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abel@Abel:~$ sudo dmesg -c
[sudo] password for abel:
[ 0.000000] Initializing cgroup subsys cpuset
[ 0.000000] Initializing cgroup subsys cpu
[ 0.000000] Linux version 3.4-9-rtai-686-pae (Debian 3.4.55-4linuxcnc) () (gcc version 4.6.3
(Debian 4.6.3-14) ) #1 SMP PREEMPT Debian 3.4.55-4linuxcnc
[ 0.000000] BIOS-provided physical RAM map:
[ 0.000000] BIOS-e820: 0000000000000000 - 00000000000009f000 (usable)
[ 0.000000] BIOS-e820: 00000000000009f000 - 000000000000a0000 (reserved)
[ 0.000000] BIOS-e820: 000000000000e4000 - 00000000000100000 (reserved)
[ 0.000000] BIOS-e820: 00000000000100000 - 000000000cfe90000 (usable)
[ 0.000000] BIOS-e820: 000000000cfe90000 - 000000000cfea8000 (ACPI data)
[ 0.000000] BIOS-e820: 000000000cfea8000 - 000000000cfed0000 (ACPI NVS)
[ 0.000000] BIOS-e820: 000000000cfed0000 - 000000000cff00000 (reserved)
[ 0.000000] BIOS-e820: 000000000cff00000 - 00000000100000000 (reserved)
[ 0.000000] BIOS-e820: 00000000100000000 - 00000000120000000 (usable)
[ 0.000000] Notice: NX (Execute Disable) protection cannot be enabled: non-PAE kernel!
[ 0.000000] SMBIOS 2.5 present.
[ 0.000000] DMI: System manufacturer System Product Name/M4A78LT-M, BIOS 0802
08/24/2010
[ 0.000000] e820 update range: 0000000000000000 - 0000000000010000 (usable) ==> (reserved)
[ 0.000000] e820 remove range: 000000000000a0000 - 00000000000100000 (usable)
[ 0.000000] last_pfn = 0xcfe90 max_arch_pfn = 0x100000
[ 0.000000] MTRR default type: uncachable
[ 0.000000] MTRR fixed ranges enabled:
[ 0.000000] 00000-9FFFF write-back
[ 0.000000] A0000-EFFFF uncachable
[ 0.000000] F0000-FFFFFF write-protect
[ 0.000000] MTRR variable ranges enabled:
[ 0.000000] 0 base 000000000000 mask FFFF80000000 write-back
[ 0.000000] 1 base 000080000000 mask FFFFC0000000 write-back
[ 0.000000] 2 base 0000C0000000 mask FFFFF0000000 write-back
[ 0.000000] 3 disabled
[ 0.000000] 4 disabled
[ 0.000000] 5 disabled
[ 0.000000] 6 disabled
[ 0.000000] 7 disabled
[ 0.000000] TOM2: 00000000130000000 aka 4864M
[ 0.000000] x86 PAT enabled: cpu 0, old 0x7040600070406, new 0x7010600070106
[ 0.000000] e820 update range: 00000000d0000000 - 0000000100000000 (usable) ==> (reserved)
[ 0.000000] found SMP MP-table at [c00ff780] ff780
[ 0.000000] initial memory mapped : 0 - 01800000
[ 0.000000] Base memory trampoline at [c009b000] 9b000 size 16384
[ 0.000000] init_memory_mapping: 0000000000000000-00000000377fe000
[ 0.000000] 000000000000 - 0000400000 page 4k
[ 0.000000] 0000400000 - 0037400000 page 2M
[ 0.000000] 0037400000 - 00377fe000 page 4k
[ 0.000000] kernel direct mapping tables up to 0x377fdfff @ [mem 0x017f8000-0x017fffff]
[ 0.000000] RAMDISK: 3652c000 - 3728e000
[ 0.000000] ACPI: RSDP 000fb470 00024 (v02 ACPIAM)
[ 0.000000] ACPI: XSDT cfe90100 0005C (v01 082410 XSDT1744 20100824 MSFT 00000097)
[ 0.000000] ACPI: FACP cfe90290 000F4 (v03 082410 FACP1744 20100824 MSFT 00000097)

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[ 0.000000] ACPI Warning: Optional field Pm2ControlBlock has zero address or length:  
0x0000000000000000/0x1 (20120320/tbfadt-579)

[ 0.000000] ACPI: DSDT cfe90450 0D9D3 (v01 A1501 A1501001 00000001 INTL 20060113)

[ 0.000000] ACPI: FACS cfea8000 00040

[ 0.000000] ACPI: APIC cfe90390 0007C (v01 082410 APIC1744 20100824 MSFT 00000097)

[ 0.000000] ACPI: MCFG cfe90410 0003C (v01 082410 OEMMCFG 20100824 MSFT  
00000097)

[ 0.000000] ACPI: OEMB cfea8040 00072 (v01 082410 OEMB1744 20100824 MSFT 00000097)

[ 0.000000] ACPI: SRAT cfe9f450 000C8 (v01 AMD FAM\_F\_10 00000002 AMD 00000001)

[ 0.000000] ACPI: HPET cfe9f520 00038 (v01 082410 OEMHPET 20100824 MSFT 00000097)

[ 0.000000] ACPI: SSDT cfe9f560 00458 (v01 A M I POWERNOW 00000001 AMD 00000001)

[ 0.000000] ACPI: Local APIC address 0xfe00000

[ 0.000000] 2438MB HIGHMEM available.

[ 0.000000] 887MB LOWMEM available.

[ 0.000000] mapped low ram: 0 - 377fe000

[ 0.000000] low ram: 0 - 377fe000

[ 0.000000] Zone PFN ranges:

[ 0.000000] DMA 0x00000010 -> 0x00001000

[ 0.000000] Normal 0x00001000 -> 0x000377fe

[ 0.000000] HighMem 0x000377fe -> 0x000cfe90

[ 0.000000] Movable zone start PFN for each node

[ 0.000000] Early memory PFN ranges

[ 0.000000] 0: 0x00000010 -> 0x0000009f

[ 0.000000] 0: 0x00000100 -> 0x000cfe90

[ 0.000000] On node 0 totalpages: 851487

[ 0.000000] free\_area\_init\_node: node 0, pgdat c1498a00, node\_mem\_map f4b2c200

[ 0.000000] DMA zone: 32 pages used for memmap

[ 0.000000] DMA zone: 0 pages reserved

[ 0.000000] DMA zone: 3951 pages, LIFO batch:0

[ 0.000000] Normal zone: 1744 pages used for memmap

[ 0.000000] Normal zone: 221486 pages, LIFO batch:31

[ 0.000000] HighMem zone: 4878 pages used for memmap

[ 0.000000] HighMem zone: 619396 pages, LIFO batch:31

[ 0.000000] Using APIC driver default

[ 0.000000] ACPI: PM-Timer IO Port: 0x808

[ 0.000000] ACPI: Local APIC address 0xfe00000

[ 0.000000] ACPI: LAPIC (acpi\_id[0x01] lapic\_id[0x00] enabled)

[ 0.000000] ACPI: LAPIC (acpi\_id[0x02] lapic\_id[0x01] enabled)

[ 0.000000] ACPI: LAPIC (acpi\_id[0x03] lapic\_id[0x82] disabled)

[ 0.000000] ACPI: LAPIC (acpi\_id[0x04] lapic\_id[0x83] disabled)

[ 0.000000] ACPI: LAPIC (acpi\_id[0x05] lapic\_id[0x84] disabled)

[ 0.000000] ACPI: LAPIC (acpi\_id[0x06] lapic\_id[0x85] disabled)

[ 0.000000] ACPI: IOAPIC (id[0x02] address[0xfec00000] gsi\_base[0])

[ 0.000000] IOAPIC[0]: apic\_id 2, version 33, address 0xfec00000, GSI 0-23

[ 0.000000] ACPI: INT\_SRC\_OVR (bus 0 bus\_irq 0 global\_irq 2 dfl dfl)

[ 0.000000] ACPI: INT\_SRC\_OVR (bus 0 bus\_irq 9 global\_irq 9 low level)

[ 0.000000] ACPI: IRQ0 used by override.

[ 0.000000] ACPI: IRQ2 used by override.

[ 0.000000] ACPI: IRQ9 used by override.

