

Print file information:

```
RUN_IN_PLACE=no
LINUXCNC_DIR=
LINUXCNC_BIN_DIR=/usr/bin
LINUXCNC_TCL_DIR=/usr/lib/tcltk/linuxcnc
LINUXCNC_SCRIPT_DIR=
LINUXCNC_RT_LIB_DIR=/usr/realtime-3.4-9-rtai-686-pae/modules/linuxcnc
LINUXCNC_CONFIG_DIR=
LINUXCNC_LANG_DIR=/usr/share/linuxcnc/tcl/messages
INIVAR=inivar
HALCMD=halcmd
LINUXCNC_EMCSH=/usr/bin/wish8.5
LINUXCNC - 2.7.13
Machine configuration directory is '/home/philipp/linuxcnc/configs/ACC6090'
Machine configuration file is 'ACC6090.ini'
INIFILE=/home/philipp/linuxcnc/configs/ACC6090/ACC6090.ini
PARAMETER_FILE=linuxcnc.var
TASK=milltask
HALUI=halui
DISPLAY=axis
Starting LinuxCNC...
Starting LinuxCNC server program: linuxcncsvr
Loading Real Time OS, RTAPI, and HAL_LIB modules
Starting LinuxCNC IO program: io
Starting HAL User Interface program: halui
Found file(REL): ./ACC6090.hal
Shutting down and cleaning up LinuxCNC...
Killing task linuxcncsvr, PID=10743
Removing HAL_LIB, RTAPI, and Real Time OS modules
Removing NML shared memory segments
```

Debug file information:

```
.
Error: could not insert module /usr/realtime-3.4-9-rtai-686-
pae/modules/linuxcnc/hal_parport.ko: No such device
./ACC6090.hal:6: exit value: 1
./ACC6090.hal:6: insmod for hal_parport failed, returned -1
See the output of 'dmesg' for more information.
10743
```

```
PID TTY STAT TIME COMMAND
Stopping realtime threads
Unloading hal components
```

Kernel message information:

```
[ 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 - 00000000000009e000 (usable)
[ 0.000000] BIOS-e820: 00000000000009e000 - 0000000000000a0000 (reserved)
[ 0.000000] BIOS-e820: 0000000000000ce000 - 000000000000d00000 (reserved)
[ 0.000000] BIOS-e820: 000000000000e00000 - 000000000001000000 (reserved)
[ 0.000000] BIOS-e820: 000000000001000000 - 00000000000be5b00000 (usable)
[ 0.000000] BIOS-e820: 00000000000be5b00000 - 00000000000be5c90000 (ACPI data)
[ 0.000000] BIOS-e820: 00000000000be5c90000 - 00000000000be5cc0000 (ACPI NVS)
[ 0.000000] BIOS-e820: 00000000000be5cc0000 - 00000000000c00000000 (reserved)
[ 0.000000] BIOS-e820: 00000000000e00000000 - 00000000000f00000000 (reserved)
[ 0.000000] BIOS-e820: 00000000000fec000000 - 00000000000fec100000 (reserved)
[ 0.000000] BIOS-e820: 00000000000fee000000 - 00000000000fee010000 (reserved)
[ 0.000000] BIOS-e820: 00000000000ff0000000 - 00000000000100000000 (reserved)
[ 0.000000] Notice: NX (Execute Disable) protection cannot be enabled: non-
PAE kernel!
[ 0.000000] SMBIOS 2.5 present.
```

```

[ 0.000000] DMI: LENOVO 9164A62/LENOVO, BIOS 2RKT41AUS 03/20/2008
[ 0.000000] e820 update range: 0000000000000000 - 0000000000010000 (usable)
==> (reserved)
[ 0.000000] e820 remove range: 00000000000a0000 - 0000000000010000 (usable)
[ 0.000000] last_pfn = 0xbe5b0 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-BFFFF uncachable
[ 0.000000] C0000-CFFFF write-protect
[ 0.000000] D0000-E3FFF uncachable
[ 0.000000] E4000-FFFFFF write-protect
[ 0.000000] MTRR variable ranges enabled:
[ 0.000000] 0 base 000000000 mask F80000000 write-back
[ 0.000000] 1 base 080000000 mask FC0000000 write-back
[ 0.000000] 2 base 0BE600000 mask FFFE00000 uncachable
[ 0.000000] 3 base 0BE800000 mask FFF800000 uncachable
[ 0.000000] 4 disabled
[ 0.000000] 5 disabled
[ 0.000000] 6 disabled
[ 0.000000] 7 disabled
[ 0.000000] x86 PAT enabled: cpu 0, old 0x7040600070406, new 0x7010600070106
[ 0.000000] e820 update range: 00000000be600000 - 00000000bf000000 (usable)
==> (reserved)
[ 0.000000] found SMP MP-table at [c00f6030] f6030
[ 0.000000] initial memory mapped : 0 - 01800000
[ 0.000000] Base memory trampoline at [c009a000] 9a000 size 16384
[ 0.000000] init_memory_mapping: 0000000000000000-00000000377fe000
[ 0.000000] 00000000000 - 00004000000 page 4k
[ 0.000000] 00004000000 - 00374000000 page 2M
[ 0.000000] 00374000000 - 00377fe0000 page 4k
[ 0.000000] kernel direct mapping tables up to 0x377fdfff @ [mem 0x017f8000-
0x017fffff]
[ 0.000000] RAMDISK: 36418000 - 37204000
[ 0.000000] ACPI: RSDP 000f5e20 00024 (v02 PTLTD )
[ 0.000000] ACPI: XSDT be5bd8f5 000B4 (v01 LENOVO TC-2R 060400D0 LTP
00000000)
[ 0.000000] ACPI: TCPA be5c8bb9 00032 (v02 LENOVO TC-2R 060400D0 PTL
00000000)
[ 0.000000] ACPI: FACP be5c8beb 000F4 (v03 INTEL 060400D0 PTL
00000003)
[ 0.000000] ACPI: DSDT be5c0fee 07B57 (v01 INTEL BEARLAKE 060400D0 MSFT
0100000E)
[ 0.000000] ACPI: FACS be5cbfc0 00040
[ 0.000000] ACPI: _MAR be5c8cdf 00030 (v01 Intel OEMDMAR 060400D0 LOHR
00000001)
[ 0.000000] ACPI: SLIC be5c8d0f 00176 (v01 LENOVO TC-2R 060400D0 LTP
00000000)
[ 0.000000] ACPI: MCFG be5c8e85 0003C (v01 PTLTD MCFG 060400D0 LTP
00000000)
[ 0.000000] ACPI: HPET be5c8ec1 00038 (v01 PTLTD HPETTBL 060400D0 LTP
00000001)
[ 0.000000] ACPI: APIC be5c8ef9 00068 (v01 PTLTD ? APIC 060400D0 LTP
00000000)
[ 0.000000] ACPI: BOOT be5c8f61 00028 (v01 PTLTD $SBFTBL$ 060400D0 LTP
00000001)
[ 0.000000] ACPI: ASF! be5c8f89 00077 (v16 CETP CETP 060400D0 PTL
00000001)
[ 0.000000] ACPI: SSDT be5bf238 0025F (v01 PmRef Cpu0Tst 00003000 INTL
20050228)
[ 0.000000] ACPI: SSDT be5bf192 000A6 (v01 PmRef Cpu7Tst 00003000 INTL
