\_ncm

[ 4.055999] ehci\_hcd: USB 2.0 'Enhanced' Host Controller (EHCI) Driver

[ 5.108551] ehci-omap ehci-omap.0: OMAP-EHCI Host Controller

[ 5.114959] ehci-omap ehci-omap.0: new USB bus registered, assigned bus number 1

[ 5.123352] ehci-omap ehci-omap.0: irq 109, io mem 0x4a064c00

[ 5.142211] ehci-omap ehci-omap.0: USB 2.0 started, EHCI 1.00

[ 5.142211] usb usb1: New USB device found, idVendor=1d6b, idProduct=0002

[ 5.156311] usb usb1: New USB device strings: Mfr=3, Product=2, SerialNumber=1

[ 5.164398] usb usb1: Product: OMAP-EHCI Host Controller

[ 5.170318] usb usb1: Manufacturer: Linux 3.0.31-01871-gd0d4f29 ehci\_hcd

[ 5.177856] usb usb1: SerialNumber: ehci-omap.0

[ 5.182922] hub 1-0:1.0: USB hub found

[ 5.187774] hub 1-0:1.0: 3 ports detected

[ 5.212646] usbcore: registered new interface driver cdc\_acm

[ 5.212646] cdc\_acm: USB Abstract Control Model driver for USB modems and ISDN adapters

[ 5.227844] Initializing USB Mass Storage driver...

[ 5.233489] usbcore: registered new interface driver usb-storage

[ 5.240203] USB Mass Storage support registered.

[ 5.240203] usbcore: registered new interface driver usbserial

[ 5.252105] usbserial: USB Serial Driver core

[ 5.258758] android\_usb gadget: Mass Storage Function, version: 2009/09/11

[ 5.266479] android\_usb gadget: Number of LUNs=1

[ 5.271667] lun0: LUN: removable file: (no medium)

[ 5.277221] android\_usb gadget: android\_usb ready

[ 5.282806] musb-hdrc musb-hdrc: MUSB HDRC host driver

[ 5.288726] musb-hdrc musb-hdrc: new USB bus registered, assigned bus number 2

[ 5.296844] usb usb2: New USB device found, idVendor=1d6b, idProduct=0002

[ 5.304473] usb usb2: New USB device strings: Mfr=3, Product=2, SerialNumber=1

[ 5.312591] usb usb2: Product: MUSB HDRC host driver

[ 5.312591] usb usb2: Manufacturer: Linux 3.0.31-01871-gd0d4f29 musb-hcd

[ 5.325622] usb usb2: SerialNumber: musb-hdrc

[ 5.330505] hub 2-0:1.0: USB hub found

[ 5.335235] hub 2-0:1.0: 1 port detected

[ 5.339782] mousedev: PS/2 mouse device common for all mice

[ 5.346618] input: omap4-keypad as /devices/platform/omap/omap4-keypad/input/input0

[ 5.362304] tm12xx\_ts: Synaptic TM12xx Touchscreen Driver found man id 1 (1)

[ 5.375488] tm12xx\_ts 2-004b: resetting device (reg 0x62)

[ 5.518066] tm12xx\_ts 2-004b: no button capabilities found

[ 5.524322] tm12xx\_ts: Synaptic TM12xx Touchscreen Driver found man id 1 (1)

[ 5.533294] tm12xx\_ts: product ID: TM1217 family:1 fw:9

[ 5.533294] input: syn\_tm12xx\_ts\_1 as /devices/platform/omap/omap\_i2c.2/i2c-2/2-004b/input/input1

[ 5.550476] tm12xx\_ts 2-004b: device status: 0x0, no error

[ 5.559967] tm12xx\_ts 3-004b: resetting device (reg 0x62)

[ 5.708221] CMA3000 Acclerometer : Revision 10

[ 5.718872] tm12xx\_ts 3-004b: no button capabilities found

[ 5.726318] tm12xx\_ts: product ID: TM1217 family:1 fw:9

[ 5.726318] input: syn\_tm12xx\_ts\_2 as /devices/platform/omap/omap\_i2c.3/i2c-3/3-004b/input/input2

[ 5.743408] tm12xx\_ts 3-004b: device status: 0x0, no error

[ 5.755554] input: cma3000-acclerometer as /devices/virtual/input/input3

[ 5.798797] bh1780 3-0029: Ambient Light Sensor, Rev : 1

[ 5.798828] input: bh1780gli as /devices/virtual/input/input4

[ 5.812530] bmp085 4-0077: BMP085 ver. 1.0 found.