[ 0.000000] Using ACPI (MADT) for SMP configuration information

[ 0.000000] ACPI: HPET id: 0x8300 base: 0xfed00000

[ 0.000000] SMP: Allowing 6 CPUs, 4 hotplug CPUs

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[ 0.000000] nr_irqs_gsi: 40
[ 0.000000] PM: Registered nosave memory: 000000000009f000 - 00000000000a0000
[ 0.000000] PM: Registered nosave memory: 00000000000a0000 - 00000000000e4000
[ 0.000000] PM: Registered nosave memory: 00000000000e4000 - 0000000000100000
[ 0.000000] Allocating PCI resources starting at cff00000 (gap: cff00000:30000000)
[ 0.000000] setup_percpu: NR_CPUS:8 nr_cpumask_bits:8 nr_cpu_ids:6 nr_node_ids:1
[ 0.000000] PERCPU: Embedded 17 pages/cpu @f7785000 s48384 r0 d21248 u69632
[ 0.000000] pcpu-alloc: s48384 r0 d21248 u69632 alloc=17*4096
[ 0.000000] pcpu-alloc: [0] 0 [0] 1 [0] 2 [0] 3 [0] 4 [0] 5
[ 0.000000] Built 1 zonelists in Zone order, mobility grouping on. Total pages: 844833
[ 0.000000] Kernel command line: BOOT_IMAGE=/boot/vmlinuz-3.4-9-rtai-686-pae
root=UUID=fbca1508-26aa-43f6-8023-7894c8e8ea85 ro initrd=/install/gtk/initrd.gz lapic quiet
rootdelay=5
[ 0.000000] PID hash table entries: 4096 (order: 2, 16384 bytes)
[ 0.000000] Dentry cache hash table entries: 131072 (order: 7, 524288 bytes)
[ 0.000000] Inode-cache hash table entries: 65536 (order: 6, 262144 bytes)
[ 0.000000] Initializing CPU#0
[ 0.000000] allocated 6812672 bytes of page_cgroup
[ 0.000000] please try 'cgroup_disable=memory' option if you don't want memory cgroups
[ 0.000000] Initializing HighMem for node 0 (000377fe:000cfe90)
[ 0.000000] Memory: 3351820k/3406400k available (3495k kernel code, 54128k reserved, 1237k
data, 416k init, 2497096k highmem)
[ 0.000000] virtual kernel memory layout:
[ 0.000000]   fixmap : 0xffff17000 - 0xfffff0000 ( 928 kB)
[ 0.000000]   pkmap : 0xff8000000 - 0xffc000000 (4096 kB)
[ 0.000000]   vmalloc : 0xf7ffe000 - 0xff7fe000 ( 120 MB)
[ 0.000000]   lowmem : 0xc0000000 - 0xf77fe000 ( 887 MB)
[ 0.000000]   .init : 0xc14a0000 - 0xc1508000 ( 416 kB)
[ 0.000000]   .data : 0xc1369d4a - 0xc149f480 (1237 kB)
[ 0.000000]   .text : 0xc1000000 - 0xc1369d4a (3495 kB)
[ 0.000000] Checking if this processor honours the WP bit even in supervisor mode...Ok.
[ 0.000000] Preemptible hierarchical RCU implementation.
[ 0.000000] RCU dyntick-idle grace-period acceleration is enabled.
[ 0.000000] NR_IRQS:2304 nr_irqs:728 16
[ 0.000000] CPU 0 irqstacks, hard=f4006000 soft=f4008000
[ 0.000000] Extended CMOS year: 2000
[ 0.000000] Interrupt pipeline (release #3)
[ 0.000000] spurious 8259A interrupt: IRQ7.
[ 0.000000] Console: colour VGA+ 80x25
[ 0.000000] console [tty0] enabled
[ 0.000000] hpet clockevent registered
[ 0.000000] Fast TSC calibration using PIT
[ 0.004000] Detected 3214.524 MHz processor.
[ 0.000002] Calibrating delay loop (skipped), value calculated using timer frequency.. 6429.04
BogoMIPS (lpj=12858096)
[ 0.000005] pid_max: default: 32768 minimum: 301
[ 0.000036] Security Framework initialized
[ 0.000039] AppArmor: AppArmor disabled by boot time parameter
[ 0.000052] Mount-cache hash table entries: 512
[ 0.000177] Initializing cgroup subsys cpuacct
[ 0.000178] Initializing cgroup subsys memory
[ 0.000183] Initializing cgroup subsys devices
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[ 0.000185] Initializing cgroup subsys freezer
[ 0.000186] Initializing cgroup subsys net_cls
[ 0.000187] Initializing cgroup subsys blkio
[ 0.000191] Initializing cgroup subsys perf_event
[ 0.000208] CPU: Physical Processor ID: 0
[ 0.000209] CPU: Processor Core ID: 0
[ 0.000211] mce: CPU supports 6 MCE banks
[ 0.000215] LVT offset 0 assigned for vector 0xf9
[ 0.000261] ACPI: Core revision 20120320
[ 0.010517] Enabling APIC mode: Flat. Using 1 I/O APICs
[ 0.010855] ..TIMER: vector=0x30 apic1=0 pin1=2 apic2=-1 pin2=-1
[ 0.050471] CPU0: AMD Athlon(tm) II X2 260 Processor stepping 03
[ 0.154895] Performance Events: AMD PMU driver.
[ 0.154898] ... version:          0
[ 0.154900] ... bit width:          48
[ 0.154901] ... generic registers:    4
[ 0.154902] ... value mask:          0000fffffffffff
[ 0.154903] ... max period:          00007fffffffffff
[ 0.154905] ... fixed-purpose events: 0
[ 0.154906] ... event mask:          000000000000000f
[ 0.166914] NMI watchdog: enabled, takes one hw-pmu counter.
[ 0.178900] CPU 1 irqstacks, hard=f4094000 soft=f4096000
[ 0.178902] Booting Node 0, Processors #1
[ 0.188870] Initializing CPU#1
[ 0.191930] NMI watchdog: enabled, takes one hw-pmu counter.
[ 0.191953] Brought up 2 CPUs
[ 0.191955] Total of 2 processors activated (12858.09 BogoMIPS).
[ 0.192459] devtmpfs: initialized
[ 0.192661] PM: Registering ACPI NVS region [mem 0xcfea8000-0xcfecffff] (163840 bytes)
[ 0.192764] dummy:
[ 0.192813] NET: Registered protocol family 16
[ 0.192869] node 0 link 0: io port [1000, fffff]
[ 0.192872] TOM: 00000000d0000000 aka 3328M
[ 0.192874] Fam 10h mmconf [mem 0xe0000000-0xefffffff]
[ 0.192876] node 0 link 0: mmio [a0000, bffff]
[ 0.192880] node 0 link 0: mmio [d0000000, efffffff] ==> [d0000000, dfffffff]
[ 0.192883] node 0 link 0: mmio [f0000000, fe8ffff]
[ 0.192885] node 0 link 0: mmio [fe900000, feafffff]
[ 0.192887] node 0 link 0: mmio [feb00000, ffeffff]
[ 0.192889] TOM2: 0000000013000000 aka 4864M
[ 0.192890] bus: [00, 07] on node 0 link 0
[ 0.192892] bus: 00 index 0 [io 0x0000-0xffff]
[ 0.192894] bus: 00 index 1 [mem 0x000a0000-0x000bffff]
[ 0.192895] bus: 00 index 2 [mem 0xd0000000-0xdfffffff]
[ 0.192897] bus: 00 index 3 [mem 0xf0000000-0xffffffff]
[ 0.192924] ACPI: bus type pci registered
[ 0.192963] PCI: MMCONFIG for domain 0000 [bus 00-ff] at [mem 0xe0000000-0xefffffff] (base 0xe0000000)
[ 0.192965] PCI: not using MMCONFIG
[ 0.193625] PCI: PCI BIOS revision 3.00 entry at 0xf0031, last bus=3
[ 0.193627] PCI: Using configuration type 1 for base access
[ 0.193628] PCI: Using configuration type 1 for extended access
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[ 0.194066] bio: create slab <bio-0> at 0
[ 0.194157] ACPI: Added _OSI(Module Device)
[ 0.194161] ACPI: Added _OSI(Processor Device)
[ 0.194162] ACPI: Added _OSI(3.0 _SCP Extensions)
[ 0.194164] ACPI: Added _OSI(Processor Aggregator Device)
[ 0.195279] ACPI: EC: Look up EC in DSDT
[ 0.197362] ACPI: Executed 3 blocks of module-level executable AML code
[ 0.235408] ACPI: Interpreter enabled
[ 0.235416] ACPI: (supports S0 S1 S3 S4 S5)
[ 0.235436] ACPI: Using IOAPIC for interrupt routing
[ 0.235455] PCI: MMCONFIG for domain 0000 [bus 00-ff] at [mem 0xe0000000-0xffffffff] (base 0xe0000000)
[ 0.236836] PCI: MMCONFIG at [mem 0xe0000000-0xffffffff] reserved in ACPI motherboard resources
[ 0.236838] PCI: Using MMCONFIG for extended config space
[ 0.242046] ACPI: No dock devices found.
[ 0.242051] PCI: Using host bridge windows from ACPI; if necessary, use "pci=nocrs" and report a bug
[ 0.242119] ACPI: PCI Root Bridge [PCI0] (domain 0000 [bus 00-ff])
[ 0.242221] pci_root PNP0A03:00: host bridge window [io 0x0000-0x0cf7]
[ 0.242223] pci_root PNP0A03:00: host bridge window [io 0xd00-0xffff]
[ 0.242225] pci_root PNP0A03:00: host bridge window [mem 0x000a0000-0x000bffff]
[ 0.242227] pci_root PNP0A03:00: host bridge window [mem 0x000d0000-0x000dffff]
[ 0.242229] pci_root PNP0A03:00: host bridge window [mem 0xcff00000-0xdfffffff]
[ 0.242231] pci_root PNP0A03:00: host bridge window [mem 0xf0000000-0xfebfffff]
[ 0.242255] PCI host bridge to bus 0000:00
[ 0.242257] pci_bus 0000:00: root bus resource [io 0x0000-0x0cf7]
[ 0.242259] pci_bus 0000:00: root bus resource [io 0xd00-0xffff]
[ 0.242261] pci_bus 0000:00: root bus resource [mem 0x000a0000-0x000bffff]
[ 0.242263] pci_bus 0000:00: root bus resource [mem 0x000d0000-0x000dffff]
[ 0.242265] pci_bus 0000:00: root bus resource [mem 0xcff00000-0xdfffffff]
[ 0.242266] pci_bus 0000:00: root bus resource [mem 0xf0000000-0xfebfffff]
[ 0.242278] pci 0000:00:00.0: [1022:9600] type 00 class 0x060000
[ 0.242316] pci 0000:00:01.0: [1043:9602] type 01 class 0x060400
[ 0.242353] pci 0000:00:0a.0: [1022:9609] type 01 class 0x060400
[ 0.242377] pci 0000:00:0a.0: PME# supported from D0 D3hot D3cold
[ 0.242403] pci 0000:00:11.0: [1002:4390] type 00 class 0x01018f
[ 0.242422] pci 0000:00:11.0: reg 10: [io 0xc000-0xc007]
[ 0.242432] pci 0000:00:11.0: reg 14: [io 0xb000-0xb003]
[ 0.242441] pci 0000:00:11.0: reg 18: [io 0xa000-0xa007]
[ 0.242450] pci 0000:00:11.0: reg 1c: [io 0x9000-0x9003]
[ 0.242460] pci 0000:00:11.0: reg 20: [io 0x8000-0x800f]
[ 0.242469] pci 0000:00:11.0: reg 24: [mem 0xfe8ffc00-0xfe8fffff]
[ 0.242489] pci 0000:00:11.0: set SATA to AHCI mode
[ 0.242521] pci 0000:00:12.0: [1002:4397] type 00 class 0x0c0310
[ 0.242534] pci 0000:00:12.0: reg 10: [mem 0xfe8fe000-0xfe8fefff]
[ 0.242595] pci 0000:00:12.1: [1002:4398] type 00 class 0x0c0310
[ 0.242608] pci 0000:00:12.1: reg 10: [mem 0xfe8fd000-0xfe8fdfff]
[ 0.242674] pci 0000:00:12.2: [1002:4396] type 00 class 0x0c0320
[ 0.242693] pci 0000:00:12.2: reg 10: [mem 0xfe8ff800-0xfe8ff8ff]
[ 0.242771] pci 0000:00:12.2: supports D1 D2
[ 0.242773] pci 0000:00:12.2: PME# supported from D0 D1 D2 D3hot