20050228)
[ 0.000000] ACPI: SSDT be5bf0ec 000A6 (v01 PmRef Cpu6Tst 00003000 INTL
20050228)

```

```
[ 0.000000] ACPI: SSDT be5bf046 000A6 (v01 PmRef Cpu5Tst 00003000 INTL
20050228)
[ 0.000000] ACPI: SSDT be5befa0 000A6 (v01 PmRef Cpu4Tst 00003000 INTL
20050228)
[ 0.000000] ACPI: SSDT be5beefa 000A6 (v01 PmRef Cpu3Tst 00003000 INTL
20050228)
[ 0.000000] ACPI: SSDT be5bee54 000A6 (v01 PmRef Cpu2Tst 00003000 INTL
20050228)
[ 0.000000] ACPI: SSDT be5bedae 000A6 (v01 PmRef Cpu1Tst 00003000 INTL
20050228)
[ 0.000000] ACPI: SSDT be5bd9a9 01405 (v01 PmRef CpuPm 00003000 INTL
20050228)
[ 0.000000] ACPI: Local APIC address 0xfee00000
[ 0.000000] 2157MB 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 -> 0x000be5b0
[ 0.000000] Movable zone start PFN for each node
[ 0.000000] Early memory PFN ranges
[ 0.000000] 0: 0x00000010 -> 0x0000009e
[ 0.000000] 0: 0x00000100 -> 0x000be5b0
[ 0.000000] On node 0 totalpages: 779582
[ 0.000000] free_area_init_node: node 0, pgdat c1498a00, node_mem_map
f4c48200
[ 0.000000] DMA zone: 32 pages used for memmap
[ 0.000000] DMA zone: 0 pages reserved
[ 0.000000] DMA zone: 3950 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: 4316 pages used for memmap
[ 0.000000] HighMem zone: 548054 pages, LIFO batch:31
[ 0.000000] Using APIC driver default
[ 0.000000] ACPI: PM-Timer IO Port: 0x1008
[ 0.000000] ACPI: Local APIC address 0xfee00000
[ 0.000000] ACPI: LAPIC (acpi_id[0x00] lapic_id[0x00] enabled)
[ 0.000000] ACPI: LAPIC (acpi_id[0x01] lapic_id[0x01] enabled)
[ 0.000000] ACPI: LAPIC_NMI (acpi_id[0x00] high edge lint[0x1])
[ 0.000000] ACPI: LAPIC_NMI (acpi_id[0x01] high edge lint[0x1])
[ 0.000000] ACPI: IOAPIC (id[0x02] address[0xfec00000] gsi_base[0])
[ 0.000000] IOAPIC[0]: apic_id 2, version 32, address 0xfec00000, GSI 0-23
[ 0.000000] ACPI: INT_SRC_OVR (bus 0 bus_irq 0 global_irq 2 high edge)
[ 0.000000] ACPI: INT_SRC_OVR (bus 0 bus_irq 9 global_irq 9 high 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: 0xffffffff base: 0xfed00000
[ 0.000000] SMP: Allowing 2 CPUs, 0 hotplug CPUs
[ 0.000000] nr_irqs_gsi: 40
[ 0.000000] PM: Registered nosave memory: 0000000000009e000 - 00000000000a0000
[ 0.000000] PM: Registered nosave memory: 00000000000a0000 - 00000000000ce000
[ 0.000000] PM: Registered nosave memory: 00000000000ce000 - 00000000000d0000
[ 0.000000] PM: Registered nosave memory: 00000000000d0000 - 00000000000e0000
[ 0.000000] PM: Registered nosave memory: 00000000000e0000 - 0000000000100000
[ 0.000000] Allocating PCI resources starting at c0000000 (gap:
c0000000:20000000)
[ 0.000000] setup_percpu: NR_CPUS:8 nr_cpumask_bits:8 nr_cpu_ids:2
nr_node_ids:1
[ 0.000000] PERCPU: Embedded 17 pages/cpu @f77c9000 s48384 r0 d21248 u69632
[ 0.000000] pcpu-alloc: s48384 r0 d21248 u69632 alloc=17*4096
```

```

[ 0.000000] pcpu-alloc: [0] 0 [0] 1
[ 0.000000] Built 1 zonelists in Zone order, mobility grouping on. Total
pages: 773490
[ 0.000000] Kernel command line: BOOT_IMAGE=/boot/vmlinuz-3.4-9-rtai-686-pae
root=UUID=bdb36f45-775e-451b-9925-2a7bf47bc42f ro single
initrd=/install/gtk/initrd.gz
[ 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 6237440 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:000be5b0)
[ 0.000000] Memory: 3066724k/3118784k available (3495k kernel code, 51604k
reserved, 1237k data, 416k init, 2209480k highmem)
[ 0.000000] virtual kernel memory layout:
[ 0.000000]   fixmap   : 0xffff17000 - 0xfffff000   ( 928 kB)
[ 0.000000]   pkmap    : 0xff800000 - 0xffc00000   (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:512 16
[ 0.000000] CPU 0 irqstacks, hard=f4006000 soft=f4008000
[ 0.000000] Extended CMOS year: 2000
[ 0.000000] Interrupt pipeline (release #3)
[ 0.000000] Console: colour VGA+ 80x25
[ 0.000000] console [tty0] enabled
[ 0.000000] hpet clockevent registered
[ 0.000000] Fast TSC calibration using PIT
[ 0.000000] Detected 2327.405 MHz processor.
[ 0.004003] Calibrating delay loop (skipped), value calculated using timer
frequency.. 4654.81 BogoMIPS (lpj=9309620)
[ 0.004088] pid_max: default: 32768 minimum: 301
[ 0.004171] Security Framework initialized
[ 0.004214] AppArmor: AppArmor disabled by boot time parameter
[ 0.004274] Mount-cache hash table entries: 512
[ 0.008156] Initializing cgroup subsys cpuacct
[ 0.008198] Initializing cgroup subsys memory
[ 0.008244] Initializing cgroup subsys devices
[ 0.008285] Initializing cgroup subsys freezer
[ 0.008326] Initializing cgroup subsys net_cls
[ 0.008366] Initializing cgroup subsys blkio
[ 0.008411] Initializing cgroup subsys perf_event
[ 0.008478] CPU: Physical Processor ID: 0
[ 0.008517] CPU: Processor Core ID: 0
[ 0.008557] mce: CPU supports 6 MCE banks
[ 0.008600] CPU0: Thermal monitoring handled by SMI
[ 0.008654] ACPI: Core revision 20120320
[ 0.016047] Enabling APIC mode: Flat. Using 1 I/O APICs
[ 0.016440] ..TIMER: vector=0x30 apic1=0 pin1=2 apic2=-1 pin2=-1
[ 0.058359] CPU0: Intel(R) Core(TM)2 Duo CPU   E6550 @ 2.33GHz stepping 0b
[ 0.060003] Performance Events: PEBS fmt0+, 4-deep LBR, Core2 events, Intel
PMU driver.
