IPNC UBL Version: 2.2.0

Platform: DM368-432

UBL Executed Sucessfully

Jumping to entry point at 0x81080000

U-Boot 1.3.4 (Jun 5 2013 - 12:45:48) DM368-IPNC-5.1.0

I2C: ready

DRAM: 128 MB

NAND: NAND device: Manufacturer ID: 0xec, Chip ID: 0xf1 (Samsung NAND 128MiB 3,3V 8-bit)

Bad block table not found for chip 0

Bad block table not found for chip 0

 loop oob 81021ad8 Bad block table written to 0x07fe0000, version 0x01

 loop oob 81021ad8 Bad block table written to 0x07fc0000, version 0x01

128 MiB

In: serial

Out: serial

Err: serial

ARM Clock :- 432MHz

DDR Clock :- 340MHz

Ethernet PHY: GENERIC @ 0x01

Hit any key to stop autoboot: 0

Loading from NAND 128MiB 3,3V 8-bit, offset 0x500000

 Image Name: Linux-2.6.37\_IPNC\_DM368\_5.1.0

 Image Type: ARM Linux Kernel Image (uncompressed)

 Data Size: 3711968 Bytes = 3.5 MB

 Load Address: 80008000

 Entry Point: 80008000

## Booting kernel from Legacy Image at 80700000 ...

 Image Name: Linux-2.6.37\_IPNC\_DM368\_5.1.0

 Image Type: ARM Linux Kernel Image (uncompressed)

 Data Size: 3711968 Bytes = 3.5 MB

 Load Address: 80008000

 Entry Point: 80008000

 Loading Kernel Image ... OK

OK

Starting kernel ...

[ 0.000000] Linux version 2.6.37\_IPNC\_DM368\_5.1.0 (x0066085@bangvideoapps01) (gcc version 4.3.3 (GCC) ) #1 PREEMPT Wed Jun 5 12:54:13 IST 2013

[ 0.000000] CPU: ARM926EJ-S [41069265] revision 5 (ARMv5TEJ), cr=00053177

[ 0.000000] CPU: VIVT data cache, VIVT instruction cache

[ 0.000000] Machine: DaVinci DM36x IPNC

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

[ 0.000000] DaVinci dm365\_rev1.1 variant 0x0

[ 0.000000] Built 1 zonelists in Zone order, mobility grouping on. Total pages: 12192

[ 0.000000] Kernel command line: mem=48M console=ttyS1,115200n8 noinitrd ip=dhcp rw ubi.mtd=3,2048 rootfstype=ubifs root=ubi0:rootfs cmemk.phys\_start=0x83000000 cmemk.phys\_end=0x88000000 cmemk.phys\_start\_1=0x00001000 cmemk.phys\_end\_1=0x00008000 cmemk.pools\_1=1x28672 cmemk.allowOverlap=1 cmemk.useHeapIfPoolUnavailable=1 nohz=off highres=off clocksource=acpi\_pm lpj=1077248 eth=$(ethaddr)

[ 0.000000] TI DaVinci EMAC: kernel boot params Ethernet address: $(ethaddr)

[ 0.000000] PID hash table entries: 256 (order: -2, 1024 bytes)

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

[ 0.000000] Inode-cache hash table entries: 4096 (order: 2, 16384 bytes)

[ 0.000000] Memory: 48MB = 48MB total

[ 0.000000] Memory: 44916k/44916k available, 4236k reserved, 0K highmem

[ 0.000000] Virtual kernel memory layout:

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

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

[ 0.000000] DMA : 0xff000000 - 0xffe00000 ( 14 MB)

[ 0.000000] vmalloc : 0xc3800000 - 0xfea00000 ( 946 MB)

[ 0.000000] lowmem : 0xc0000000 - 0xc3000000 ( 48 MB)

[ 0.000000] modules : 0xbf000000 - 0xc0000000 ( 16 MB)

[ 0.000000] .init : 0xc0008000 - 0xc002a000 ( 136 kB)

[ 0.000000] .text : 0xc002a000 - 0xc036b000 (3332 kB)

[ 0.000000] .data : 0xc036c000 - 0xc03923e0 ( 153 kB)

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

[ 0.000000] Preemptable hierarchical RCU implementation.

[ 0.000000] RCU-based detection of stalled CPUs is disabled.