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[ 0.242796] pci 0000:00:13.0: [1002:4397] type 00 class 0x0c0310  
[ 0.242809] pci 0000:00:13.0: reg 10: [mem 0xfe8fc000-0xfe8fcfff]  
[ 0.242870] pci 0000:00:13.1: [1002:4398] type 00 class 0x0c0310  
[ 0.242883] pci 0000:00:13.1: reg 10: [mem 0xfe8fb000-0xfe8fbfff]  
[ 0.242950] pci 0000:00:13.2: [1002:4396] type 00 class 0x0c0320  
[ 0.242968] pci 0000:00:13.2: reg 10: [mem 0xfe8ff400-0xfe8ff4ff]  
[ 0.243036] pci 0000:00:13.2: supports D1 D2  
[ 0.243038] pci 0000:00:13.2: PME# supported from D0 D1 D2 D3hot  
[ 0.243063] pci 0000:00:14.0: [1002:4385] type 00 class 0x0c0500  
[ 0.243152] pci 0000:00:14.1: [1002:439c] type 00 class 0x01018a  
[ 0.243167] pci 0000:00:14.1: reg 10: [io 0x0000-0x0007]  
[ 0.243177] pci 0000:00:14.1: reg 14: [io 0x0000-0x0003]  
[ 0.243186] pci 0000:00:14.1: reg 18: [io 0x0000-0x0007]  
[ 0.243195] pci 0000:00:14.1: reg 1c: [io 0x0000-0x0003]  
[ 0.243204] pci 0000:00:14.1: reg 20: [io 0xff00-0xff0f]  
[ 0.243251] pci 0000:00:14.2: [1002:4383] type 00 class 0x040300  
[ 0.243272] pci 0000:00:14.2: reg 10: [mem 0xfe8f4000-0xfe8f7fff 64bit]  
[ 0.243328] pci 0000:00:14.2: PME# supported from D0 D3hot D3cold  
[ 0.243343] pci 0000:00:14.3: [1002:439d] type 00 class 0x060100  
[ 0.243414] pci 0000:00:14.4: [1002:4384] type 01 class 0x060401  
[ 0.243454] pci 0000:00:14.5: [1002:4399] type 00 class 0x0c0310  
[ 0.243467] pci 0000:00:14.5: reg 10: [mem 0xfe8fa000-0xfe8fafff]  
[ 0.243530] pci 0000:00:18.0: [1022:1200] type 00 class 0x060000  
[ 0.243545] pci 0000:00:18.1: [1022:1201] type 00 class 0x060000  
[ 0.243557] pci 0000:00:18.2: [1022:1202] type 00 class 0x060000  
[ 0.243569] pci 0000:00:18.3: [1022:1203] type 00 class 0x060000  
[ 0.243583] pci 0000:00:18.4: [1022:1204] type 00 class 0x060000  
[ 0.243623] pci 0000:01:05.0: [1002:9616] type 00 class 0x030000  
[ 0.243631] pci 0000:01:05.0: reg 10: [mem 0xd0000000-0xdfffffff pref]  
[ 0.243636] pci 0000:01:05.0: reg 14: [io 0xd000-0xd0ff]  
[ 0.243640] pci 0000:01:05.0: reg 18: [mem 0xfeaf0000-0xfeafffff]  
[ 0.243649] pci 0000:01:05.0: reg 24: [mem 0xfe900000-0xfe9fffff]  
[ 0.243661] pci 0000:01:05.0: supports D1 D2  
[ 0.243670] pci 0000:01:05.1: [1002:960f] type 00 class 0x040300  
[ 0.243677] pci 0000:01:05.1: reg 10: [mem 0xfeae8000-0xfeaebfff]  
[ 0.243702] pci 0000:01:05.1: supports D1 D2  
[ 0.243737] pci 0000:00:01.0: PCI bridge to [bus 01-01]  
[ 0.243740] pci 0000:00:01.0: bridge window [io 0xd000-0xdfff]  
[ 0.243743] pci 0000:00:01.0: bridge window [mem 0xfe900000-0xfeafffff]  
[ 0.243746] pci 0000:00:01.0: bridge window [mem 0xd0000000-0xdfffffff 64bit pref]  
[ 0.243781] pci 0000:02:00.0: [10ec:8168] type 00 class 0x020000  
[ 0.243793] pci 0000:02:00.0: reg 10: [io 0xe800-0xe8ff]  
[ 0.243813] pci 0000:02:00.0: reg 18: [mem 0xfdfff000-0xfdffffff 64bit pref]  
[ 0.243826] pci 0000:02:00.0: reg 20: [mem 0xfdff8000-0xfdffbfff 64bit pref]  
[ 0.243835] pci 0000:02:00.0: reg 30: [mem 0xfebf0000-0xfebfffff pref]  
[ 0.243863] pci 0000:02:00.0: supports D1 D2  
[ 0.243865] pci 0000:02:00.0: PME# supported from D0 D1 D2 D3hot D3cold  
[ 0.250759] pci 0000:00:0a.0: PCI bridge to [bus 02-02]  
[ 0.250765] pci 0000:00:0a.0: bridge window [io 0xe000-0xefff]  
[ 0.250768] pci 0000:00:0a.0: bridge window [mem 0xfeb00000-0xfebfffff]  
[ 0.250771] pci 0000:00:0a.0: bridge window [mem 0xfdff0000-0xfdffffff 64bit pref]  
[ 0.250833] pci 0000:00:14.4: PCI bridge to [bus 03-03] (subtractive decode)

