U-Boot# run net\_boot

failed to read bmcr on phy id 0

Vitesse VSC8601 PHY detected at addr 1

Auto negotiation took 3320 ms

link up on port 1, speed 1000, full duplex

Using cpsw device

TFTP from server 10.0.0.1; our IP address is 10.0.0.22

Filename 'uImage-3.1.0-00046-g5a51b9c-CL'.

Load address: 0x80007fc0

Loading: #################################################################

 #################################################################

 #################################################################

 #################################################################

 #################################################################

 #################################################################

 #################################################################

 #################################################################

 #################################################################

 ########################

done

Bytes transferred = 3115864 (2f8b58 hex)

## Booting kernel from Legacy Image at 80007fc0 ...

 Image Name: Linux-3.1.0-00046-g5a51b9c-dirty

 Image Type: ARM Linux Kernel Image (uncompressed)

 Data Size: 3115800 Bytes = 3 MiB

 Load Address: 80008000

 Entry Point: 80008000

 Verifying Checksum ... OK

 XIP Kernel Image ... OK

OK

Starting kernel ...

Uncompressing Linux... done, booting the kernel.

[ 0.000000] Linux version 3.1.0-00046-g5a51b9c-dirty (iskander@mitydsp) (gcc version 4.5.3 20110311 (prerelease) (GCC) ) #24 We

d Mar 7 14:23:34 EST 2012

[ 0.000000] CPU: ARMv7 Processor [413fc082] revision 2 (ARMv7), cr=10c53c7f

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

[ 0.000000] Machine: mityarm335x

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

[ 0.000000] AM335X ES1.0 (neon )

[ 0.000000] Built 1 zonelists in Zone order, mobility grouping on. Total pages: 65024

[ 0.000000] Kernel command line: console=ttyO0,115200n8 root=/dev/nfs nfsroot=10.0.0.1:/home/likewise-open/SCHICK\_NT/lvolpert/D

ev/3D/MityARM-rootfs\_dev,nolock rw ip=10.0.0.22:10.0.0.1:10.0.0.1:255.255.255.0:devubuntu01::off

[ 0.000000] PID hash table entries: 1024 (order: 0, 4096 bytes)

[ 0.000000] Dentry cache hash table entries: 32768 (order: 5, 131072 bytes)

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

[ 0.000000] Memory: 256MB = 256MB total

[ 0.000000] Memory: 252724k/252724k available, 9420k 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 : 0xffa00000 - 0xffe00000 ( 4 MB)

[ 0.000000] vmalloc : 0xd0800000 - 0xf8000000 ( 632 MB)

[ 0.000000] lowmem : 0xc0000000 - 0xd0000000 ( 256 MB)

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

[ 0.000000] .text : 0xc0008000 - 0xc060f000 (6172 kB)

[ 0.000000] .init : 0xc060f000 - 0xc064a000 ( 236 kB)

[ 0.000000] .data : 0xc064a000 - 0xc06bd038 ( 461 kB)

[ 0.000000] .bss : 0xc06bd05c - 0xc06f7a20 ( 235 kB)

[ 0.000000] NR\_IRQS:396

[ 0.000000] IRQ: Found an INTC at 0xfa200000 (revision 5.0) with 128 interrupts

[ 0.000000] Total of 128 interrupts on 1 active controller

[ 0.000000] OMAP clockevent source: GPTIMER1 at 24000000 Hz

[ 0.000000] OMAP clocksource: GPTIMER2 at 24000000 Hz

[ 0.000000] sched\_clock: 32 bits at 24MHz, resolution 41ns, wraps every 178956ms

[ 0.000000] Console: colour dummy device 80x30

[ 0.000193] Calibrating delay loop... 718.02 BogoMIPS (lpj=3590144)

[ 0.059020] pid\_max: default: 32768 minimum: 301

[ 0.059148] Security Framework initialized

[ 0.059252] Mount-cache hash table entries: 512

[ 0.059618] CPU: Testing write buffer coherency: ok

[ 0.064141] print\_constraints: dummy:

[ 0.064513] NET: Registered protocol family 16

[ 0.064839] GPMC revision 6.0

[ 0.066825] OMAP GPIO hardware version 0.1

[ 0.068955] omap\_l3\_smx omap\_l3\_smx.0: couldn't find resource

[ 0.069725] omap\_mux\_init: Add partition: #1: core, flags: 0

[ 0.072528] omap\_i2c.3: alias fck already exists

[ 0.072812] omap\_i2c.2: alias fck already exists

[ 0.074394] Registering mcspi 1 [2]

[ 0.074436] omap2\_mcspi.1: alias fck already exists

[ 0.074635] Registering mcspi 2 [2]

[ 0.074667] omap2\_mcspi.2: alias fck already exists

[ 0.078147] baseboard\_init [MityARM-335x DevKit]...