[ 5.817810] input: bmp085 as /devices/virtual/input/input5

[ 5.824249] bmp085 4-0077: Succesfully initialized bmp085!

[ 5.830444] twl6030\_pwrbutton\_probe: Enter

[ 5.835601] input: twl6030\_pwrbutton as /devices/platform/omap/omap\_i2c.1/i2c-1/1-0049/twl6030\_pwrbutton/input/input6

[ 5.849365] input: hmc5843 as /devices/virtual/input/input7

[ 5.849365] sfh7741\_probe: Proximity sensor

[ 5.860809] input: sfh7741 as /devices/platform/sfh7741.1/input/input8

[ 5.869354] twl\_rtc twl\_rtc: Power up reset detected.

[ 5.876129] twl\_rtc twl\_rtc: Enabling TWL-RTC.

[ 5.883300] using rtc device, twl\_rtc, for alarms

[ 5.888458] twl\_rtc twl\_rtc: rtc core: registered twl\_rtc as rtc0

[ 5.895782] i2c /dev entries driver

[ 5.895782] lirc\_dev: IR Remote Control driver registered, major 249

[ 5.907623] IR NEC protocol handler initialized

[ 5.912780] IR RC5(x) protocol handler initialized

[ 5.918151] IR RC6 protocol handler initialized

[ 5.918151] IR JVC protocol handler initialized

[ 5.928314] IR Sony protocol handler initialized

[ 5.928344] IR RC5 (streamzap) protocol handler initialized

[ 5.939758] IR LIRC bridge handler initialized

[ 5.944732] Linux video capture interface: v2.00

[ 5.944732] usbcore: registered new interface driver uvcvideo

[ 5.956512] USB Video Class driver (v1.1.0)

[ 5.956512] dmm: probe base: fd300000, irq 145

[ 6.267852] twl6030\_bci twl6030\_bci: Battery Voltage at Bootup is 3764 mV

[ 6.356872] lm75 3-0048: hwmon0: sensor 'tmp105'

[ 6.365844] OMAP Watchdog Timer Rev 0x01: initial timeout 30 sec

[ 6.374023] device-mapper: uevent: version 1.0.3

[ 6.374603] device-mapper: ioctl: 4.20.0-ioctl (2011-02-02) initialised: dm-devel@redhat.com

[ 6.389617] Bluetooth: HCI UART driver ver 2.2

[ 6.394714] Bluetooth: HCI H4 protocol initialized

[ 6.400054] Bluetooth: Bluetooth Driver for TI WiLink - Version 1.0

[ 6.409118] (stc): st\_register(2)

[ 6.409118] (stc): chnl\_id list empty :2

[ 6.415740] cpuidle: using governor ladder

[ 6.415740] cpuidle: using governor menu

[ 6.426483] (stk) : st\_kim\_start

[ 6.435516] Registered led device: omap4:green:debug0

[ 6.441589] Registered led device: omap4:green:debug1

[ 6.447692] leds-gpio: probe of leds-gpio failed with error -16

[ 6.455780] Registered led device: omap4:green:chrg

[ 6.461364] omap4430\_sdp\_display\_probe:Enter

[ 6.466339] Registered led device: lcd-backlight

[ 6.475799] omap4430\_sdp\_display\_probe:Exit

[ 6.480743] omap4430\_keypad\_led\_probe:Enter

[ 6.485565] Registered led device: keyboard-backlight

[ 6.502502] omap4430\_keypad\_led\_probe:Exit

[ 6.509277] usbcore: registered new interface driver usbhid

[ 6.515472] usbhid: USB HID core driver

[ 6.520294] logger: created 256K log 'log\_main'

[ 6.525482] logger: created 256K log 'log\_events'

[ 6.530822] logger: created 256K log 'log\_radio'

[ 6.536224] logger: created 256K log 'log\_system'