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[ 0.250842] pci 0000:00:14.4: bridge window [io 0x0000-0x0cf7] (subtractive decode)
[ 0.250844] pci 0000:00:14.4: bridge window [io 0x0d00-0xffff] (subtractive decode)
[ 0.250846] pci 0000:00:14.4: bridge window [mem 0x000a0000-0x000bffff] (subtractive
decode)
[ 0.250848] pci 0000:00:14.4: bridge window [mem 0x000d0000-0x000dffff] (subtractive
decode)
[ 0.250850] pci 0000:00:14.4: bridge window [mem 0xcff00000-0xdfffffff] (subtractive decode)
[ 0.250851] pci 0000:00:14.4: bridge window [mem 0xf0000000-0xfebfffff] (subtractive decode)
[ 0.250862] pci_bus 0000:00: on NUMA node 0
[ 0.250867] ACPI: PCI Interrupt Routing Table [_SB_.PCI0._PRT]
[ 0.251080] ACPI: PCI Interrupt Routing Table [_SB_.PCI0.P0P1._PRT]
[ 0.251119] ACPI: PCI Interrupt Routing Table [_SB_.PCI0.PCEA._PRT]
[ 0.251157] ACPI: PCI Interrupt Routing Table [_SB_.PCI0.P0PC._PRT]
[ 0.251216] pci0000:00: Unable to request _OSC control (_OSC support mask: 0x0f)
[ 0.255168] ACPI: PCI Interrupt Link [LNKA] (IRQs 4 7 *10 11 12 14 15)
[ 0.255202] ACPI: PCI Interrupt Link [LNKB] (IRQs 4 7 10 *11 12 14 15)
[ 0.255233] ACPI: PCI Interrupt Link [LNKC] (IRQs 4 7 *10 11 12 14 15)
[ 0.255263] ACPI: PCI Interrupt Link [LNKD] (IRQs 4 7 *10 11 12 14 15)
[ 0.255293] ACPI: PCI Interrupt Link [LNKE] (IRQs 4 7 10 11 12 14 15) *0, disabled.
[ 0.255324] ACPI: PCI Interrupt Link [LNKF] (IRQs 4 7 10 11 12 14 15) *0, disabled.
[ 0.255355] ACPI: PCI Interrupt Link [LNKG] (IRQs 4 7 10 *11 12 14 15)
[ 0.255385] ACPI: PCI Interrupt Link [LNKH] (IRQs 4 7 10 11 12 14 15) *0, disabled.
[ 0.255476] vgaarb: device added:
PCI:0000:01:05.0,decodes=io+mem,owns=io+mem,locks=none
[ 0.255478] vgaarb: loaded
[ 0.255479] vgaarb: bridge control possible 0000:01:05.0
[ 0.255499] PCI: Using ACPI for IRQ routing
[ 0.255502] PCI: pci_cache_line_size set to 64 bytes
[ 0.255566] reserve RAM buffer: 000000000009f000 - 000000000009ffff
[ 0.255568] reserve RAM buffer: 00000000cfe90000 - 00000000cfffffff
[ 0.255666] hpet0: at MMIO 0xfed00000, IRQs 2, 8, 0, 0
[ 0.255670] hpet0: 4 comparators, 32-bit 14.318180 MHz counter
[ 0.257699] Switching to clocksource hpet
[ 0.257762] pnp: PnP ACPI init
[ 0.257769] ACPI: bus type pnp registered
[ 0.257837] pnp 00:00: [bus 00-ff]
[ 0.257839] pnp 00:00: [io 0x0cf8-0x0cff]
[ 0.257841] pnp 00:00: [io 0x0000-0x0cf7 window]
[ 0.257843] pnp 00:00: [io 0x0d00-0xffff window]
[ 0.257844] pnp 00:00: [mem 0x000a0000-0x000bffff window]
[ 0.257846] pnp 00:00: [mem 0x000d0000-0x000dffff window]
[ 0.257848] pnp 00:00: [mem 0xcff00000-0xdfffffff window]
[ 0.257850] pnp 00:00: [mem 0xf0000000-0xfebfffff window]
[ 0.257879] pnp 00:00: Plug and Play ACPI device, IDs PNP0a03 (active)
[ 0.257938] pnp 00:01: [mem 0x00000000-0xffffffff disabled]
[ 0.257940] pnp 00:01: [mem 0x00000000-0xffffffff disabled]
[ 0.257969] system 00:01: Plug and Play ACPI device, IDs PNP0c02 (active)
[ 0.258002] pnp 00:02: [dma 4]
[ 0.258004] pnp 00:02: [io 0x0000-0x000f]
[ 0.258006] pnp 00:02: [io 0x0081-0x0083]
[ 0.258007] pnp 00:02: [io 0x0087]
[ 0.258009] pnp 00:02: [io 0x0089-0x008b]

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[ 0.258010] pnp 00:02: [io 0x008f]  
[ 0.258011] pnp 00:02: [io 0x00c0-0x00df]  
[ 0.258031] pnp 00:02: Plug and Play ACPI device, IDs PNP0200 (active)  
[ 0.258039] pnp 00:03: [io 0x0070-0x0071]  
[ 0.258047] pnp 00:03: [irq 8]  
[ 0.258067] pnp 00:03: Plug and Play ACPI device, IDs PNP0b00 (active)  
[ 0.258073] pnp 00:04: [io 0x0061]  
[ 0.258092] pnp 00:04: Plug and Play ACPI device, IDs PNP0800 (active)  
[ 0.258099] pnp 00:05: [io 0x00f0-0x00ff]  
[ 0.258103] pnp 00:05: [irq 13]  
[ 0.258122] pnp 00:05: Plug and Play ACPI device, IDs PNP0c04 (active)  
[ 0.258757] pnp 00:06: [io 0x0378-0x037f]  
[ 0.258760] pnp 00:06: [irq 7]  
[ 0.258762] pnp 00:06: [dma 0 disabled]  
[ 0.258987] pnp 00:06: Plug and Play ACPI device, IDs PNP0400 (active)  
[ 0.259014] pnp 00:07: [mem 0xfed00000-0xfed003ff]  
[ 0.259035] pnp 00:07: Plug and Play ACPI device, IDs PNP0103 (active)  
[ 0.259487] pnp 00:08: [io 0x03f8-0x03ff]  
[ 0.259491] pnp 00:08: [irq 4]  
[ 0.259492] pnp 00:08: [dma 0 disabled]  
[ 0.259556] pnp 00:08: Plug and Play ACPI device, IDs PNP0501 (active)  
[ 0.259613] pnp 00:09: [io 0x0060]  
[ 0.259615] pnp 00:09: [io 0x0064]  
[ 0.259616] pnp 00:09: [mem 0xfec00000-0xfec00fff]  
[ 0.259618] pnp 00:09: [mem 0xfee00000-0xfee00fff]  
[ 0.259653] system 00:09: [mem 0xfec00000-0xfec00fff] could not be reserved  
[ 0.259655] system 00:09: [mem 0xfee00000-0xfee00fff] has been reserved  
[ 0.259658] system 00:09: Plug and Play ACPI device, IDs PNP0c02 (active)  
[ 0.259778] pnp 00:0a: [io 0x0010-0x001f]  
[ 0.259780] pnp 00:0a: [io 0x0022-0x003f]  
[ 0.259781] pnp 00:0a: [io 0x0062-0x0063]  
[ 0.259783] pnp 00:0a: [io 0x0065-0x006f]  
[ 0.259784] pnp 00:0a: [io 0x0072-0x007f]  
[ 0.259786] pnp 00:0a: [io 0x0080]  
[ 0.259789] pnp 00:0a: [io 0x0084-0x0086]  
[ 0.259791] pnp 00:0a: [io 0x0088]  
[ 0.259792] pnp 00:0a: [io 0x008c-0x008e]  
[ 0.259794] pnp 00:0a: [io 0x0090-0x009f]  
[ 0.259795] pnp 00:0a: [io 0x00a2-0x00bf]  
[ 0.259796] pnp 00:0a: [io 0x00b1]  
[ 0.259798] pnp 00:0a: [io 0x00e0-0x00ef]  
[ 0.259799] pnp 00:0a: [io 0x04d0-0x04d1]  
[ 0.259801] pnp 00:0a: [io 0x040b]  
[ 0.259802] pnp 00:0a: [io 0x04d6]  
[ 0.259804] pnp 00:0a: [io 0x0c00-0x0c01]  
[ 0.259805] pnp 00:0a: [io 0x0c14]  
[ 0.259807] pnp 00:0a: [io 0x0c50-0x0c51]  
[ 0.259808] pnp 00:0a: [io 0x0c52]  
[ 0.259810] pnp 00:0a: [io 0x0c6c]  
[ 0.259811] pnp 00:0a: [io 0x0c6f]  
[ 0.259812] pnp 00:0a: [io 0x0cd0-0x0cd1]  
[ 0.259814] pnp 00:0a: [io 0x0cd2-0x0cd3]



[ 0.259816] pnp 00:0a: [io 0xcd4-0xcd5]  
[ 0.259817] pnp 00:0a: [io 0xcd6-0xcd7]  
[ 0.259818] pnp 00:0a: [io 0xcd8-0xcdf]  
[ 0.259820] pnp 00:0a: [io 0xb00-0xb3f]  
[ 0.259821] pnp 00:0a: [io 0x800-0x89f]  
[ 0.259823] pnp 00:0a: [io 0x0000-0xffffffff disabled]  
[ 0.259825] pnp 00:0a: [io 0xb00-0xb0f]  
[ 0.259826] pnp 00:0a: [io 0xb20-0xb3f]  
[ 0.259828] pnp 00:0a: [io 0x900-0x90f]  
[ 0.259829] pnp 00:0a: [io 0x910-0x91f]  
[ 0.259831] pnp 00:0a: [io 0xfe0-0xfef]  
[ 0.259832] pnp 00:0a: [io 0x060]  
[ 0.259833] pnp 00:0a: [io 0x064]  
[ 0.259835] pnp 00:0a: [mem 0xcff00000-0xcfffffff]  
[ 0.259836] pnp 00:0a: [mem 0xffb80000-0xffbfffff]  
[ 0.259838] pnp 00:0a: [mem 0xfec10000-0xfec1001f]  
[ 0.259840] pnp 00:0a: [mem 0xfed40000-0xfed44fff]  
[ 0.259900] system 00:0a: [io 0x4d0-0x4d1] has been reserved  
[ 0.259902] system 00:0a: [io 0x40b] has been reserved  
[ 0.259904] system 00:0a: [io 0x4d6] has been reserved  
[ 0.259906] system 00:0a: [io 0xc00-0xc01] has been reserved  
[ 0.259908] system 00:0a: [io 0xc14] has been reserved  
[ 0.259910] system 00:0a: [io 0xc50-0xc51] has been reserved  
[ 0.259912] system 00:0a: [io 0xc52] has been reserved  
[ 0.259914] system 00:0a: [io 0xc6c] has been reserved  
[ 0.259915] system 00:0a: [io 0xc6f] has been reserved  
[ 0.259917] system 00:0a: [io 0xcd0-0xcd1] has been reserved  
[ 0.259919] system 00:0a: [io 0xcd2-0xcd3] has been reserved  
[ 0.259921] system 00:0a: [io 0xcd4-0xcd5] has been reserved  
[ 0.259923] system 00:0a: [io 0xcd6-0xcd7] has been reserved  
[ 0.259925] system 00:0a: [io 0xcd8-0xcdf] has been reserved  
[ 0.259927] system 00:0a: [io 0xb00-0xb3f] has been reserved  
[ 0.259929] system 00:0a: [io 0x800-0x89f] has been reserved  
[ 0.259932] system 00:0a: [io 0xb00-0xb0f] has been reserved  
[ 0.259934] system 00:0a: [io 0xb20-0xb3f] has been reserved  
[ 0.259936] system 00:0a: [io 0x900-0x90f] has been reserved  
[ 0.259938] system 00:0a: [io 0x910-0x91f] has been reserved  
[ 0.259940] system 00:0a: [io 0xfe0-0xfef] has been reserved  
[ 0.259942] system 00:0a: [mem 0xcff00000-0xcfffffff] has been reserved  
[ 0.259945] system 00:0a: [mem 0xffb80000-0xffbfffff] has been reserved  
[ 0.259947] system 00:0a: [mem 0xfec10000-0xfec1001f] has been reserved  
[ 0.259949] system 00:0a: [mem 0xfed40000-0xfed44fff] has been reserved  
[ 0.259951] system 00:0a: Plug and Play ACPI device, IDs PNP0c02 (active)  
[ 0.260058] pnp 00:0b: [io 0x0000-0xffffffff disabled]  
[ 0.260060] pnp 00:0b: [io 0x230-0x23f]  
[ 0.260062] pnp 00:0b: [io 0x290-0x29f]  
[ 0.260063] pnp 00:0b: [io 0x300-0x30f]  
[ 0.260065] pnp 00:0b: [io 0xa30-0xa3f]  
[ 0.260098] system 00:0b: [io 0x230-0x23f] has been reserved  
[ 0.260101] system 00:0b: [io 0x290-0x29f] has been reserved  
[ 0.260102] system 00:0b: [io 0x300-0x30f] has been reserved  
[ 0.260104] system 00:0b: [io 0xa30-0xa3f] has been reserved