[ 0.060003] PEBS disabled due to CPU errata.
[ 0.060003] ... version:                2
[ 0.060003] ... bit width:                  40
[ 0.060003] ... generic registers:          2

```

```
[ 0.060003] ... value mask:          000000ffffffffffff
[ 0.060003] ... max period:          000000007fffffffff
[ 0.060003] ... fixed-purpose events:    3
[ 0.060003] ... event mask:            0000000700000003
[ 0.068053] NMI watchdog: enabled, takes one hw-pmu counter.
[ 0.080023] CPU 1 irqstacks, hard=f40b4000 soft=f40b6000
[ 0.080026] Booting Node 0, Processors #1 Ok.
[ 0.008000] Initializing CPU#1
[ 0.008000] CPU1: Thermal monitoring handled by SMI
[ 0.092040] NMI watchdog: enabled, takes one hw-pmu counter.
[ 0.092166] Brought up 2 CPUs
[ 0.092206] Total of 2 processors activated (9309.62 BogoMIPS).
[ 0.093956] devtmpfs: initialized
[ 0.093956] PM: Registering ACPI NVS region [mem 0xbe5c9000-0xbe5cbfff]
(12288 bytes)
[ 0.093956] dummy:
[ 0.093956] NET: Registered protocol family 16
[ 0.093956] ACPI: bus type pci registered
[ 0.096066] PCI: MMCONFIG for domain 0000 [bus 00-10] at [mem 0xe0000000-
0xe10fffff] (base 0xe0000000)
[ 0.096132] PCI: MMCONFIG at [mem 0xe0000000-0xe10fffff] reserved in E820
[ 0.096178] PCI: Using MMCONFIG for extended config space
[ 0.096222] PCI: Using configuration type 1 for base access
[ 0.096810] bio: create slab <bio-0> at 0
[ 0.096810] ACPI: Added _OSI(Module Device)
[ 0.096810] ACPI: Added _OSI(Processor Device)
[ 0.096810] ACPI: Added _OSI(3.0 _SCP Extensions)
[ 0.096810] ACPI: Added _OSI(Processor Aggregator Device)
[ 0.097980] ACPI: EC: Look up EC in DSDT
[ 0.103786] ACPI: SSDT be5bf497 001DD (v01 PmRef Cpu0Ist 00003000 INTL
20050228)
[ 0.104334] ACPI: Dynamic OEM Table Load:
[ 0.104413] ACPI: SSDT (null) 001DD (v01 PmRef Cpu0Ist 00003000 INTL
20050228)
[ 0.105080] ACPI: SSDT be5bf674 0016E (v01 PmRef Cpu1Ist 00003000 INTL
20050228)
[ 0.105617] ACPI: Dynamic OEM Table Load:
[ 0.105695] ACPI: SSDT (null) 0016E (v01 PmRef Cpu1Ist 00003000 INTL
20050228)
[ 0.106092] ACPI: Interpreter enabled
[ 0.106139] ACPI: (supports S0 S3 S4 S5)
[ 0.106272] ACPI: Using IOAPIC for interrupt routing
[ 0.114058] ACPI: No dock devices found.
[ 0.114104] PCI: Using host bridge windows from ACPI; if necessary, use
"pci=nocrs" and report a bug
[ 0.115054] ACPI Error: [CAPB] Namespace lookup failure, AE_ALREADY_EXISTS
(20120320/dsfield-143)
[ 0.115178] ACPI Error: Method parse/execution failed [_SB_.PCI0._OSC] (Node
f403b6b0), AE_ALREADY_EXISTS (20120320/psparse-536)
[ 0.115326] ACPI: Marking method _OSC as Serialized because of
AE_ALREADY_EXISTS error
[ 0.115430] ACPI: PCI Root Bridge [PCI0] (domain 0000 [bus 00-3f])
[ 0.117059] pci_root PNP0A03:00: host bridge window [io 0x0000-0x0cf7]
[ 0.117107] pci_root PNP0A03:00: host bridge window [mem 0x000a0000-
0x000bffff]
[ 0.117168] pci_root PNP0A03:00: host bridge window [mem 0x000d0000-
0x000d3fff]
[ 0.117229] pci_root PNP0A03:00: host bridge window [mem 0x000d4000-
0x000d7fff]
[ 0.117289] pci_root PNP0A03:00: host bridge window [mem 0x000d8000-
0x000dbfff]
[ 0.117350] pci_root PNP0A03:00: host bridge window [mem 0x000dc000-
0x000dffff]
[ 0.117411] pci_root PNP0A03:00: host bridge window [mem 0xbf000000-
```

```
0xffffffffe]
[ 0.117472] pci_root PNP0A03:00: host bridge window [io 0x0d00-0xfdf]
[ 0.117519] pci_root PNP0A03:00: host bridge window [mem 0xfed40000-
0xfed4ffff]
[ 0.117580] pci_root PNP0A03:00: host bridge window expanded to [mem
0xbf000000-0xffffffffe]; [mem 0xfed40000-0xfed4ffff] ignored
[ 0.117690] PCI host bridge to bus 0000:00
[ 0.117732] pci_bus 0000:00: root bus resource [io 0x0000-0x0cf7]
[ 0.117778] pci_bus 0000:00: root bus resource [mem 0x000a0000-0x000bffff]
[ 0.117826] pci_bus 0000:00: root bus resource [mem 0x000d0000-0x000d3fff]
[ 0.117873] pci_bus 0000:00: root bus resource [mem 0x000d4000-0x000d7fff]
[ 0.117920] pci_bus 0000:00: root bus resource [mem 0x000d8000-0x000dbfff]
[ 0.117967] pci_bus 0000:00: root bus resource [mem 0x000dc000-0x000dffff]
[ 0.118014] pci_bus 0000:00: root bus resource [mem 0xbf000000-0xffffffffe]
[ 0.118060] pci_bus 0000:00: root bus resource [io 0x0d00-0xfdf]
[ 0.118116] pci 0000:00:00.0: [8086:29b0] type 00 class 0x060000