[ 0.000000] Verbose stalled-CPUs detection is disabled.

[ 0.000000] NR\_IRQS:245

[ 0.000000] Console: colour dummy device 80x30

[ 0.000298] Calibrating delay loop (skipped) preset value.. 215.44 BogoMIPS (lpj=1077248)

[ 0.000355] pid\_max: default: 32768 minimum: 301

[ 0.000578] Security Framework initialized

[ 0.000732] Mount-cache hash table entries: 512

[ 0.001580] CPU: Testing write buffer coherency: ok

[ 0.003314] devtmpfs: initialized

[ 0.006429] DaVinci: 8 gpio irqs

[ 0.007067] NET: Registered protocol family 16

[ 0.043177] dm365\_rmd\_cs\_rdk\_150\_wl\_init

[ 0.123362] bio: create slab <bio-0> at 0

[ 0.128265] SCSI subsystem initialized

[ 0.132985] usbcore: registered new interface driver usbfs

[ 0.134371] usbcore: registered new interface driver hub

[ 0.135315] usbcore: registered new device driver usb

[ 0.138711] vpss vpss: dm365\_vpss vpss probed

[ 0.138773] vpss vpss: dm365\_vpss vpss probe success

[ 0.143048] Advanced Linux Sound Architecture Driver Version 1.0.23.

[ 0.146688] Switching to clocksource timer0\_1

[ 0.230928] NET: Registered protocol family 2

[ 0.231234] IP route cache hash table entries: 1024 (order: 0, 4096 bytes)

[ 0.231982] TCP established hash table entries: 2048 (order: 2, 16384 bytes)

[ 0.232122] TCP bind hash table entries: 2048 (order: 1, 8192 bytes)

[ 0.232213] TCP: Hash tables configured (established 2048 bind 2048)

[ 0.232245] TCP reno registered

[ 0.232285] UDP hash table entries: 256 (order: 0, 4096 bytes)

[ 0.232345] UDP-Lite hash table entries: 256 (order: 0, 4096 bytes)

[ 0.232861] NET: Registered protocol family 1

[ 0.301959] JFFS2 version 2.2. (NAND) ? 2001-2006 Red Hat, Inc.

[ 0.305573] msgmni has been set to 87

[ 0.309639] io scheduler noop registered (default)

[ 0.311658] CSL: Module install successful, device major num = 254

[ 0.311704] CSL: Module version 0.10.00, built on Jun 5 2013 12:46:34

[ 0.311756] I2C: Module install successful, device major num = 253

[ 0.311797] DMA: Module install successful, device major num = 252

[ 0.311823] DRV: Module install successful

[ 0.311847] DRV: Module built on Jun 5 2013 12:46:36

[ 0.311874] DRV: EDMACC.QUEPRI = 00002777

[ 0.311896] DRV: SYSTEM.MSTPRI0 = 00440011

[ 0.311919] DRV: SYSTEM.MSTPRI1 = 00000444

[ 0.311940] DRV: ISP.BCR = 00000002

[ 0.311962] DRV: SYSTEM.MISC = 00000399

[ 0.311984] EDMAK module: built on Jun 5 2013 at 12:46:17

[ 0.312013] Reference Linux version 2.6.37

[ 0.312039] File /data/datalocal1\_videoapps01/user/santosh/DM36x/dvsdk\_ipnctools/linuxutils\_2\_26\_02\_05/packages/ti/sdo/linuxutils/edma/src/module/edmak.c

[ 0.313750] IRQK module: built on Jun 5 2013 at 12:46:12

[ 0.313801] Reference Linux version 2.6.37

[ 0.313829] File /data/datalocal1\_videoapps01/user/santosh/DM36x/dvsdk\_ipnctools/linuxutils\_2\_26\_02\_05/packages/ti/sdo/linuxutils/irq/src/module/irqk.c

[ 0.315561] irqk initialized

[ 0.317301] CMEMK module: built on Jun 5 2013 at 12:46:15

[ 0.317354] Reference Linux version 2.6.37

[ 0.317382] File /data/datalocal1\_videoapps01/user/santosh/DM36x/dvsdk\_ipnctools/linuxutils\_2\_26\_02\_05/packages/ti/sdo/linuxutils/cmem/src/module/cmemk.c