[ 0.260106] system 00:0b: Plug and Play ACPI device, IDs PNP0c02 (active)  
[ 0.260132] pnp 00:0c: [mem 0xe0000000-0xffffffff]  
[ 0.260165] system 00:0c: [mem 0xe0000000-0xffffffff] has been reserved  
[ 0.260168] system 00:0c: Plug and Play ACPI device, IDs PNP0c02 (active)  
[ 0.260713] pnp 00:0d: [mem 0x00000000-0x0009ffff]  
[ 0.260716] pnp 00:0d: [mem 0x000c0000-0x000cffff]  
[ 0.260718] pnp 00:0d: [mem 0x000e0000-0x000fffff]  
[ 0.260720] pnp 00:0d: [mem 0x00100000-0xcfefffff]  
[ 0.260722] pnp 00:0d: [mem 0xfec00000-0xffffffff]  
[ 0.260797] system 00:0d: [mem 0x00000000-0x0009ffff] could not be reserved  
[ 0.260800] system 00:0d: [mem 0x000c0000-0x000cffff] could not be reserved  
[ 0.260802] system 00:0d: [mem 0x000e0000-0x000fffff] could not be reserved  
[ 0.260804] system 00:0d: [mem 0x00100000-0xcfefffff] could not be reserved  
[ 0.260806] system 00:0d: [mem 0xfec00000-0xffffffff] could not be reserved  
[ 0.260809] system 00:0d: Plug and Play ACPI device, IDs PNP0c01 (active)  
[ 0.260895] pnp: PnP ACPI: found 14 devices  
[ 0.260896] ACPI: ACPI bus type pnp unregistered  
[ 0.260899] PnPBIOS: Disabled by ACPI PNP  
[ 0.297281] pci 0000:00:01.0: PCI bridge to [bus 01-01]  
[ 0.297284] pci 0000:00:01.0: bridge window [io 0xd000-0xdfff]  
[ 0.297287] pci 0000:00:01.0: bridge window [mem 0xfe900000-0xfeafffff]  
[ 0.297289] pci 0000:00:01.0: bridge window [mem 0xd0000000-0xdfffffff 64bit pref]  
[ 0.297292] pci 0000:00:0a.0: PCI bridge to [bus 02-02]  
[ 0.297294] pci 0000:00:0a.0: bridge window [io 0xe000-0xefff]  
[ 0.297297] pci 0000:00:0a.0: bridge window [mem 0xfeb00000-0xfebfffff]  
[ 0.297300] pci 0000:00:0a.0: bridge window [mem 0xfd000000-0xfdffffff 64bit pref]  
[ 0.297303] pci 0000:00:14.4: PCI bridge to [bus 03-03]  
[ 0.297333] pci\_bus 0000:00: resource 4 [io 0x0000-0x0cf7]  
[ 0.297335] pci\_bus 0000:00: resource 5 [io 0xd00-0xffff]  
[ 0.297337] pci\_bus 0000:00: resource 6 [mem 0x000a0000-0x000bffff]  
[ 0.297339] pci\_bus 0000:00: resource 7 [mem 0x000d0000-0x000dffff]  
[ 0.297340] pci\_bus 0000:00: resource 8 [mem 0xcff00000-0xdfffffff]  
[ 0.297342] pci\_bus 0000:00: resource 9 [mem 0xf0000000-0xfebfffff]  
[ 0.297344] pci\_bus 0000:01: resource 0 [io 0xd000-0xdfff]  
[ 0.297346] pci\_bus 0000:01: resource 1 [mem 0xfe900000-0xfeafffff]  
[ 0.297348] pci\_bus 0000:01: resource 2 [mem 0xd0000000-0xdfffffff 64bit pref]  
[ 0.297349] pci\_bus 0000:02: resource 0 [io 0xe000-0xefff]  
[ 0.297351] pci\_bus 0000:02: resource 1 [mem 0xfeb00000-0xfebfffff]  
[ 0.297353] pci\_bus 0000:02: resource 2 [mem 0xfd000000-0xfdffffff 64bit pref]  
[ 0.297355] pci\_bus 0000:03: resource 4 [io 0x0000-0x0cf7]  
[ 0.297357] pci\_bus 0000:03: resource 5 [io 0xd00-0xffff]  
[ 0.297358] pci\_bus 0000:03: resource 6 [mem 0x000a0000-0x000bffff]  
[ 0.297360] pci\_bus 0000:03: resource 7 [mem 0x000d0000-0x000dffff]  
[ 0.297362] pci\_bus 0000:03: resource 8 [mem 0xcff00000-0xdfffffff]  
[ 0.297364] pci\_bus 0000:03: resource 9 [mem 0xf0000000-0xfebfffff]  
[ 0.297433] NET: Registered protocol family 2  
[ 0.297486] IP route cache hash table entries: 32768 (order: 5, 131072 bytes)  
[ 0.297614] TCP established hash table entries: 131072 (order: 8, 1048576 bytes)  
[ 0.297954] TCP bind hash table entries: 65536 (order: 7, 524288 bytes)  
[ 0.298121] TCP: Hash tables configured (established 131072 bind 65536)  
[ 0.298123] TCP: reno registered  
[ 0.298126] UDP hash table entries: 512 (order: 2, 16384 bytes)

[ 0.298131] UDP-Lite hash table entries: 512 (order: 2, 16384 bytes)  
[ 0.298222] NET: Registered protocol family 1  
[ 1.323877] pci 0000:01:05.0: Boot video device  
[ 1.323884] PCI: CLS 64 bytes, default 64  
[ 1.323921] Unpacking initramfs...  
[ 1.533647] Freeing initrd memory: 13704k freed  
[ 1.537122] LVT offset 1 assigned for vector 0x400  
[ 1.537133] IBS: LVT offset 1 assigned  
[ 1.537145] perf: AMD IBS detected (0x0000001f)  
[ 1.537296] audit: initializing netlink socket (disabled)  
[ 1.537306] type=2000 audit(1010044199.428:1): initialized  
[ 1.546055] highmem bounce pool size: 64 pages  
[ 1.546059] HugeTLB registered 4 MB page size, pre-allocated 0 pages  
[ 1.546254] VFS: Disk quotas dquot\_6.5.2  
[ 1.546274] Dquot-cache hash table entries: 1024 (order 0, 4096 bytes)  
[ 1.546332] msgmni has been set to 1696  
[ 1.546485] alg: No test for stdrng (krng)  
[ 1.546509] Block layer SCSI generic (bsg) driver version 0.4 loaded (major 253)  
[ 1.546512] io scheduler noop registered  
[ 1.546513] io scheduler deadline registered  
[ 1.546527] io scheduler cfq registered (default)  
[ 1.546635] pci\_hotplug: PCI Hot Plug PCI Core version: 0.5  
[ 1.546647] pciehp: PCI Express Hot Plug Controller Driver version: 0.4  
[ 1.546648] acpiphp: ACPI Hot Plug PCI Controller Driver version: 0.5  
[ 1.546890] GHES: HEST is not enabled!  
[ 1.546899] isapnp: Scanning for PnP cards...  
[ 1.900095] isapnp: No Plug & Play device found  
[ 1.900154] Serial: 8250/16550 driver, 4 ports, IRQ sharing enabled  
[ 1.920549] serial8250: ttyS0 at I/O 0x3f8 (irq = 4) is a 16550A  
[ 1.941214] 00:08: ttyS0 at I/O 0x3f8 (irq = 4) is a 16550A  
[ 1.941424] Linux agpgart interface v0.103  
[ 1.941664] i8042: PNP: No PS/2 controller found. Probing ports directly.  
[ 1.942054] serio: i8042 KBD port at 0x60,0x64 irq 1  
[ 1.942072] serio: i8042 AUX port at 0x60,0x64 irq 12  
[ 1.942205] mousedev: PS/2 mouse device common for all mice  
[ 1.942234] rtc\_cmos 00:03: RTC can wake from S4  
[ 1.942367] rtc\_cmos 00:03: rtc core: registered rtc\_cmos as rtc0  
[ 1.942390] rtc0: alarms up to one month, y3k, 114 bytes nvram, hpet irqs  
[ 1.942487] TCP: cubic registered  
[ 1.942539] NET: Registered protocol family 10  
[ 1.942682] Mobile IPv6  
[ 1.942684] NET: Registered protocol family 17  
[ 1.942687] Registering the dns\_resolver key type  
[ 1.942717] Using IPI No-Shortcut mode  
[ 1.942857] PM: Hibernation image not present or could not be loaded.  
[ 1.942867] registered taskstats version 1  
[ 1.943195] rtc\_cmos 00:03: setting system clock to 2002-01-03 07:50:00 UTC (1010044200)  
[ 1.943285] Freeing unused kernel memory: 416k freed  
[ 1.943428] Write protecting the kernel text: 3496k  
[ 1.943444] Write protecting the kernel read-only data: 984k  
[ 1.954315] udevd[50]: starting version 175  
[ 1.972861] microcode: CPU0: patch\_level=0x010000b6