[ 0.118158] pci 0000:00:02.0: [8086:29b2] type 00 class 0x030000
[ 0.118170] pci 0000:00:02.0: reg 10: [mem 0xd0100000-0xd017ffff]
[ 0.118177] pci 0000:00:02.0: reg 14: [io 0x1c50-0x1c57]
[ 0.118183] pci 0000:00:02.0: reg 18: [mem 0xc0000000-0xcfffffff pref]
[ 0.118189] pci 0000:00:02.0: reg 1c: [mem 0xd0000000-0xd00ffff]
[ 0.118225] pci 0000:00:02.1: [8086:29b3] type 00 class 0x038000
[ 0.118234] pci 0000:00:02.1: reg 10: [mem 0x00000000-0x0007ffff]
[ 0.118283] pci 0000:00:03.0: [8086:29b4] type 00 class 0x078000
[ 0.118299] pci 0000:00:03.0: reg 10: [mem 0xd03a6800-0xd03a680f 64bit]
[ 0.118338] pci 0000:00:03.0: PME# supported from D0 D3hot D3cold
[ 0.118356] pci 0000:00:03.2: [8086:29b6] type 00 class 0x010185
[ 0.118369] pci 0000:00:03.2: reg 10: [io 0x1c68-0x1c6f]
[ 0.118376] pci 0000:00:03.2: reg 14: [io 0x1c5c-0x1c5f]
[ 0.118383] pci 0000:00:03.2: reg 18: [io 0x1c60-0x1c67]
[ 0.118390] pci 0000:00:03.2: reg 1c: [io 0x1c58-0x1c5b]
[ 0.118397] pci 0000:00:03.2: reg 20: [io 0x1c40-0x1c4f]
[ 0.118435] pci 0000:00:03.3: [8086:29b7] type 00 class 0x070002
[ 0.118448] pci 0000:00:03.3: reg 10: [io 0x1c70-0x1c77]
[ 0.118456] pci 0000:00:03.3: reg 14: [mem 0xd01a4000-0xd01a4fff]
[ 0.118535] pci 0000:00:19.0: [8086:10bd] type 00 class 0x020000
[ 0.118554] pci 0000:00:19.0: reg 10: [mem 0xd0180000-0xd019ffff]
[ 0.118563] pci 0000:00:19.0: reg 14: [mem 0xd01a5000-0xd01a5fff]
[ 0.118572] pci 0000:00:19.0: reg 18: [io 0x1820-0x183f]
[ 0.118623] pci 0000:00:19.0: PME# supported from D0 D3hot D3cold
[ 0.118646] pci 0000:00:1a.0: [8086:2937] type 00 class 0x0c0300
[ 0.118700] pci 0000:00:1a.0: reg 20: [io 0x1840-0x185f]
[ 0.118752] pci 0000:00:1a.1: [8086:2938] type 00 class 0x0c0300
[ 0.118796] pci 0000:00:1a.1: reg 20: [io 0x1860-0x187f]
[ 0.118841] pci 0000:00:1a.2: [8086:2939] type 00 class 0x0c0300
[ 0.118885] pci 0000:00:1a.2: reg 20: [io 0x1880-0x189f]
[ 0.118940] pci 0000:00:1a.7: [8086:293c] type 00 class 0x0c0320
[ 0.118962] pci 0000:00:1a.7: reg 10: [mem 0xd03a7000-0xd03a73ff]
[ 0.119037] pci 0000:00:1a.7: PME# supported from D0 D3hot D3cold
[ 0.119063] pci 0000:00:1b.0: [8086:293e] type 00 class 0x040300
[ 0.119079] pci 0000:00:1b.0: reg 10: [mem 0xd01a0000-0xd01a3fff 64bit]
[ 0.119135] pci 0000:00:1b.0: PME# supported from D0 D3hot D3cold
[ 0.119160] pci 0000:00:1d.0: [8086:2934] type 00 class 0x0c0300
[ 0.119204] pci 0000:00:1d.0: reg 20: [io 0x18a0-0x18bf]
[ 0.119249] pci 0000:00:1d.1: [8086:2935] type 00 class 0x0c0300
[ 0.119293] pci 0000:00:1d.1: reg 20: [io 0x18c0-0x18df]
[ 0.119340] pci 0000:00:1d.2: [8086:2936] type 00 class 0x0c0300
[ 0.119384] pci 0000:00:1d.2: reg 20: [io 0x18e0-0x18ff]
[ 0.119438] pci 0000:00:1d.7: [8086:293a] type 00 class 0x0c0320
[ 0.119460] pci 0000:00:1d.7: reg 10: [mem 0xd03a7400-0xd03a77ff]
[ 0.119535] pci 0000:00:1d.7: PME# supported from D0 D3hot D3cold
[ 0.119558] pci 0000:00:1e.0: [8086:244e] type 01 class 0x060401
[ 0.119615] pci 0000:00:1f.0: [8086:2914] type 00 class 0x060100
[ 0.119696] pci 0000:00:1f.0: quirk: [io 0x1000-0x107f] claimed by ICH6
```

## ACPI/GPIO/TCO

```
[ 0.119761] pci 0000:00:1f.0: quirk: [io 0x1180-0x11bf] claimed by ICH6 GPIO
[ 0.119810] pci 0000:00:1f.0: ICH7 LPC Generic IO decode 1 PIO at 0500 (mask
007f)
[ 0.119911] pci 0000:00:1f.2: [8086:2922] type 00 class 0x010601
[ 0.119931] pci 0000:00:1f.2: reg 10: [io 0x1c88-0x1c8f]
[ 0.119939] pci 0000:00:1f.2: reg 14: [io 0x1c7c-0x1c7f]
[ 0.119948] pci 0000:00:1f.2: reg 18: [io 0x1c80-0x1c87]
[ 0.119956] pci 0000:00:1f.2: reg 1c: [io 0x1c78-0x1c7b]
[ 0.119965] pci 0000:00:1f.2: reg 20: [io 0x1c00-0x1c1f]
[ 0.119973] pci 0000:00:1f.2: reg 24: [mem 0xd03a6000-0xd03a67ff]
[ 0.120021] pci 0000:00:1f.2: PME# supported from D3hot
[ 0.120039] pci 0000:00:1f.3: [8086:2930] type 00 class 0x0c0500
[ 0.120055] pci 0000:00:1f.3: reg 10: [mem 0xd03a7800-0xd03a78ff 64bit]
[ 0.120077] pci 0000:00:1f.3: reg 20: [io 0x1c20-0x1c3f]
[ 0.120164] pci 0000:00:1e.0: PCI bridge to [bus 11-11] (subtractive decode)
[ 0.120219] pci 0000:00:1e.0: bridge window [io 0x0000-0x0cf7]
(subtractive decode)
[ 0.120223] pci 0000:00:1e.0: bridge window [mem 0x000a0000-0x000bffff]
(subtractive decode)
[ 0.120226] pci 0000:00:1e.0: bridge window [mem 0x000d0000-0x000d3fff]