[ 0.078461] omap\_hsmmc.0: alias fck already exists

[ 0.080500] Configuring audio...

[ 0.080571] \_omap\_mux\_get\_by\_name: Could not find signal mii1\_refclk.mcasp1\_ahclkx

[ 0.080615] Registering mcasp1

[ 0.080866] omap\_i2c.1: alias fck already exists

[ 0.100427] bio: create slab <bio-0> at 0

[ 0.102393] SCSI subsystem initialized

[ 0.104520] usbcore: registered new interface driver usbfs

[ 0.104852] usbcore: registered new interface driver hub

[ 0.105067] usbcore: registered new device driver usb

[ 0.119172] omap\_i2c omap\_i2c.3: bus 3 rev4.0 at 100 kHz

[ 0.120313] tps65910 3-002d: JTAGREVNUM 0x0

[ 0.121945] print\_constraints: VRTC:

[ 0.122623] print\_constraints: VIO: at 1800 mV

[ 0.124890] print\_constraints: VDD1: 600 <--> 1500 mV at 1262 mV normal

[ 0.126414] print\_constraints: VDD2: at 1137 mV

[ 0.126657] print\_constraints: VDD3: 5000 mV

[ 0.127303] print\_constraints: VDIG1: at 1800 mV

[ 0.127963] print\_constraints: VDIG2: at 1800 mV

[ 0.128622] print\_constraints: VPLL: at 1800 mV

[ 0.129375] print\_constraints: VDAC: at 1800 mV

[ 0.130048] print\_constraints: VAUX1: at 1800 mV

[ 0.130699] print\_constraints: VAUX2: at 3300 mV

[ 0.131362] print\_constraints: VAUX33: at 3300 mV

[ 0.132024] print\_constraints: VMMC: at 3300 mV

[ 0.132488] tps65910 3-002d: No interrupt support, no core IRQ

[ 0.149103] omap\_i2c omap\_i2c.2: bus 2 rev4.0 at 100 kHz

[ 0.169081] omap\_i2c omap\_i2c.1: bus 1 rev4.0 at 100 kHz

[ 0.170156] Advanced Linux Sound Architecture Driver Version 1.0.24.

[ 0.171230] Switching to clocksource gp timer

[ 0.179100] Switched to NOHz mode on CPU #0

[ 0.186528] musb-hdrc: version 6.0, ?dma?, otg (peripheral+host)

[ 0.186720] musb-hdrc musb-hdrc.0: dma type: pio

[ 0.187575] musb-hdrc musb-hdrc.0: USB OTG mode controller at d080a000 using PIO, IRQ 18

[ 0.187761] musb-hdrc musb-hdrc.1: dma type: pio

[ 0.188493] musb-hdrc musb-hdrc.1: USB OTG mode controller at d080c800 using PIO, IRQ 19

[ 0.188894] NET: Registered protocol family 2

[ 0.189084] IP route cache hash table entries: 2048 (order: 1, 8192 bytes)

[ 0.189371] TCP established hash table entries: 8192 (order: 4, 65536 bytes)

[ 0.189529] TCP bind hash table entries: 8192 (order: 3, 32768 bytes)

[ 0.189626] TCP: Hash tables configured (established 8192 bind 8192)

[ 0.189640] TCP reno registered

[ 0.189652] UDP hash table entries: 256 (order: 0, 4096 bytes)

[ 0.189677] UDP-Lite hash table entries: 256 (order: 0, 4096 bytes)

[ 0.189862] NET: Registered protocol family 1

[ 0.190145] RPC: Registered named UNIX socket transport module.

[ 0.190160] RPC: Registered udp transport module.

[ 0.190170] RPC: Registered tcp transport module.

[ 0.190179] RPC: Registered tcp NFSv4.1 backchannel transport module.

[ 0.190394] NetWinder Floating Point Emulator V0.97 (double precision)

[ 0.203023] VFS: Disk quotas dquot\_6.5.2

[ 0.203087] Dquot-cache hash table entries: 1024 (order 0, 4096 bytes)

[ 0.203647] msgmni has been set to 493

[ 0.204383] io scheduler noop registered

[ 0.204397] io scheduler deadline registered

[ 0.204460] io scheduler cfq registered (default)

[ 0.205569] da8xx\_lcdc da8xx\_lcdc.0: GLCD: Found svga\_800x600 panel

[ 0.205600] DA8XX FB - no options passed

[ 0.205609] DA8XX FB - BPP = 16

[ 0.205618] DA8XX FB - BPP = 16 [16 -> 32]