[ 0.322632] allocated heap buffer 0xc4000000 of size 0x5000000

[ 0.322673] heap fallback enabled - will try heap if pool buffer is not available

[ 0.322714] CMEM Range Overlaps Kernel Physical - allowing overlap

[ 0.322748] CMEM phys\_start (0x1000) overlaps kernel (0x80000000 -> 0x83000000)

[ 0.322896] cmemk initialized

[ 0.322950] Serial: 8250/16550 driver, 2 ports, IRQ sharing disabled

[ 0.421392] serial8250.0: ttyS0 at MMIO 0x1c20000 (irq = 40) is a 16550A

[ 0.481275] serial8250.0: ttyS1 at MMIO 0x1d06000 (irq = 41) is a 16550A

[ 1.011411] console [ttyS1] enabled

[ 1.052996] brd: module loaded

[ 1.065533] NAND device: Manufacturer ID: 0xec, Chip ID: 0xf1 (Samsung )

[ 1.074120] Bad block table not found for chip 0

[ 1.080278] Bad block table not found for chip 0

[ 1.084913] Scanning device for bad blocks

[ 1.170019] Creating 7 MTD partitions on "davinci\_nand.0":

[ 1.175646] 0x000000000000-0x000000300000 : "bootloader"

[ 1.185881] 0x000000300000-0x000000500000 : "params"

[ 1.195891] 0x000000500000-0x000000900000 : "kernel"

[ 1.206113] 0x000000900000-0x000003100000 : "filesystem1"

[ 1.216926] 0x000003100000-0x000003900000 : "data1"

[ 1.226909] 0x000003900000-0x000006100000 : "filesystem2"

[ 1.237481] 0x000006100000-0x000008000000 : "data2"

[ 1.247615] davinci\_nand davinci\_nand.0: controller rev. 2.3

[ 1.256819] UBI: attaching mtd3 to ubi0

[ 1.261015] UBI: physical eraseblock size: 131072 bytes (128 KiB)

[ 1.267299] UBI: logical eraseblock size: 126976 bytes

[ 1.272892] UBI: smallest flash I/O unit: 2048

[ 1.277608] UBI: sub-page size: 512

[ 1.282349] UBI: VID header offset: 2048 (aligned 2048)

[ 1.288365] UBI: data offset: 4096

[ 1.539198] UBI: max. sequence number: 4

[ 1.555690] UBI warning: print\_rsvd\_warning: cannot reserve enough PEBs for bad PEB handling, reserved 2, need 3

[ 1.568788] UBI: attached mtd3 to ubi0

[ 1.572684] UBI: MTD device name: "filesystem1"

[ 1.578187] UBI: MTD device size: 40 MiB

[ 1.583185] UBI: number of good PEBs: 320

[ 1.587813] UBI: number of bad PEBs: 0

[ 1.592323] UBI: number of corrupted PEBs: 0

[ 1.596775] UBI: max. allowed volumes: 128

[ 1.601458] UBI: wear-leveling threshold: 4096

[ 1.606169] UBI: number of internal volumes: 1

[ 1.610663] UBI: number of user volumes: 1

[ 1.615113] UBI: available PEBs: 0

[ 1.619557] UBI: total number of reserved PEBs: 320

[ 1.624486] UBI: number of PEBs reserved for bad PEB handling: 2

[ 1.630549] UBI: max/mean erase counter: 1/0

[ 1.634829] UBI: image sequence number: 997000216

[ 1.639661] UBI: background thread "ubi\_bgt0d" started, PID 419

[ 1.647842] spi\_davinci spi\_davinci.0: Controller at 0xfec66000

[ 1.710123] davinci\_mdio davinci\_mdio.0: davinci mdio revision 1.4

[ 1.716333] davinci\_mdio davinci\_mdio.0: detected phy mask fffffffd

[ 1.724221] davinci\_mdio.0: probed

[ 1.727666] davinci\_mdio davinci\_mdio.0: phy[1]: device 0:01, driver unknown

[ 1.736560] i2c /dev entries driver

[ 1.742620] Linux media interface: v0.10

[ 1.747327] Linux video capture interface: v2.00

[ 1.754340] vpbe-osd vpbe-osd: OSD sub device probe success

[ 1.760940] vpbe-venc vpbe-venc: VENC sub device probe success

[ 1.767782] vpbe-v4l2 vpbe-v4l2: vpbe v4l2 device registered

[ 1.773819] Setting default output to Composite

[ 1.778374] Setting default mode to ntsc

[ 1.782584] vpbe-v4l2 vpbe-v4l2: Trying to register VPBE display device.