(subtractive decode)
[ 0.120229] pci 0000:00:1e.0: bridge window [mem 0x000d4000-0x000d7fff]
(subtractive decode)
[ 0.120231] pci 0000:00:1e.0: bridge window [mem 0x000d8000-0x000dbfff]
(subtractive decode)
[ 0.120234] pci 0000:00:1e.0: bridge window [mem 0x000dc000-0x000dffff]
(subtractive decode)
[ 0.120237] pci 0000:00:1e.0: bridge window [mem 0xbf000000-0xfffffffffe]
(subtractive decode)
[ 0.120240] pci 0000:00:1e.0: bridge window [io 0x0d00-0xfdf]
(subtractive decode)
[ 0.120248] pci_bus 0000:00: on NUMA node 0
[ 0.120252] ACPI: PCI Interrupt Routing Table [_SB_.PCI0._PRT]
[ 0.120656] ACPI: PCI Interrupt Routing Table [_SB_.PCI0.PCI0.PCI0.PRT]
[ 0.120877] ACPI Error: [CAPB] Namespace lookup failure, AE_ALREADY_EXISTS
(20120320/dsfield-143)
[ 0.121001] ACPI Error: Method parse/execution failed [_SB_.PCI0._OSC] (Node
f403b6b0), AE_ALREADY_EXISTS (20120320/psparse-536)
[ 0.121152] pci0000:00: Unable to request _OSC control (_OSC support mask:
0x0f)
[ 0.133527] ACPI: PCI Interrupt Link [LNKA] (IRQs *3 4 5 6 7 10 11 12 14 15)
[ 0.133855] ACPI: PCI Interrupt Link [LNKB] (IRQs 3 4 5 6 7 *10 11 12 14 15)
[ 0.134180] ACPI: PCI Interrupt Link [LNKC] (IRQs 3 4 *5 6 7 10 11 12 14 15)
[ 0.134505] ACPI: PCI Interrupt Link [LNKD] (IRQs 3 4 5 6 7 10 *11 12 14 15)
[ 0.134835] ACPI: PCI Interrupt Link [LNKE] (IRQs 3 4 5 6 7 10 11 12 14 15)
*0, disabled.
[ 0.135215] ACPI: PCI Interrupt Link [LNKF] (IRQs 3 4 5 6 7 10 11 12 14 15)
*0, disabled.
[ 0.135597] ACPI: PCI Interrupt Link [LNKG] (IRQs 3 4 5 6 7 10 11 12 14 15)
*0, disabled.
[ 0.135979] ACPI: PCI Interrupt Link [LNKH] (IRQs 3 4 5 6 7 10 11 12 14 15)
*0, disabled.
[ 0.136360] vgaarb: device added:
PCI:0000:00:02.0, decodes=io+mem, owns=io+mem, locks=none
[ 0.136360] vgaarb: loaded
[ 0.136360] vgaarb: bridge control possible 0000:00:02.0
[ 0.136360] PCI: Using ACPI for IRQ routing
[ 0.136630] PCI: pci_cache_line_size set to 64 bytes
[ 0.136706] Expanded resource reserved due to conflict with PCI Bus 0000:00
[ 0.136754] Expanded resource reserved due to conflict with reserved
[ 0.136800] reserve RAM buffer: 0000000000009e000 - 0000000000009ffff
[ 0.136803] reserve RAM buffer: 000000000be5b0000 - 000000000bfffffff
[ 0.136934] hpet0: at MMIO 0xfed00000, IRQs 2, 8, 0, 0
```

```
[ 0.137073] hpet0: 4 comparators, 64-bit 14.318180 MHz counter
[ 0.139132] Switching to clocksource hpet
[ 0.139226] pnp: PnP ACPI init
[ 0.139276] ACPI: bus type pnp registered
[ 0.139276] pnp 00:00: [bus 00-3f]
[ 0.139276] pnp 00:00: [io 0x0cf8-0x0cff]
[ 0.139276] pnp 00:00: [io 0x0000-0x0cf7 window]
[ 0.139276] pnp 00:00: [mem 0x000a0000-0x000bffff window]
[ 0.139276] pnp 00:00: [mem 0x000c0000-0x000c3fff window]
[ 0.139276] pnp 00:00: [mem 0x000c4000-0x000c7fff window]
[ 0.139276] pnp 00:00: [mem 0x000c8000-0x000cbfff window]
[ 0.139276] pnp 00:00: [mem 0x000cc000-0x000cffff window]
[ 0.139276] pnp 00:00: [mem 0x000d0000-0x000d3fff window]
[ 0.139276] pnp 00:00: [mem 0x000d4000-0x000d7fff window]
[ 0.139276] pnp 00:00: [mem 0x000d8000-0x000dbfff window]
[ 0.139276] pnp 00:00: [mem 0x000dc000-0x000dffff window]
[ 0.139276] pnp 00:00: [mem 0x000e0000-0x000e3fff window]
[ 0.139276] pnp 00:00: [mem 0x000e4000-0x000e7fff window]
[ 0.139276] pnp 00:00: [mem 0x000e8000-0x000ebfff window]
[ 0.139276] pnp 00:00: [mem 0x000ec000-0x000effff window]
[ 0.139276] pnp 00:00: [mem 0x000f0000-0x000fffff window]
[ 0.139276] pnp 00:00: [mem 0xbf000000-0xffffffffe window]
[ 0.139276] pnp 00:00: [io 0x0d00-0xfdff window]
[ 0.139276] pnp 00:00: [mem 0x00000000 window]
[ 0.139276] pnp 00:00: [mem 0xfed40000-0xfed4ffff window]
[ 0.139276] pnp 00:00: Plug and Play ACPI device, IDs PNP0a03 (active)
[ 0.139276] pnp 00:01: [io 0x0010-0x001f]
[ 0.139276] pnp 00:01: [io 0x0024-0x0025]
[ 0.139276] pnp 00:01: [io 0x0028-0x0029]
[ 0.139276] pnp 00:01: [io 0x002c-0x002d]
[ 0.139276] pnp 00:01: [io 0x0030-0x0031]
[ 0.139276] pnp 00:01: [io 0x0034-0x0035]
[ 0.139276] pnp 00:01: [io 0x0038-0x0039]
[ 0.139276] pnp 00:01: [io 0x003c-0x003d]
[ 0.139276] pnp 00:01: [io 0x0072-0x0077]
[ 0.139276] pnp 00:01: [io 0x0080]
[ 0.139276] pnp 00:01: [io 0x0090-0x009f]
[ 0.139276] pnp 00:01: [io 0x00a4-0x00a5]
[ 0.139276] pnp 00:01: [io 0x00a8-0x00a9]