[ 6.544006] thermal\_sensor\_set\_temp: no cooling agents for domain cpu

[ 6.551239] omap\_report\_temp:thermal\_sensor\_set\_temp reports error

[ 6.552886] (stk) :ldisc\_install = 1

[ 6.562286] omap\_temp\_sensor omap\_temp\_sensor.0: omap\_ondie\_sensor : 'omap\_temp\_sensor'

[ 6.562316] thermal\_sensor\_set\_temp: no cooling agents for domain cpu

[ 6.578918] pcb\_temp\_sensor pcb\_temp\_sensor.0: pcb\_sensor : 'pcb\_temp\_sensor'

[ 6.587097] OMAPRPC: Registration of OMAPRPC rpmsg service returned 0!

[ 6.595184] OMAP HSI: HSI driver version 0.4.3

[ 6.600524] OMAP HSI: Platform DRIVER register FAILED: -19

[ 6.607147] usbcore: registered new interface driver snd-usb-audio

[ 6.616912] SDP4430 SoC init

[ 6.655090] asoc: null-codec-dai <-> MultiMedia1 mapping ok

[ 6.662628] asoc: null-codec-dai <-> MultiMedia2 mapping ok

[ 6.670745] asoc: null-codec-dai <-> Voice mapping ok

[ 6.677795] asoc: null-codec-dai <-> Tones mapping ok

[ 6.684844] asoc: null-codec-dai <-> Vibra mapping ok

[ 6.691436] asoc: null-codec-dai <-> MODEM mapping ok

[ 6.698120] asoc: null-codec-dai <-> MultiMedia1 LP mapping ok

[ 6.706451] asoc: FM Digital <-> omap-mcbsp-dai.1 mapping ok

[ 6.714141] asoc: twl6040-dl1 <-> mcpdm-dl mapping ok

[ 6.721984] asoc: dmic-hifi <-> omap-dmic-dai-0 mapping ok

[ 6.730194] twl6040-codec twl6040-codec: ASoC: Failed to create Aux/FM Stereo In debugfs file

[ 6.740722] asoc: twl6040-dl1 <-> mcpdm-dl1 mapping ok

[ 6.747619] asoc: twl6040-ul <-> mcpdm-ul1 mapping ok

[ 6.753326] mmc0: new high speed DDR MMC card at address 0001

[ 6.761199] asoc: twl6040-dl2 <-> mcpdm-dl2 mapping ok

[ 6.767181] mmcblk0: mmc0:0001 SEM32G 29.7 GiB

[ 6.773010] mmcblk0boot0: mmc0:0001 SEM32G partition 1 2.00 MiB

[ 6.779907] asoc: twl6040-vib <-> mcpdm-vib mapping ok

[ 6.786590] mmcblk0boot1: mmc0:0001 SEM32G partition 2 2.00 MiB

[ 6.786865] asoc: Bluetooth <-> omap-mcbsp-dai.0 mapping ok

[ 6.787902] asoc: Bluetooth <-> omap-mcbsp-dai.0 mapping ok

[ 6.788909] asoc: FM Digital <-> omap-mcbsp-dai.1 mapping ok

[ 6.789947] asoc: MODEM <-> omap-mcbsp-dai.1 mapping ok

[ 6.791015] asoc: dmic-hifi <-> omap-dmic-abe-dai-0 mapping ok

[ 6.791961] asoc: dmic-hifi <-> omap-dmic-abe-dai-1 mapping ok

[ 6.792938] asoc: dmic-hifi <-> omap-dmic-abe-dai-2 mapping ok

[ 6.793945] asoc: null-codec-dai <-> omap-abe-vxrec-dai mapping ok

[ 6.796539] input: SDP4430 Headset Jack as /devices/platform/soc-audio/sound/card0/input9

[ 6.854614] asoc: hdmi-audio-codec <-> hdmi-audio-dai mapping ok

[ 6.861938] ALSA device list:

[ 6.865356] #0: TI OMAP4 Board

[ 6.869049] #1: OMAP4HDMI

[ 6.872375] GACT probability NOT on

[ 6.876342] Mirror/redirect action on

[ 6.880737] u32 classifier

[ 6.883789] Alternate GPT is invalid, using primary GPT.