[ 1.981073] usbcore: registered new interface driver usbfs  
[ 1.981093] usbcore: registered new interface driver hub  
[ 1.984164] SCSI subsystem initialized  
[ 2.001119] usbcore: registered new device driver usb  
[ 2.001140] libata version 3.00 loaded.  
[ 2.001596] ehci\_hcd: USB 2.0 'Enhanced' Host Controller (EHCI) Driver  
[ 2.001643] ehci\_hcd 0000:00:12.2: EHCI Host Controller  
[ 2.001663] ehci\_hcd 0000:00:12.2: new USB bus registered, assigned bus number 1  
[ 2.001671] ehci\_hcd 0000:00:12.2: applying AMD SB700/SB800/Hudson-2/3 EHCI dummy qh  
workaround  
[ 2.001695] ehci\_hcd 0000:00:12.2: debug port 1  
[ 2.001717] ehci\_hcd 0000:00:12.2: irq 17, io mem 0xfe8ff800  
[ 2.004278] r8169 Gigabit Ethernet driver 2.3LK-NAPI loaded  
[ 2.004437] r8169 0000:02:00.0: eth0: RTL8168d/8111d at 0xf801e000, bc:ae:c5:17:b7:64, XID  
083000c0 IRQ 18  
[ 2.004440] r8169 0000:02:00.0: eth0: jumbo features [frames: 9200 bytes, tx checksumming: ko]  
[ 2.006090] microcode: CPU0: new patch\_level=0x010000c8  
[ 2.006099] microcode: CPU1: patch\_level=0x010000b6  
[ 2.008450] ohci\_hcd: USB 1.1 'Open' Host Controller (OHCI) Driver  
[ 2.010626] ehci\_hcd 0000:00:12.2: USB 2.0 started, EHCI 1.00  
[ 2.010670] usb usb1: New USB device found, idVendor=1d6b, idProduct=0002  
[ 2.010673] usb usb1: New USB device strings: Mfr=3, Product=2, SerialNumber=1  
[ 2.010675] usb usb1: Product: EHCI Host Controller  
[ 2.010676] usb usb1: Manufacturer: Linux 3.4-9-rtai-686-pae ehci\_hcd  
[ 2.010678] usb usb1: SerialNumber: 0000:00:12.2  
[ 2.010774] hub 1-0:1.0: USB hub found  
[ 2.010778] hub 1-0:1.0: 6 ports detected  
[ 2.010882] ehci\_hcd 0000:00:13.2: EHCI Host Controller  
[ 2.010888] ehci\_hcd 0000:00:13.2: new USB bus registered, assigned bus number 2  
[ 2.010897] ehci\_hcd 0000:00:13.2: applying AMD SB700/SB800/Hudson-2/3 EHCI dummy qh  
workaround  
[ 2.010918] ehci\_hcd 0000:00:13.2: debug port 1  
[ 2.010941] ehci\_hcd 0000:00:13.2: irq 19, io mem 0xfe8ff400  
[ 2.018058] microcode: CPU1: new patch\_level=0x010000c8  
[ 2.018179] microcode: Microcode Update Driver: v2.00 <tigran@aivazian.fsnet.co.uk>, Peter  
Oruba  
[ 2.022653] ehci\_hcd 0000:00:13.2: USB 2.0 started, EHCI 1.00  
[ 2.022677] usb usb2: New USB device found, idVendor=1d6b, idProduct=0002  
[ 2.022679] usb usb2: New USB device strings: Mfr=3, Product=2, SerialNumber=1  
[ 2.022681] usb usb2: Product: EHCI Host Controller  
[ 2.022683] usb usb2: Manufacturer: Linux 3.4-9-rtai-686-pae ehci\_hcd  
[ 2.022684] usb usb2: SerialNumber: 0000:00:13.2  
[ 2.022794] hub 2-0:1.0: USB hub found  
[ 2.022798] hub 2-0:1.0: 6 ports detected  
[ 2.022969] ahci 0000:00:11.0: version 3.0  
[ 2.023087] ahci 0000:00:11.0: AHCI 0001.0100 32 slots 4 ports 3 Gbps 0xf impl SATA mode  
[ 2.023090] ahci 0000:00:11.0: flags: 64bit ncq sntf ilck pm led clo pmp pio slum part ccc  
[ 2.023539] scsi0 : ahci  
[ 2.023614] scsi1 : ahci  
[ 2.023663] scsi2 : ahci  
[ 2.023710] scsi3 : ahci  
[ 2.023806] ata1: SATA max UDMA/133 abar m1024@0xfe8ffc00 port 0xfe8ffd00 irq 22

[ 2.023809] ata2: SATA max UDMA/133 abar m1024@0xfe8ffc00 port 0xfe8ffd80 irq 22  
[ 2.023812] ata3: SATA max UDMA/133 abar m1024@0xfe8ffc00 port 0xfe8ffe00 irq 22  
[ 2.023815] ata4: SATA max UDMA/133 abar m1024@0xfe8ffc00 port 0xfe8ffe80 irq 22  
[ 2.023899] pata\_atiixp 0000:00:14.1: setting latency timer to 64  
[ 2.024275] scsi4 : pata\_atiixp  
[ 2.024416] scsi5 : pata\_atiixp  
[ 2.024951] ata5: PATA max UDMA/100 cmd 0x1f0 ctl 0x3f6 bmdma 0xff00 irq 14  
[ 2.024954] ata6: PATA max UDMA/100 cmd 0x170 ctl 0x376 bmdma 0xff08 irq 15  
[ 2.025048] ohci\_hcd 0000:00:12.0: OHCI Host Controller  
[ 2.025056] ohci\_hcd 0000:00:12.0: new USB bus registered, assigned bus number 3  
[ 2.025080] ohci\_hcd 0000:00:12.0: irq 16, io mem 0xfe8fe000  
[ 2.082538] usb usb3: New USB device found, idVendor=1d6b, idProduct=0001  
[ 2.082541] usb usb3: New USB device strings: Mfr=3, Product=2, SerialNumber=1  
[ 2.082543] usb usb3: Product: OHCI Host Controller  
[ 2.082544] usb usb3: Manufacturer: Linux 3.4-9-rtai-686-pae ohci\_hcd  
[ 2.082546] usb usb3: SerialNumber: 0000:00:12.0  
[ 2.082668] hub 3-0:1.0: USB hub found  
[ 2.082674] hub 3-0:1.0: 3 ports detected  
[ 2.083226] ohci\_hcd 0000:00:12.1: OHCI Host Controller  
[ 2.083235] ohci\_hcd 0000:00:12.1: new USB bus registered, assigned bus number 4  
[ 2.083251] ohci\_hcd 0000:00:12.1: irq 16, io mem 0xfe8fd000  
[ 2.142433] usb usb4: New USB device found, idVendor=1d6b, idProduct=0001  
[ 2.142437] usb usb4: New USB device strings: Mfr=3, Product=2, SerialNumber=1  
[ 2.142439] usb usb4: Product: OHCI Host Controller  
[ 2.142440] usb usb4: Manufacturer: Linux 3.4-9-rtai-686-pae ohci\_hcd  
[ 2.142442] usb usb4: SerialNumber: 0000:00:12.1  
[ 2.142564] hub 4-0:1.0: USB hub found  
[ 2.142570] hub 4-0:1.0: 3 ports detected  
[ 2.142652] ohci\_hcd 0000:00:13.0: OHCI Host Controller  
[ 2.142658] ohci\_hcd 0000:00:13.0: new USB bus registered, assigned bus number 5  
[ 2.142684] ohci\_hcd 0000:00:13.0: irq 18, io mem 0xfe8fc000  
[ 2.202329] usb usb5: New USB device found, idVendor=1d6b, idProduct=0001  
[ 2.202332] usb usb5: New USB device strings: Mfr=3, Product=2, SerialNumber=1  
[ 2.202333] usb usb5: Product: OHCI Host Controller  
[ 2.202335] usb usb5: Manufacturer: Linux 3.4-9-rtai-686-pae ohci\_hcd  
[ 2.202336] usb usb5: SerialNumber: 0000:00:13.0  
[ 2.202461] hub 5-0:1.0: USB hub found  
[ 2.202467] hub 5-0:1.0: 3 ports detected  
[ 2.202844] ohci\_hcd 0000:00:13.1: OHCI Host Controller  
[ 2.202851] ohci\_hcd 0000:00:13.1: new USB bus registered, assigned bus number 6  
[ 2.203011] ohci\_hcd 0000:00:13.1: irq 18, io mem 0xfe8fb000  
[ 2.262241] usb usb6: New USB device found, idVendor=1d6b, idProduct=0001  
[ 2.262244] usb usb6: New USB device strings: Mfr=3, Product=2, SerialNumber=1  
[ 2.262246] usb usb6: Product: OHCI Host Controller  
[ 2.262248] usb usb6: Manufacturer: Linux 3.4-9-rtai-686-pae ohci\_hcd  
[ 2.262249] usb usb6: SerialNumber: 0000:00:13.1  
[ 2.262376] hub 6-0:1.0: USB hub found  
[ 2.262382] hub 6-0:1.0: 3 ports detected  
[ 2.262471] ohci\_hcd 0000:00:14.5: OHCI Host Controller  
[ 2.262479] ohci\_hcd 0000:00:14.5: new USB bus registered, assigned bus number 7  
[ 2.262498] ohci\_hcd 0000:00:14.5: irq 18, io mem 0xfe8fa000  
[ 2.322135] usb usb7: New USB device found, idVendor=1d6b, idProduct=0001