[ 0.139276] pnp 00:01: [io 0x00ac-0x00ad]
[ 0.139276] pnp 00:01: [io 0x00b0-0x00b5]
[ 0.139276] pnp 00:01: [io 0x00b8-0x00b9]
[ 0.139276] pnp 00:01: [io 0x00bc-0x00bd]
[ 0.139276] pnp 00:01: [io 0x0110-0x0117]
[ 0.139276] pnp 00:01: [io 0x0500-0x057f]
[ 0.139276] pnp 00:01: [io 0x0800-0x080f]
[ 0.139276] pnp 00:01: [io 0x1000-0x107f]
[ 0.139276] pnp 00:01: [io 0x1180-0x11bf]
[ 0.139276] pnp 00:01: [io 0x002e-0x002f]
[ 0.139276] pnp 00:01: [io 0x04d0-0x04d1]
[ 0.139276] pnp 00:01: [io 0xfe00]
[ 0.139276] pnp 00:01: [mem 0xfed11000-0xfed11fff]
[ 0.139276] pnp 00:01: [mem 0xfed14000-0xfed17fff]
[ 0.139276] pnp 00:01: [mem 0xfed18000-0xfed1ffff]
[ 0.139276] pnp 00:01: [mem 0xe0000000-0xffffffff]
[ 0.139276] pnp 00:01: [mem 0xfed20000-0xfed3ffff]
[ 0.139276] pnp 00:01: [mem 0xfed45000-0xfed8ffff]
[ 0.139276] pnp 00:01: [mem 0xfef00000-0xfef0ffff]
[ 0.139276] pnp 00:01: [mem 0xfef00000-0xfefffffff]
[ 0.139276] system 00:01: [io 0x0110-0x0117] has been reserved
[ 0.139276] system 00:01: [io 0x0500-0x057f] has been reserved
[ 0.139276] system 00:01: [io 0x0800-0x080f] has been reserved
[ 0.139276] system 00:01: [io 0x1000-0x107f] has been reserved
[ 0.139276] system 00:01: [io 0x1180-0x11bf] has been reserved
```

```
[ 0.139276] system 00:01: [io 0x04d0-0x04d1] has been reserved
[ 0.139276] system 00:01: [io 0xfe00] has been reserved
[ 0.139276] system 00:01: [mem 0xfed11000-0xfed11fff] has been reserved
[ 0.139276] system 00:01: [mem 0xfed14000-0xfed17fff] has been reserved
[ 0.139276] system 00:01: [mem 0xfed18000-0xfed1ffff] has been reserved
[ 0.139276] system 00:01: [mem 0xe0000000-0xffffffff] has been reserved
[ 0.139276] system 00:01: [mem 0xfed20000-0xfed3ffff] has been reserved
[ 0.139276] system 00:01: [mem 0xfed45000-0xfed8ffff] has been reserved
[ 0.139276] system 00:01: [mem 0xfef00000-0xfef00fff] has been reserved
[ 0.139276] system 00:01: [mem 0xfef00000-0xfefffffff] has been reserved
[ 0.139276] system 00:01: Plug and Play ACPI device, IDs PNP0c02 (active)
[ 0.139276] pnp 00:02: [io 0x0000-0x000f]
[ 0.139276] pnp 00:02: [io 0x0081-0x008f]
[ 0.139276] pnp 00:02: [io 0x00c0-0x00df]
[ 0.139276] pnp 00:02: [dma 4]
[ 0.139276] pnp 00:02: Plug and Play ACPI device, IDs PNP0200 (active)
[ 0.139276] pnp 00:03: [io 0x00f0-0x00fe]
[ 0.139276] pnp 00:03: [irq 13]
[ 0.139276] pnp 00:03: Plug and Play ACPI device, IDs PNP0c04 (active)
[ 0.139276] pnp 00:04: [irq 0 disabled]
[ 0.139276] pnp 00:04: [irq 8]
[ 0.139276] pnp 00:04: [mem 0xfed00000-0xfed003ff]
[ 0.139276] pnp 00:04: Plug and Play ACPI device, IDs PNP0103 (active)
[ 0.139276] pnp 00:05: [io 0x0070-0x0071]
[ 0.139276] pnp 00:05: Plug and Play ACPI device, IDs PNP0b00 (active)
[ 0.139276] pnp 00:06: [io 0x0061]
[ 0.139276] pnp 00:06: Plug and Play ACPI device, IDs PNP0800 (active)
[ 0.139276] pnp 00:07: [mem 0xff800000-0xffffffff]
[ 0.139276] pnp 00:07: Plug and Play ACPI device, IDs INT0800 (active)
[ 0.139276] pnp 00:08: [io 0x03f8-0x03ff]
[ 0.139276] pnp 00:08: [irq 4]
[ 0.139276] pnp 00:08: Plug and Play ACPI device, IDs PNP0501 (active)
[ 0.139452] pnp 00:09: [io 0x03f0-0x03f5]
[ 0.139455] pnp 00:09: [io 0x03f7]
[ 0.139461] pnp 00:09: [irq 6]
[ 0.139463] pnp 00:09: [dma 2]
[ 0.139526] pnp 00:09: Plug and Play ACPI device, IDs PNP0700 (active)
[ 0.139740] pnp 00:0a: [io 0x0378-0x037f]
[ 0.139745] pnp 00:0a: [irq 7]
[ 0.139817] pnp 00:0a: Plug and Play ACPI device, IDs PNP0400 (active)
[ 0.140135] pnp 00:0b: [io 0x0060]
[ 0.140138] pnp 00:0b: [io 0x0064]
[ 0.140143] pnp 00:0b: [irq 1]
[ 0.140196] pnp 00:0b: Plug and Play ACPI device, IDs PNP0303 (active)
[ 0.140262] pnp 00:0c: [irq 12]
[ 0.140314] pnp 00:0c: Plug and Play ACPI device, IDs PNP0f13 (active)
[ 0.140417] system 00:0d: Plug and Play ACPI device, IDs PNP0c02 (active)
[ 0.140431] pnp 00:0e: [mem 0xfed40000-0xfed44fff]
[ 0.140480] pnp 00:0e: Plug and Play ACPI device, IDs WEC1000 PNP0c31
(active)
[ 0.140544] pnp: PnP ACPI: found 15 devices
[ 0.140585] ACPI: ACPI bus type pnp unregistered
[ 0.140628] PnPBIOS: Disabled by ACPI PNP
[ 0.177545] pci 0000:00:02.1: BAR 0: assigned [mem 0xd0200000-0xd027ffff]
[ 0.177595] pci 0000:00:1e.0: PCI bridge to [bus 11-11]
[ 0.177653] pci 0000:00:1e.0: setting latency timer to 64