[ 6.889801] mmcblk0: p1 p2 p3 p4 p5 p6 p7 p8 p9 p10

[ 6.895416] Actions configured

[ 6.899230] Netfilter messages via NETLINK v0.30.

[ 6.907073] nf\_conntrack version 0.5.0 (10676 buckets, 42704 max)

[ 6.913879] mmcblk0boot1: unknown partition table

[ 6.921203] ctnetlink v0.93: registering with nfnetlink.

[ 6.927154] mmcblk0boot0: unknown partition table

[ 6.932952] NF\_TPROXY: Transparent proxy support initialized, version 4.1.0

[ 6.940765] NF\_TPROXY: Copyright (c) 2006-2007 BalaBit IT Ltd.

[ 6.947692] xt\_time: kernel timezone is -0000

[ 6.955108] ip\_tables: (C) 2000-2006 Netfilter Core Team

[ 6.961242] arp\_tables: (C) 2002 David S. Miller

[ 6.966552] TCP cubic registered

[ 6.971069] NET: Registered protocol family 10

[ 6.983612] Mobile IPv6

[ 6.986419] ip6\_tables: (C) 2000-2006 Netfilter Core Team

[ 6.992797] IPv6 over IPv4 tunneling driver

[ 7.004180] NET: Registered protocol family 17

[ 7.009185] NET: Registered protocol family 15

[ 7.014465] Bridge firewalling registered

[ 7.019165] Bluetooth: RFCOMM TTY layer initialized

[ 7.024597] Bluetooth: RFCOMM socket layer initialized

[ 7.030426] Bluetooth: RFCOMM ver 1.11

[ 7.034637] Bluetooth: BNEP (Ethernet Emulation) ver 1.3

[ 7.040557] Bluetooth: HIDP (Human Interface Emulation) ver 1.2

[ 7.047363] NET: Registered protocol family 35

[ 7.052764] NET: Registered protocol family 37

[ 7.057830] VFP support v0.3: implementor 41 architecture 3 part 30 variant 9 rev 4

[ 7.066436] ThumbEE CPU extension supported.

[ 7.071289] Registering SWP/SWPB emulation handler

[ 7.083404] Reprogramming LPDDR2 timings to 400000000 Hz

[ 7.089691] sr\_init: No PMIC hook to init smartreflex

[ 7.095550] smartreflex smartreflex.0: omap\_sr\_probe: SmartReflex driver initialized

[ 7.104431] smartreflex smartreflex.1: omap\_sr\_probe: SmartReflex driver initialized

[ 7.113281] smartreflex smartreflex.2: omap\_sr\_probe: SmartReflex driver initialized

[ 7.122406] SmartReflex class 1.5 driver: initialized (86400000ms)

[ 7.129608] cpufreq\_interactive\_input\_connect: connect to syn\_tm12xx\_ts\_1

[ 7.137207] cpufreq\_interactive\_input\_connect: connect to syn\_tm12xx\_ts\_2

[ 7.157806] sr\_class1p5\_calib\_work: mpu: Calibration complete: Voltage Nominal=1203000Calib=990000 margin=0

[ 7.169006] sr\_class1p5\_calib\_work: core: Calibration complete: Voltage Nominal=1127000Calib=1012840 margin=13000

[ 7.180725] omap\_cpu\_thermal\_manager:sensor 37300 avg sensor 0 pcb

[ 7.187591] 0, delta 3679 hot spot 40979

[ 7.192474] omap\_cpu\_thermal\_manager: hot spot temp 40979 - going into safe zone

[ 7.209503] mmc1: host does not support reading read-only switch. assuming write-enable.

[ 7.218566] sr\_class1p5\_calib\_work: iva Stop sampling: Voltage Nominal=950000 samples=7

[ 7.227783] sr\_class1p5\_calib\_work: iva: Calibration complete: Voltage Nominal=950000Calib=860920 margin=13000

[ 7.251678] mmc1: new high speed SDHC card at address b368

[ 7.258178] mmcblk1: mmc1:b368 00000 7.51 GiB

[ 7.274871] GPT:partition\_entry\_array\_crc32 values don't match: 0xb98ff710 != 0xaca038e1

[ 7.284027] GPT: Use GNU Parted to correct GPT errors.