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[ 2.322138] usb usb7: New USB device strings: Mfr=3, Product=2, SerialNumber=1
[ 2.322140] usb usb7: Product: OHCI Host Controller
[ 2.322142] usb usb7: Manufacturer: Linux 3.4-9-rtai-686-pae ohci_hcd
[ 2.322143] usb usb7: SerialNumber: 0000:00:14.5
[ 2.322253] hub 7-0:1.0: USB hub found
[ 2.322259] hub 7-0:1.0: 2 ports detected
[ 2.342104] ata4: SATA link down (SStatus 0 SControl 300)
[ 2.342153] ata2: SATA link down (SStatus 0 SControl 300)
[ 2.513771] ata1: SATA link up 3.0 Gbps (SStatus 123 SControl 300)
[ 2.513800] ata3: SATA link up 1.5 Gbps (SStatus 113 SControl 300)
[ 2.514405] ata1.00: ATA-7: ST3250310AS, 4.AAA, max UDMA/133
[ 2.514408] ata1.00: 488397168 sectors, multi 16: LBA48 NCQ (depth 31/32)
[ 2.515194] ata1.00: configured for UDMA/133
[ 2.515349] scsi 0:0:0:0: Direct-Access ATA ST3250310AS 4.AA PQ: 0 ANSI: 5
[ 2.521869] ata3.00: ATAPI: HL-DT-ST BD-RE BH10LS30, 1.00, max UDMA/133
[ 2.525860] ata3.00: configured for UDMA/133
[ 2.533717] Refined TSC clocksource calibration: 3214.432 MHz.
[ 2.533723] Switching to clocksource tsc
[ 2.534981] scsi 2:0:0:0: CD-ROM HL-DT-ST BD-RE BH10LS30 1.00 PQ: 0 ANSI: 5
[ 2.538995] sd 0:0:0:0: [sda] 488397168 512-byte logical blocks: (250 GB/232 GiB)
[ 2.539028] sd 0:0:0:0: [sda] Write Protect is off
[ 2.539030] sd 0:0:0:0: [sda] Mode Sense: 00 3a 00 00
[ 2.539045] sd 0:0:0:0: [sda] Write cache: enabled, read cache: enabled, doesn't support DPO or FUA
[ 2.579956] sda: sda1 sda2 < sda5 >
[ 2.580251] sd 0:0:0:0: [sda] Attached SCSI disk
[ 2.581633] sd 0:0:0:0: Attached scsi generic sg0 type 0
[ 2.581733] sr 2:0:0:0: Attached scsi generic sg1 type 5
[ 2.585640] usb 3-1: new low-speed USB device number 2 using ohci_hcd
[ 2.595015] sr0: scsi3-mmc drive: 40x/40x writer dvd-ram cd/rw xa/form2 cdda tray
[ 2.595018] cdrom: Uniform CD-ROM driver Revision: 3.20
[ 2.595152] sr 2:0:0:0: Attached scsi CD-ROM sr0
[ 2.752361] usb 3-1: New USB device found, idVendor=046d, idProduct=c05a
[ 2.752365] usb 3-1: New USB device strings: Mfr=1, Product=2, SerialNumber=0
[ 2.752367] usb 3-1: Product: USB Optical Mouse
[ 2.752369] usb 3-1: Manufacturer: Logitech
[ 2.760485] input: Logitech USB Optical Mouse as /devices/pci0000:00/0000:00:12.0/usb3/3-1/3-1:1.0/input/input0
[ 2.760562] generic-usb 0003:046D:C05A.0001: input,hidraw0: USB HID v1.11 Mouse [Logitech USB Optical Mouse] on usb-0000:00:12.0-1/input0
[ 2.760584] usbcore: registered new interface driver usbhid
[ 2.760586] usbhid: USB HID core driver
[ 3.016857] usb 3-2: new low-speed USB device number 3 using ohci_hcd
[ 3.198556] usb 3-2: New USB device found, idVendor=04f2, idProduct=0402
[ 3.198560] usb 3-2: New USB device strings: Mfr=1, Product=2, SerialNumber=0
[ 3.198562] usb 3-2: Product: USB Keyboard
[ 3.198564] usb 3-2: Manufacturer: Chicony
[ 3.211697] input: Chicony USB Keyboard as /devices/pci0000:00/0000:00:12.0/usb3/3-2/3-2:1.0/input/input1
[ 3.211750] generic-usb 0003:04F2:0402.0002: input,hidraw1: USB HID v1.11 Keyboard [Chicony USB Keyboard] on usb-0000:00:12.0-2/input0
[ 3.239537] input: Chicony USB Keyboard as /devices/pci0000:00/0000:00:12.0/usb3/3-2/3-