[ 0.177657] pci_bus 0000:00: resource 4 [io 0x0000-0x0cf7]
[ 0.177660] pci_bus 0000:00: resource 5 [mem 0x000a0000-0x000bffff]
[ 0.177663] pci_bus 0000:00: resource 6 [mem 0x000d0000-0x000d3fff]
[ 0.177666] pci_bus 0000:00: resource 7 [mem 0x000d4000-0x000d7fff]
[ 0.177668] pci_bus 0000:00: resource 8 [mem 0x000d8000-0x000dbfff]
[ 0.177671] pci_bus 0000:00: resource 9 [mem 0x000dc000-0x000dffff]
[ 0.177673] pci_bus 0000:00: resource 10 [mem 0xbf000000-0xffffffffe]
[ 0.177676] pci_bus 0000:00: resource 11 [io 0x0d00-0xfdf]
```

```
[ 0.177679] pci_bus 0000:11: resource 4 [io 0x0000-0x0cf7]
[ 0.177681] pci_bus 0000:11: resource 5 [mem 0x000a0000-0x000bffff]
[ 0.177684] pci_bus 0000:11: resource 6 [mem 0x000d0000-0x000d3fff]
[ 0.177686] pci_bus 0000:11: resource 7 [mem 0x000d4000-0x000d7fff]
[ 0.177689] pci_bus 0000:11: resource 8 [mem 0x000d8000-0x000dbfff]
[ 0.177692] pci_bus 0000:11: resource 9 [mem 0x000dc000-0x000dffff]
[ 0.177694] pci_bus 0000:11: resource 10 [mem 0xbf000000-0xffffffffe]
[ 0.177697] pci_bus 0000:11: resource 11 [io 0x0d00-0xfdf]
[ 0.177771] NET: Registered protocol family 2
[ 0.177870] IP route cache hash table entries: 32768 (order: 5, 131072 bytes)
[ 0.178092] TCP established hash table entries: 131072 (order: 8, 1048576
bytes)
[ 0.178488] TCP bind hash table entries: 65536 (order: 7, 524288 bytes)
[ 0.178703] TCP: Hash tables configured (established 131072 bind 65536)
[ 0.178750] TCP: reno registered
[ 0.178789] UDP hash table entries: 512 (order: 2, 16384 bytes)
[ 0.178841] UDP-Lite hash table entries: 512 (order: 2, 16384 bytes)
[ 0.178964] NET: Registered protocol family 1
[ 0.179018] pci 0000:00:02.0: Boot video device
[ 0.179225] PCI: CLS 32 bytes, default 64
[ 0.179272] Unpacking initramfs...
[ 0.469386] Freeing initrd memory: 14256k freed
[ 0.475712] Simple Boot Flag at 0x44 set to 0x1
[ 0.476301] audit: initializing netlink socket (disabled)
[ 0.476360] type=2000 audit(1535717231.472:1): initialized
[ 0.488065] highmem bounce pool size: 64 pages
[ 0.488110] HugeTLB registered 4 MB page size, pre-allocated 0 pages
[ 0.488343] VFS: Disk quotas dquot_6.5.2
[ 0.488410] Dquot-cache hash table entries: 1024 (order 0, 4096 bytes)
[ 0.488533] msgmni has been set to 1702
[ 0.488749] alg: No test for stdrng (krng)
[ 0.488816] Block layer SCSI generic (bsg) driver version 0.4 loaded (major
253)
[ 0.488878] io scheduler noop registered
[ 0.488917] io scheduler deadline registered
[ 0.488974] io scheduler cfq registered (default)
[ 0.489110] pci_hotplug: PCI Hot Plug PCI Core version: 0.5
[ 0.489171] pciehp: PCI Express Hot Plug Controller Driver version: 0.4
[ 0.489216] acpihp: ACPI Hot Plug PCI Controller Driver version: 0.5
[ 0.489794] GHES: HEST is not enabled!
[ 0.489846] isapnp: Scanning for PnP cards...
[ 0.842876] isapnp: No Plug & Play device found
[ 0.842972] Serial: 8250/16550 driver, 4 ports, IRQ sharing enabled
[ 0.863378] serial8250: ttyS0 at I/O 0x3f8 (irq = 4) is a 16550A
[ 0.884081] 00:08: ttyS0 at I/O 0x3f8 (irq = 4) is a 16550A
[ 0.904351] 0000:00:03.3: ttyS1 at I/O 0x1c70 (irq = 17) is a 16550A
[ 0.904612] Linux agpgart interface v0.103
[ 0.904768] agpgart-intel 0000:00:00.0: Intel Q35 Chipset
[ 0.904874] agpgart-intel 0000:00:00.0: detected gtt size: 524288K total,
262144K mappable
[ 0.906380] agpgart-intel 0000:00:00.0: detected 8192K stolen memory
[ 0.906549] agpgart-intel 0000:00:00.0: AGP aperture is 256M @ 0xc0000000
[ 0.906750] i8042: PNP: PS/2 Controller [PNP0303:KBC0,PNP0f13:MSE0] at
0x60,0x64 irq 1,12
[ 0.909769] serio: i8042 KBD port at 0x60,0x64 irq 1
[ 0.909823] serio: i8042 AUX port at 0x60,0x64 irq 12
[ 0.910011] mousedev: PS/2 mouse device common for all mice
[ 0.910087] rtc_cmos 00:05: RTC can wake from S4
[ 0.910245] rtc_cmos 00:05: rtc core: registered rtc_cmos as rtc0
[ 0.910310] rtc0: alarms up to one month, y3k, 114 bytes nvram, hpet irqs
[ 0.910491] TCP: cubic registered
[ 0.910581] NET: Registered protocol family 10
[ 0.910846] Mobile IPv6
[ 0.910884] NET: Registered protocol family 17
```

```
[ 0.910927] Registering the dns_resolver key type
[ 0.911017] Using IPI No-Shortcut mode
[ 0.911159] PM: Hibernation image not present or could not be loaded.