[ 7.290100] mmcblk1: p1 p2 p3 p4 p5 p6 p7 p8 p9 p10

[ 7.295867] Power Management for TI OMAP4.

[ 7.300628] OMAP4 PM: Static dependency added between MPUSS and DUCATI <-> L4\_PER/CFG and L3\_1.

[ 7.323669] clock: disabling unused clocks to save power

[ 7.365020] cannot apply mgr(lcd) on inactive device

[ 7.370605] omapfb omapfb: failed to apply dispc config

[ 7.376495] cannot apply mgr(tv) on inactive device

[ 7.381927] omapfb omapfb: failed to apply dispc config

[ 7.387725] sr\_class1p5\_calib\_work: mpu: Calibration complete: Voltage Nominal=1317000Calib=1090000 margin=0

[ 7.398651] cannot apply mgr(lcd2) on inactive device

[ 7.404632] omapfb omapfb: failed to apply dispc config

[ 7.427978] mmc2: card claims to support voltages below the defined range. These will be ignored.

[ 7.463104] mmc2: queuing unknown CIS tuple 0x91 (3 bytes)

[ 7.469696] mmc2: new high speed SDIO card at address 0001

[ 7.540832] sr\_class1p5\_calib\_work: core: Calibration complete: Voltage Nominal=962000Calib=911560 margin=38000

[ 7.552337] taal display0: taal panel revision e3.85.7d

[ 7.603149] sr\_class1p5\_calib\_work: mpu: Calibration complete: Voltage Nominal=1390000Calib=1320000 margin=0

[ 7.671234] twl\_rtc twl\_rtc: setting system clock to 2000-01-01 00:00:01 UTC (946684801)

[ 7.681701] Freeing init memory: 288K

[ 7.695312] init: could not import file 'init.modem.rc' from '/init.omap4blazeboard.rc'

[ 7.704711] (stk) :ldisc installation timeout

[ 7.705535] init (1): /proc/1/oom\_adj is deprecated, please use /proc/1/oom\_score\_adj instead.

[ 7.719512] (stk) :ldisc\_install = 0

[ 7.743774] sr\_class1p5\_calib\_work: mpu Stop sampling: Voltage Nominal=1025000 samples=12

[ 7.754913] sr\_class1p5\_calib\_work: mpu: Calibration complete: Voltage Nominal=1025000Calib=840000 margin=10000

[ 7.938507] keychord: using input dev omap4-keypad for fevent

[ 7.993499] EXT4-fs (mmcblk0p8): mounted filesystem with ordered data mode. Opts: (null)

[ 8.002960] Invalid Device Structure

[ 8.016723] EXT4-fs (mmcblk0p10): mounted filesystem with ordered data mode. Opts: nomblk\_io\_submit

[ 8.034881] EXT4-fs (mmcblk0p9): mounted filesystem with ordered data mode. Opts: nomblk\_io\_submit

[ 8.051239] EXT4-fs (mmcblk0p4): mounted filesystem with ordered data mode. Opts: (null)

[ 8.327545] omap-rproc omap-rproc.1: Loaded BIOS image ducati-m3.bin, size 5852836

[ 8.338562] HDCP: failed to load keys

[ 8.339019] init: cannot find '/system/bin/setup\_fs', disabling 'setup\_fs'

[ 8.340606] init: cannot find '/system/bin/rild', disabling 'ril-daemon'

[ 8.342437] init: cannot find '/system/etc/install-recovery.sh', disabling 'flash\_recovery'

[ 8.387817] omap-rproc omap-rproc.1: can't start rproc ipu: -5

[ 8.454986] Compat-wireless backport release: ol\_R5.SP2.04

[ 8.462005] Backport based on wl12xx.git ol\_R5.SP2.04

[ 8.654235] PVR: PVRCore\_Init

[ 8.658264] PVR: LinuxMMInit: Maximum page pool size: 10800

[ 8.664886] PVR: PVRSRVDriverProbe(pDevice=c78ac800)