[ 0.205630] DA8XX FB: 800 x 600 16 bpp

[ 0.214469] Console: switching to colour frame buffer device 100x37

[ 0.219383] Serial: 8250/16550 driver, 4 ports, IRQ sharing enabled

[ 0.221120] omap\_uart.0: ttyO0 at MMIO 0x44e09000 (irq = 72) is a OMAP UART0

[ 0.852146] console [ttyO0] enabled

[ 0.856339] omap\_uart.1: ttyO1 at MMIO 0x48022000 (irq = 73) is a OMAP UART1

[ 0.864124] omap\_uart.2: ttyO2 at MMIO 0x48024000 (irq = 74) is a OMAP UART2

[ 0.871833] omap\_uart.3: ttyO3 at MMIO 0x481a6000 (irq = 44) is a OMAP UART3

[ 0.879491] omap\_uart.4: ttyO4 at MMIO 0x481a8000 (irq = 45) is a OMAP UART4

[ 0.887188] omap\_uart.5: ttyO5 at MMIO 0x481aa000 (irq = 46) is a OMAP UART5

[ 0.903629] brd: module loaded

[ 0.911224] loop: module loaded

[ 0.914977] i2c-core: driver [tsl2550] using legacy suspend method

[ 0.921453] i2c-core: driver [tsl2550] using legacy resume method

[ 0.927879] at24 2-0050: 256 byte 24c02 EEPROM, read-only, 0 bytes/write

[ 0.940736] MityARM-335x: Found MAC = 00:00:00:00:00:00

[ 0.946206] MityARM-335x: Part Number = 3359-GX-226-RL

[ 0.954281] m25p80 spi2.0: m25p64-nonjedec (8192 Kbytes)

[ 0.959848] Creating 1 MTD partitions on "spi\_flash":

[ 0.965171] 0x000000000000-0x000000800000 : "NOR User Defined"

[ 0.972924] omap2-nand driver initializing

[ 0.977549] ONFI flash detected

[ 0.980943] ONFI param page 0 valid

[ 0.984629] NAND device: Manufacturer ID: 0x2c, Chip ID: 0xda (Micron MT29F2G08ABAEAWP)

[ 0.992995] Creating 8 MTD partitions on "omap2-nand.0":

[ 0.998540] 0x000000000000-0x000000020000 : "SPL"

[ 1.004909] 0x000000020000-0x000000040000 : "SPL.backup1"

[ 1.011927] 0x000000040000-0x000000060000 : "SPL.backup2"

[ 1.018779] 0x000000060000-0x000000080000 : "SPL.backup3"

[ 1.025674] 0x000000080000-0x000000260000 : "U-Boot"

[ 1.032827] 0x000000260000-0x000000280000 : "U-Boot Env"

[ 1.039589] 0x000000280000-0x000000780000 : "Kernel"

[ 1.048308] 0x000000780000-0x000010000000 : "File System"

[ 1.157539] OneNAND driver initializing

[ 1.211286] davinci\_mdio davinci\_mdio.0: davinci mdio revision 1.6

[ 1.217740] davinci\_mdio davinci\_mdio.0: detected phy mask fffffffd

[ 1.224946] davinci\_mdio.0: probed

[ 1.228495] davinci\_mdio davinci\_mdio.0: phy[1]: device 0:01, driver unknown

[ 1.236020] CAN device driver interface

[ 1.240014] CAN bus driver for Bosch D\_CAN controller 1.0

[ 1.246434] d\_can d\_can.0: d\_can device registered (irq=52, irq\_obj=53)

[ 1.254051] d\_can d\_can.1: d\_can device registered (irq=55, irq\_obj=56)

[ 1.261778] usbcore: registered new interface driver cdc\_ether

[ 1.268009] usbcore: registered new interface driver cdc\_subset

[ 1.274259] Initializing USB Mass Storage driver...

[ 1.279566] usbcore: registered new interface driver usb-storage

[ 1.285848] USB Mass Storage support registered.