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2:1.1/input/input2

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[ 3.239614] generic-usb 0003:04F2:0402.0003: input,hiddev0,hidraw2: USB HID v1.11 Device
[Chicony USB Keyboard] on usb-0000:00:12.0-2/input1
[ 7.849755] PM: Starting manual resume from disk
[ 7.849759] PM: Hibernation image partition 8:5 present
[ 7.849760] PM: Looking for hibernation image.
[ 7.849967] PM: Image not found (code -22)
[ 7.849970] PM: Hibernation image not present or could not be loaded.
[ 7.920561] EXT4-fs (sda1): mounted filesystem with ordered data mode. Opts: (null)
[ 9.828360] udevd[384]: starting version 175
[ 10.164460] input: Power Button as
/devices/LNXSYSTM:00/LNXXSYBUS:00/PNP0C0C:00/input/input3
[ 10.164465] ACPI: Power Button [PWRB]
[ 10.164506] input: Power Button as /devices/LNXSYSTM:00/LNXPWRBN:00/input/input4
[ 10.164509] ACPI: Power Button [PWRB]
[ 10.270199] wmi: Mapper loaded
[ 10.497939] ACPI Warning: 0x00000b00-0x00000b07 SystemIO conflicts with Region \SOR1 1
(20120320/utaddress-251)
[ 10.497946] ACPI Warning: 0x00000b00-0x00000b07 SystemIO conflicts with Region \SMRG 2
(20120320/utaddress-251)
[ 10.497950] ACPI Warning: 0x00000b00-0x00000b07 SystemIO conflicts with Region
\_SB_.PCI0.SBRG.ASOC.SMRG 3 (20120320/utaddress-251)
[ 10.497955] ACPI: If an ACPI driver is available for this device, you should use it instead of the
native driver
[ 10.635590] shpchp: Standard Hot Plug PCI Controller Driver version: 0.4
[ 10.641653] parport_pc 00:06: reported by Plug and Play ACPI
[ 10.641682] parport0: PC-style at 0x378, irq 7 [PCSP,TRISTATE,EPP]
[ 10.757400] sp5100_tco: SP5100 TCO WatchDog Timer Driver v0.01
[ 10.757462] sp5100_tco: mmio address 0xfec000f0 already in use
[ 10.764954] [drm] Initialized drm 1.1.0 20060810
[ 11.087356] [drm] radeon kernel modesetting enabled.
[ 11.087680] radeon 0000:01:05.0: setting latency timer to 64
[ 11.087686] [drm] initializing kernel modesetting (RS780 0x1002:0x9616 0x1043:0x8388).
[ 11.087703] [drm] register mmio base: 0xFEAF0000
[ 11.087704] [drm] register mmio size: 65536
[ 11.088717] ATOM BIOS: B27722_RS780C
[ 11.088734] radeon 0000:01:05.0: VRAM: 256M 0x00000000C0000000 -
0x00000000CFFFFFFF (256M used)
[ 11.088736] radeon 0000:01:05.0: GTT: 512M 0x00000000A0000000 - 0x00000000BFFFFFFF
[ 11.089016] [drm] Detected VRAM RAM=256M, BAR=256M
[ 11.089019] [drm] RAM width 32bits DDR
[ 11.089080] [TTM] Zone kernel: Available graphics memory: 434422 kiB
[ 11.089083] [TTM] Zone highmem: Available graphics memory: 1682970 kiB
[ 11.089084] [TTM] Initializing pool allocator
[ 11.089106] [drm] radeon: 256M of VRAM memory ready
[ 11.089107] [drm] radeon: 512M of GTT memory ready.
[ 11.089122] [drm] GART: num cpu pages 131072, num gpu pages 131072
[ 11.089443] [drm] radeon: ib pool ready.
[ 11.089520] [drm] Loading RS780 Microcode
[ 11.131753] input: HDA ATI SB Line as /devices/pci0000:00/0000:00:14.2/sound/card0/input5
[ 11.131819] input: HDA ATI SB Front Mic as
/devices/pci0000:00/0000:00:14.2/sound/card0/input6
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[ 11.131871] input: HDA ATI SB Rear Mic as  
/devices/pci0000:00/0000:00:14.2/sound/card0/input7  
[ 11.131921] input: HDA ATI SB Front Headphone as  
/devices/pci0000:00/0000:00:14.2/sound/card0/input8  
[ 11.131969] input: HDA ATI SB Line Out Side as  
/devices/pci0000:00/0000:00:14.2/sound/card0/input9  
[ 11.132017] input: HDA ATI SB Line Out CLFE as  
/devices/pci0000:00/0000:00:14.2/sound/card0/input10  
[ 11.132064] input: HDA ATI SB Line Out Surround as  
/devices/pci0000:00/0000:00:14.2/sound/card0/input11  
[ 11.132116] input: HDA ATI SB Line Out Front as  
/devices/pci0000:00/0000:00:14.2/sound/card0/input12  
[ 11.301792] [drm] PCIE GART of 512M enabled (table at 0x00000000C0040000).  
[ 11.301852] radeon 0000:01:05.0: WB enabled  
[ 11.301855] [drm] fence driver on ring 0 use gpu addr 0xa0000c00 and cpu addr 0xff97ec00  
[ 11.301858] [drm] Supports vblank timestamp caching Rev 1 (10.10.2010).  
[ 11.301859] [drm] Driver supports precise vblank timestamp query.  
[ 11.301875] [drm] radeon: irq initialized.  
[ 11.333706] [drm] ring test on 0 succeeded in 1 usecs  
[ 11.333815] [drm] ib test on ring 0 succeeded in 0 usecs  
[ 11.333959] [drm] Radeon Display Connectors  
[ 11.333961] [drm] Connector 0:  
[ 11.333962] [drm] VGA  
[ 11.333964] [drm] DDC: 0x7e40 0x7e40 0x7e44 0x7e44 0x7e48 0x7e48 0x7e4c 0x7e4c  
[ 11.333965] [drm] Encoders:  
[ 11.333967] [drm] CRT1: INTERNAL\_KLDSCP\_DAC1  
[ 11.333968] [drm] Connector 1:  
[ 11.333969] [drm] DVI-D  
[ 11.333970] [drm] HPD1  
[ 11.333972] [drm] DDC: 0x7e50 0x7e50 0x7e54 0x7e54 0x7e58 0x7e58 0x7e5c 0x7e5c  
[ 11.333973] [drm] Encoders:  
[ 11.333974] [drm] DFP3: INTERNAL\_KLDSCP\_LVTMA  
[ 11.333995] [drm] radeon: power management initialized  
[ 11.387692] [drm] fb mappable at 0xD0142000  
[ 11.387694] [drm] vram apper at 0xD0000000  
[ 11.387696] [drm] size 5242880  
[ 11.387697] [drm] fb depth is 24  
[ 11.387698] [drm] pitch is 5120  
[ 11.387775] fbcon: radeondrmfb (fb0) is primary device  
[ 11.421105] Console: switching to colour frame buffer device 160x64  
[ 11.432171] fb0: radeondrmfb frame buffer device  
[ 11.432173] drm: registered panic notifier  
[ 11.432178] [drm] Initialized radeon 2.16.0 20080528 for 0000:01:05.0 on minor 0  
[ 11.432243] snd\_hda\_intel 0000:01:05.1: setting latency timer to 64  
[ 12.783672] Adding 7858172k swap on /dev/sda5. Priority:-1 extents:1 across:7858172k  
[ 12.796092] EXT4-fs (sda1): re-mounted. Opts: (null)  
[ 13.031165] EXT4-fs (sda1): re-mounted. Opts: errors=remount-ro  
[ 13.136986] loop: module loaded  
[ 14.153019] RPC: Registered named UNIX socket transport module.  
[ 14.153022] RPC: Registered udp transport module.  
[ 14.153024] RPC: Registered tcp transport module.  
[ 14.153025] RPC: Registered tcp NFSv4.1 backchannel transport module.



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[ 14.185921] FS-Cache: Loaded
[ 14.202052] NFS: Registering the id_resolver key type
[ 14.202069] FS-Cache: Netfs 'nfs' registered for caching
[ 14.212692] Installing knfsd (copyright (C) 1996 okir@monad.swb.de).
[ 16.235501] input: ACPI Virtual Keyboard Device as /devices/virtual/input/input13
[ 17.241050] lp0: using parport0 (interrupt-driven).
[ 17.392811] Bluetooth: Core ver 2.16
[ 17.392829] NET: Registered protocol family 31
[ 17.392830] Bluetooth: HCI device and connection manager initialized
[ 17.392833] Bluetooth: HCI socket layer initialized
[ 17.392834] Bluetooth: L2CAP socket layer initialized
[ 17.392837] Bluetooth: SCO socket layer initialized
[ 17.411963] ppdev: user-space parallel port driver
[ 17.522213] Bluetooth: RFCOMM TTY layer initialized
[ 17.522218] Bluetooth: RFCOMM socket layer initialized
[ 17.522219] Bluetooth: RFCOMM ver 1.11
[ 18.997172] Bluetooth: BNEP (Ethernet Emulation) ver 1.3
[ 18.997175] Bluetooth: BNEP filters: protocol multicast
[ 20.233132] r8169 0000:02:00.0: eth0: link down
[ 20.233242] ADDRCONF(NETDEV_UP): eth0: link is not ready
abel@Abel:~$ sudo linuxcnc
LINUXCNC - 2.7.8
abel@Abel:~$ linuxcnc
LINUXCNC - 2.7.8
Machine configuration directory is '/home/abel/linuxcnc/configs/Chiron_Retro'
Machine configuration file is 'Chiron_Retro.ini'
Starting LinuxCNC...
Found file(REL): ./Chiron_Retro.hal
Error: could not insert module /usr/realtime-3.4-9-rtai-686-pae/modules/linuxcnc/hm2_7i43.ko:
Input/output error
./Chiron_Retro.hal:8: exit value: 1
./Chiron_Retro.hal:8: insmod for hm2_7i43 failed, returned -1
See the output of 'dmesg' for more information.
Shutting down and cleaning up LinuxCNC...
Running HAL shutdown script
LinuxCNC terminated with an error. You can find more information in the log:
  /home/abel/linuxcnc_debug.txt
and
  /home/abel/linuxcnc_print.txt
as well as in the output of the shell command 'dmesg' and in the terminal
abel@Abel:~$ sudo dmesg
[ 525.874340] I-pipe: head domain RTAI registered.
[ 525.874344] RTAI[hal]: compiled with gcc version 4.7.2 (Debian 4.7.2-5) .
[ 525.874376] RTAI[hal]: mounted (IPIPE-NOTHEADS, IMMEDIATE (INTERNAL IRQs
DISPATCHED), ISOL_CPUS_MASK: 0).
[ 525.874379] SYSINFO: CPUs 2, LINUX APIC IRQ 2312, TIM_FREQ 12555455, CLK_FREQ
3214524000, CPU_FREQ 3214524000
[ 525.874381] RTAI_APIC_TIMER_IPI: RTAI DEFINED 2314, VECTOR 2314;
LINUX_APIC_TIMER_IPI: RTAI DEFINED 2312, VECTOR 2312
[ 525.874384] TIMER NAME: lapic; VARIOUSLY FOUND APIC FREQs: 12555455, 12555455,
3325750
[ 525.908071] RTAI[malloc]: global heap size = 2097152 bytes, <BSD>.

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[ 525.908095] , <uses LINUX SYSCALLs>, kstacks pool size = 524288 bytes.  
[ 525.908098] RTAI[sched]: hard timer type/freq = APIC/12555455(Hz); default timing: oneshot;  
linear timed lists.  
[ 525.908101] RTAI[sched]: Linux timer freq = 250 (Hz), TimeBase freq = 3214524000 hz.  
[ 525.908102] RTAI[sched]: timer setup = 999 ns, resched latency = 2944 ns.  
[ 525.919133] RTAI[math]: loaded.  
[ 526.156563] hm2: loading Mesa HostMot2 driver version 0.15  
[ 526.198034] hm2\_7i43: loading HostMot2 Mesa 7i43 driver version 0.3  
[ 526.225467] RTAPI: ERROR: Unexpected realtime delay on task 1  
[ 526.225468] This Message will only display once per session.  
[ 526.225470] Run the Latency Test and resolve before continuing.  
[ 527.794579] hm2\_7i43.0: EPP Timeout while sending firmware!  
[ 527.794596] hm2/hm2\_7i43.0: failed to program fpga, aborting hm2\_register  
[ 527.794599] hm2\_7i43.0: board at (ioaddr=0x0378, ioaddr\_hi=0x0778, epp\_wide ON) not  
found!  
[ 528.051701] hm2: unloading  
[ 530.145529] spurious APIC interrupt on CPU#1, should never happen.  
[ 530.148357] RTAI[math]: unloaded.  
[ 530.149950] SCHED releases registered named ALIEN PEDV\$D  
[ 530.154326] RTAI[malloc]: unloaded.  
[ 530.250938] RTAI[sched]: unloaded (forced hard/soft/hard transitions: traps 0, syscalls 0).  
[ 530.252358] I-pipe: head domain RTAI unregistered.  
[ 530.252399] RTAI[hal]: unmounted.  
abel@Abel:~\$