[ 8.670562] PVR: SGX register base: 0x56000000

[ 8.675872] PVR: SGX register size: 65535

[ 8.680603] PVR: SGX IRQ: 53

[ 8.684356] PVR: EnableSystemClocks: Enabling System Clocks

[ 8.691467] PVR: PVRCore\_Init: major device 246

[ 8.829711] sr\_class1p5\_calib\_work: mpu: Calibration complete: Voltage Nominal=1380000Calib=1200000 margin=0

[ 8.876708] (stk) : timed out waiting for ldisc to be un-installed

[ 8.996826] PVR: Installing MISR with cookie bf04b4e8

[ 9.014739] cfg80211: Calling CRDA to update world regulatory domain

[ 9.022033] PVR: Installing device LISR SGX ISR on IRQ 53 with cookie c6c89000

[ 9.032104] PVR: SysFinalise: Version string: SGX revision = 1.2.0

[ 9.035827] (stk) :ldisc\_install = 1

[ 9.043334] omaplfbOMAPLFBInit: Blitsville gc2d not present, blits disabled

[ 9.057067] omaplfb: OMAPLFBInitIonOmap: Device 0: Requesting 2 TILER 2D framebuffers

[ 9.086578] (stc): st\_tty\_open

[ 9.089935] (stk) :line discipline installed

[ 9.095184] (stk) :TIInit\_10.6.15.bts

[ 9.254119] cfg80211: World regulatory domain updated:

[ 9.267150] cfg80211: (start\_freq - end\_freq @ bandwidth), (max\_antenna\_gain, max\_eirp)

[ 9.282806] cfg80211: (2402000 KHz - 2472000 KHz @ 40000 KHz), (300 mBi, 2000 mBm)

[ 9.296020] cfg80211: (2457000 KHz - 2482000 KHz @ 20000 KHz), (300 mBi, 2000 mBm)

[ 9.306304] cfg80211: (2474000 KHz - 2494000 KHz @ 20000 KHz), (300 mBi, 2000 mBm)

[ 9.315429] cfg80211: (5170000 KHz - 5250000 KHz @ 40000 KHz), (300 mBi, 2000 mBm)

[ 9.316284] EXT4-fs (mmcblk0p8): re-mounted. Opts: (null)

[ 9.329772] cfg80211: (5735000 KHz - 5835000 KHz @ 40000 KHz), (300 mBi, 2000 mBm)

[ 9.338745] EXT4-fs (mmcblk0p8): re-mounted. Opts: (null)

[ 9.702819] wl12xx: driver version: BETA\_01202012\_01-1871-gd0d4f29

[ 9.710540] wl12xx: compilation time: Fri Sep 14 09:48:34 2012

[ 9.712677] (stc): add\_channel\_to\_table: id 2

[ 9.712677] (stc): st\_register(3)

[ 9.712707] (stc): add\_channel\_to\_table: id 3

[ 9.712707] (stc): st\_register(4)

[ 9.712707] (stc): add\_channel\_to\_table: id 4

[ 9.739898] init: using deprecated syntax for specifying property 'ro.product.manufacturer', use ${name} instead

[ 9.751129] init: using deprecated syntax for specifying property 'ro.product.model', use ${name} instead

[ 9.761627] init: using deprecated syntax for specifying property 'ro.serialno', use ${name} instead

[ 9.807312] android\_usb: already disabled

[ 9.812011] init: using deprecated syntax for specifying property 'sys.usb.config', use ${name} instead

[ 9.823425] init: using deprecated syntax for specifying property 'sys.usb.config', use ${name} instead

[ 9.835876] warning: `adbd' uses 32-bit capabilities (legacy support in use)