[ 1.290718] gadget: using random self ethernet address

[ 1.296185] gadget: using random host ethernet address

[ 1.302161] usb0: MAC c2:71:4f:68:f2:0a

[ 1.306166] usb0: HOST MAC a6:ce:3e:71:c2:17

[ 1.310682] gadget: Ethernet Gadget, version: Memorial Day 2008

[ 1.316980] gadget: g\_ether ready

[ 1.320551] musb-hdrc musb-hdrc.0: MUSB HDRC host driver

[ 1.326192] musb-hdrc musb-hdrc.0: new USB bus registered, assigned bus number 1

[ 1.334025] usb usb1: New USB device found, idVendor=1d6b, idProduct=0002

[ 1.341106] usb usb1: New USB device strings: Mfr=3, Product=2, SerialNumber=1

[ 1.348651] usb usb1: Product: MUSB HDRC host driver

[ 1.353832] usb usb1: Manufacturer: Linux 3.1.0-00046-g5a51b9c-dirty musb-hcd

[ 1.361278] usb usb1: SerialNumber: musb-hdrc.0

[ 1.366862] hub 1-0:1.0: USB hub found

[ 1.370791] hub 1-0:1.0: 1 port detected

[ 1.375590] musb-hdrc musb-hdrc.1: MUSB HDRC host driver

[ 1.381148] musb-hdrc musb-hdrc.1: new USB bus registered, assigned bus number 2

[ 1.388972] usb usb2: New USB device found, idVendor=1d6b, idProduct=0002

[ 1.396068] usb usb2: New USB device strings: Mfr=3, Product=2, SerialNumber=1

[ 1.403605] usb usb2: Product: MUSB HDRC host driver

[ 1.408778] usb usb2: Manufacturer: Linux 3.1.0-00046-g5a51b9c-dirty musb-hcd

[ 1.416222] usb usb2: SerialNumber: musb-hdrc.1

[ 1.421685] hub 2-0:1.0: USB hub found

[ 1.425613] hub 2-0:1.0: 1 port detected

[ 1.430690] mousedev: PS/2 mouse device common for all mice

[ 1.437727] omap\_rtc omap\_rtc: rtc core: registered omap\_rtc as rtc0

[ 1.444427] omap\_rtc: already running

[ 1.448469] i2c /dev entries driver

[ 1.521578] lm75 1-0048: hwmon0: sensor 'lm75'

[ 1.542810] OMAP Watchdog Timer Rev 0x01: initial timeout 60 sec

[ 1.549847] cpuidle: using governor ladder

[ 1.554641] cpuidle: using governor menu

[ 1.562412] usbcore: registered new interface driver usbhid

[ 1.568228] usbhid: USB HID core driver

[ 1.573234] usbcore: registered new interface driver snd-usb-audio

[ 1.602973] tlv320aic26-codec spi1.1: Probing AIC26 SoC CODEC driver

[ 1.621745] asoc: tlv320aic26-hifi <-> davinci-mcasp.1 mapping ok

[ 1.629330] ALSA device list:

[ 1.632469] #0: MityARM-335X DevKit

[ 1.636280] oprofile: hardware counters not available

[ 1.641552] oprofile: using timer interrupt.

[ 1.646025] nf\_conntrack version 0.5.0 (3948 buckets, 15792 max)

[ 1.652819] ip\_tables: (C) 2000-2006 Netfilter Core Team

[ 1.658480] TCP cubic registered

[ 1.661882] NET: Registered protocol family 17

[ 1.666527] can: controller area network core (rev 20090105 abi 8)

[ 1.673065] NET: Registered protocol family 29

[ 1.677742] can: raw protocol (rev 20090105)

[ 1.682206] can: broadcast manager protocol (rev 20090105 t)

[ 1.688141] Registering the dns\_resolver key type

[ 1.693124] VFP support v0.3: implementor 41 architecture 3 part 30 variant c rev 3

[ 1.701118] ThumbEE CPU extension supported.

[ 1.709773] regulator\_init\_complete: VMMC: incomplete constraints, leaving on

[ 1.717744] regulator\_init\_complete: VAUX33: incomplete constraints, leaving on

[ 1.725845] regulator\_init\_complete: VAUX2: incomplete constraints, leaving on

[ 1.733862] regulator\_init\_complete: VAUX1: incomplete constraints, leaving on

[ 1.741872] regulator\_init\_complete: VDAC: incomplete constraints, leaving on

[ 1.749776] regulator\_init\_complete: VPLL: incomplete constraints, leaving on

[ 1.757695] regulator\_init\_complete: VDIG2: incomplete constraints, leaving on

[ 1.765724] regulator\_init\_complete: VDIG1: incomplete constraints, leaving on

[ 1.774200] regulator\_init\_complete: VDD2: incomplete constraints, leaving on

[ 1.782126] regulator\_init\_complete: VIO: incomplete constraints, leaving on

[ 1.789948] regulator\_init\_complete: VRTC: incomplete constraints, leaving on

[ 1.797687] Detected MACID=bc:6a:29:87:7e:b

[ 1.803616] mmc0: new SD card at address aaaa

[ 1.808529] omap\_rtc omap\_rtc: setting system clock to 2011-12-24 12:44:49 UTC (1324730689)

[ 1.818001] mmcblk0: mmc0:aaaa SU02G 1.84 GiB

[ 1.825183] PHY 0:00 not found

[ 1.828648]

[ 1.828651] CPSW phy found : id is : 0x70421

[ 1.838143] mmcblk0: p1 p2 p3

[ 3.822204] PHY: 0:01 - Link is Up - 1000/Full

[ 3.851286] Sending DHCP and RARP requests ....