[ 1.789301] vpbe-v4l2 vpbe-v4l2: layer=c2960c00,layer->video\_dev=c2960ce8

[ 1.797225] vpbe-v4l2 vpbe-v4l2: Trying to register VPBE display device.

[ 1.804181] vpbe-v4l2 vpbe-v4l2: layer=c2960e00,layer->video\_dev=c2960ee8

[ 1.813071] watchdog watchdog: heartbeat 60 sec

[ 1.823738] Error: Driver 'davinci-mcbsp' is already registered, aborting...

[ 1.834015] asoc: cq93vc-hifi <-> davinci-vcif mapping ok

[ 1.843924] ALSA device list:

[ 1.846923] #0: DaVinci DM365 EVM

[ 1.851893] nf\_conntrack version 0.5.0 (701 buckets, 2804 max)

[ 1.859875] ip\_tables: (C) 2000-2006 Netfilter Core Team

[ 1.865708] TCP cubic registered

[ 1.869000] NET: Registered protocol family 17

[ 1.941875] net eth0: attached PHY driver [Generic PHY] (mii\_bus:phy\_addr=0:01, id=181b8b0)

[ 2.010093] Sending DHCP requests .

[ 3.940424] PHY: 0:01 - Link is Up - 100/Full

[ 4.260075] ., OK

[ 4.290125] IP-Config: Got DHCP answer from 0.0.0.0, my address is 192.168.2.102

[ 4.298062] IP-Config: Complete:

[ 4.301220] device=eth0, addr=192.168.2.102, mask=255.255.255.0, gw=192.168.2.1,

[ 4.309013] host=192.168.2.102, domain=, nis-domain=(none),

[ 4.315088] bootserver=0.0.0.0, rootserver=0.0.0.0, rootpath=

[ 4.347894] UBI error: ubi\_io\_read: error -74 (ECC error) while reading 126976 bytes from PEB 3:4096, read 126976 bytes

[ 4.383155] UBI error: ubi\_io\_read: error -74 (ECC error) while reading 126976 bytes from PEB 4:4096, read 126976 bytes

[ 4.395413] UBIFS: recovery needed

[ 4.400381] UBI error: ubi\_io\_read: error -74 (ECC error) while reading 11 bytes from PEB 9:6144, read 11 bytes

[ 4.430841] VFS: Cannot open root device "ubi0:rootfs" or unknown-block(0,0)

[ 4.437909] Please append a correct "root=" boot option; here are the available partitions:

[ 4.446505] 1f00 3072 mtdblock0 (driver?)

[ 4.451701] 1f01 2048 mtdblock1 (driver?)

[ 4.456785] 1f02 4096 mtdblock2 (driver?)

[ 4.461972] 1f03 40960 mtdblock3 (driver?)

[ 4.467053] 1f04 8192 mtdblock4 (driver?)

[ 4.472212] 1f05 40960 mtdblock5 (driver?)

[ 4.477293] 1f06 31744 mtdblock6 (driver?)

[ 4.482436] Kernel panic - not syncing: VFS: Unable to mount root fs on unknown-block(0,0)

[ 4.490755] Backtrace:

[ 4.493221] Function entered at [<c002e518>] from [<c02f4524>]

[ 4.499058] r7:00008000 r6:c2813000 r5:c0024660 r4:c0392be0

[ 4.504815] Function entered at [<c02f450c>] from [<c02f4590>]

[ 4.510703] Function entered at [<c02f4528>] from [<c0008f8c>]

[ 4.516544] r3:00000000 r2:00000000 r1:c2825f78 r0:c0316455

[ 4.522291] Function entered at [<c0008d28>] from [<c00090e4>]

[ 4.528128] Function entered at [<c0009050>] from [<c00084b4>]

[ 4.534011] r5:c0023dfc r4:c03923f8

[ 4.537616] Function entered at [<c00083a4>] from [<c00433cc>]

[ 4.543491] r5:c00083a4 r4:00000000