[ 9.845214] adb\_open

[ 9.847717] mtp\_bind\_config

[ 9.850891] adb\_bind\_config

shell@android:/ $ [ 9.930786] misc dsscomp: [c6d1e800] ignoring set failure -22

[ 9.962646] Invalid Device Structure

[ 10.067352] android\_work: sent uevent USB\_STATE=CONNECTED

[ 10.073913] android\_work: sent uevent USB\_STATE=DISCONNECTED

[ 10.141265] android\_work: sent uevent USB\_STATE=CONNECTED

[ 10.648010] android\_usb gadget: high speed config #1: android

[ 10.654510] android\_work: sent uevent USB\_STATE=CONFIGURED

[ 11.721954] (stc): remove\_channel\_from\_table: id 2

[ 11.730712] (stc): remove\_channel\_from\_table: id 3

[ 11.735809] (stc): remove\_channel\_from\_table: id 4

[ 11.740936] (stc): all chnl\_ids unregistered

[ 11.745697] (stk) :ldisc\_install = 0

[ 11.749511] (stc): st\_tty\_close

[ 16.021545] init: no such service 'hciattach'

[ 16.027038] (stc): st\_register(2)

[ 16.031097] (stc): chnl\_id list empty :2

[ 16.035888] (stk) : st\_kim\_start

[ 16.175109] (stk) :ldisc\_install = 1

[ 16.230010] (stc): st\_tty\_open

[ 16.233673] (stk) :line discipline installed

[ 16.238739] (stk) :TIInit\_10.6.15.bts

[ 16.528472] (stc): add\_channel\_to\_table: id 2

[ 16.533538] (stc): st\_register(3)

[ 16.537231] (stc): add\_channel\_to\_table: id 3

[ 16.542114] (stc): st\_register(4)

[ 16.545745] (stc): add\_channel\_to\_table: id 4

[ 16.946472] cfg80211: wext will not work because kernel was compiled with CONFIG\_WIRELESS\_EXT=n. Tools using wext interface, like iwconfig will not work.

[ 16.964874] wl12xx: loaded

[ 17.057891] wl12xx: state: 0

[ 17.243560] (stc): remove\_channel\_from\_table: id 2

[ 17.248931] (stc): remove\_channel\_from\_table: id 3

[ 17.254302] (stc): remove\_channel\_from\_table: id 4

[ 17.259765] (stc): all chnl\_ids unregistered

[ 17.264587] (stk) :ldisc\_install = 0

[ 17.268585] (stc): st\_tty\_close

[ 17.373321] (stc): st\_register(2)

[ 17.377227] (stc): chnl\_id list empty :2

[ 17.381805] (stk) : st\_kim\_start

[ 17.492279] (stk) :ldisc\_install = 1

[ 17.543212] wl12xx: firmware booted (Rev 7.3.9.0.120)

[ 17.547180] (stc): st\_tty\_open

[ 17.547241] (stk) :line discipline installed

[ 17.557495] (stk) :TIInit\_10.6.15.bts

[ 17.575622] ADDRCONF(NETDEV\_UP): wlan0: link is not ready

[ 17.615966] wl12xx: state: 2

[ 17.631072] ADDRCONF(NETDEV\_UP): p2p0: link is not ready

[ 17.819122] (stc): add\_channel\_to\_table: id 2

[ 17.824005] (stc): st\_register(3)

[ 17.827667] (stc): add\_channel\_to\_table: id 3

[ 17.832550] (stc): st\_register(4)

[ 17.836212] (stc): add\_channel\_to\_table: id 4

[ 26.431213] eth0: no IPv6 routers present

[ 36.221374] wlan0: authenticate with 00:0c:41:66:d9:6a (try 1)

[ 36.230957] wlan0: authenticated

[ 36.307312] wlan0: associate with 00:0c:41:66:d9:6a (try 1)

[ 36.316741] wlan0: RX AssocResp from 00:0c:41:66:d9:6a (capab=0x11 status=0 aid=8)

[ 36.325408] wlan0: associated

[ 36.328857] wlan0: moving STA 00:0c:41:66:d9:6a to state 1

[ 36.335266] wlan0: moving STA 00:0c:41:66:d9:6a to state 2

[ 36.371368] ADDRCONF(NETDEV\_CHANGE): wlan0: link becomes ready

[ 36.382263] wlan0: moving STA 00:0c:41:66:d9:6a to state 3

[ 36.393920] wl12xx: Association completed.

[ 46.743713] wlan0: no IPv6 routers present

[ 84.773834] acc\_open

[ 84.776702] acc\_release

[ 85.400115] sr\_class1p5\_calib\_work: core: Calibration complete: Voltage Nominal=1250000Calib=1025500 margin=13000