[ 0.911175] registered taskstats version 1
[ 0.911566] rtc_cmos 00:05: setting system clock to 2018-08-31 12:07:12 UTC
(1535717232)
[ 0.911723] Freeing unused kernel memory: 416k freed
[ 0.911926] Write protecting the kernel text: 3496k
[ 0.911989] Write protecting the kernel read-only data: 984k
[ 0.923406] udevd[49]: starting version 175
[ 0.932593] input: AT Translated Set 2 keyboard as
/devices/platform/i8042/serio0/input/input0
[ 0.987826] usbcore: registered new interface driver usbfs
[ 0.987899] usbcore: registered new interface driver hub
[ 0.988663] usbcore: registered new device driver usb
[ 0.989098] ehci_hcd: USB 2.0 'Enhanced' Host Controller (EHCI) Driver
[ 0.989205] ehci_hcd 0000:00:1a.7: setting latency timer to 64
[ 0.989209] ehci_hcd 0000:00:1a.7: EHCI Host Controller
[ 0.989271] ehci_hcd 0000:00:1a.7: new USB bus registered, assigned bus
number 1
[ 0.989356] ehci_hcd 0000:00:1a.7: debug port 1
[ 0.993305] ehci_hcd 0000:00:1a.7: cache line size of 32 is not supported
[ 0.993332] ehci_hcd 0000:00:1a.7: irq 18, io mem 0xd03a7000
[ 0.998445] SCSI subsystem initialized
[ 1.004069] ehci_hcd 0000:00:1a.7: USB 2.0 started, EHCI 1.00
[ 1.004148] usb usb1: New USB device found, idVendor=1d6b, idProduct=0002
[ 1.004196] usb usb1: New USB device strings: Mfr=3, Product=2,
SerialNumber=1
[ 1.004255] usb usb1: Product: EHCI Host Controller
[ 1.004298] usb usb1: Manufacturer: Linux 3.4-9-rtai-686-pae ehci_hcd
[ 1.004343] usb usb1: SerialNumber: 0000:00:1a.7
[ 1.004506] hub 1-0:1.0: USB hub found
[ 1.004550] hub 1-0:1.0: 6 ports detected
[ 1.004719] ehci_hcd 0000:00:1d.7: setting latency timer to 64
[ 1.004723] ehci_hcd 0000:00:1d.7: EHCI Host Controller
[ 1.004785] ehci_hcd 0000:00:1d.7: new USB bus registered, assigned bus
number 2
[ 1.005492] uhci_hcd: USB Universal Host Controller Interface driver
[ 1.005511] ehci_hcd 0000:00:1d.7: debug port 1
[ 1.020114] microcode: CPU0 sig=0x6fb, pf=0x1, revision=0xb6
[ 1.022717] e1000e: Intel(R) PRO/1000 Network Driver - 1.9.5-k
[ 1.022765] e1000e: Copyright(c) 1999 - 2012 Intel Corporation.
[ 1.026486] ehci_hcd 0000:00:1d.7: cache line size of 32 is not supported
[ 1.026513] ehci_hcd 0000:00:1d.7: irq 16, io mem 0xd03a7400
[ 1.026603] libata version 3.00 loaded.
[ 1.036025] ehci_hcd 0000:00:1d.7: USB 2.0 started, EHCI 1.00
[ 1.036104] usb usb2: New USB device found, idVendor=1d6b, idProduct=0002
[ 1.036151] usb usb2: New USB device strings: Mfr=3, Product=2,
SerialNumber=1
[ 1.036210] usb usb2: Product: EHCI Host Controller
[ 1.036253] usb usb2: Manufacturer: Linux 3.4-9-rtai-686-pae ehci_hcd
[ 1.036298] usb usb2: SerialNumber: 0000:00:1d.7
[ 1.036460] hub 2-0:1.0: USB hub found
[ 1.036506] hub 2-0:1.0: 6 ports detected
[ 1.036672] uhci_hcd 0000:00:1a.0: setting latency timer to 64
[ 1.036679] uhci_hcd 0000:00:1a.0: UHCI Host Controller
[ 1.036732] uhci_hcd 0000:00:1a.0: new USB bus registered, assigned bus
number 3
[ 1.036827] uhci_hcd 0000:00:1a.0: irq 16, io base 0x00001840
[ 1.037010] usb usb3: New USB device found, idVendor=1d6b, idProduct=0001
[ 1.037058] usb usb3: New USB device strings: Mfr=3, Product=2,
SerialNumber=1
[ 1.037118] usb usb3: Product: UHCI Host Controller
[ 1.037160] usb usb3: Manufacturer: Linux 3.4-9-rtai-686-pae uhci_hcd
```

```

[ 1.037206] usb usb3: SerialNumber: 0000:00:1a.0
[ 1.037359] hub 3-0:1.0: USB hub found
[ 1.037405] hub 3-0:1.0: 2 ports detected
[ 1.037545] uhci_hcd 0000:00:1a.1: setting latency timer to 64
[ 1.037549] uhci_hcd 0000:00:1a.1: UHCI Host Controller
[ 1.037600] uhci_hcd 0000:00:1a.1: new USB bus registered, assigned bus
number 4
[ 1.037696] uhci_hcd 0000:00:1a.1: irq 17, io base 0x00001860
[ 1.037775] usb usb4: New USB device found, idVendor=1d6b, idProduct=0001
[ 1.037824] usb usb4: New USB device strings: Mfr=3, Product=2,
SerialNumber=1
[ 1.037887] usb usb4: Product: UHCI Host Controller
[ 1.037930] usb usb4: Manufacturer: Linux 3.4-9-rtai-686-pae uhci_hcd
[ 1.037977] usb usb4: SerialNumber: 0000:00:1a.1
[ 1.038124] hub 4-0:1.0: USB hub found
[ 1.038168] hub 4-0:1.0: 2 ports detected
[ 1.038302] uhci_hcd 0000:00:1a.2: setting latency timer to 64
[ 1.038305] uhci_hcd 0000:00:1a.2: UHCI Host Controller
[ 1.038356] uhci_hcd 0000:00:1a.2: new USB bus registered, assigned bus
number 5
[ 1.038436] uhci_hcd 0000:00:1a.2: irq 18, io base 0x00001880
[ 1.038512] usb usb5: New USB device found, idVendor=1d6b, idProduct=0001
[ 1.038558] usb usb5: New USB device strings: Mfr=3, Product=2,
SerialNumber=1
[ 1.038618] usb usb5: Product: UHCI Host Controller
[ 1.038660] usb usb5: Manufacturer: Linux 3.4-9-rtai-686-pae uhci_hcd
[ 1.038705] usb usb5: SerialNumber: 0000:00:1a.2
[ 1.038852] hub 5-0:1.0: USB hub found
[ 1.038895] hub 5-0:1.0: 2 ports detected
[ 1.039027] uhci_hcd 0000:00:1d.0: setting latency timer to 64
[ 1.039031] uhci_hcd 0000:00:1d.0: UHCI Host Controller
[ 1.039082] uhci_hcd 0000:00:1d.0: new USB bus registered, assigned bus
number 6
[ 1.039165] uhci_hcd 0000:00:1d.0: irq 16, io base 0x000018a0
[ 1.039241] usb usb6: New USB device found, idVendor=1d6b, idProduct=0001
[ 1.039288] usb usb6: New USB device strings: Mfr=3, Product=2,
SerialNumber=1
[ 1.039347] usb usb6: Product: UHCI Host Controller
[ 1.039390] usb usb6: Manufacturer: Linux 3.4-9-rtai-686-pae uhci_hcd
[ 1.039435] usb usb6: SerialNumber: 0000:00:1d.0
[ 1.040073] hub 6-0:1.0: USB hub found
[ 1.040119] hub 6-0:1.0: 2 ports detected
[ 1.040258] e1000e 0000:00:19.0: setting latency timer to 64
[ 1.040330] e1000e 0000:00:19.0: (unregistered net_device): Interrupt
Throttling Rate (ints/sec) set to dynamic conservative mode
[ 1.080007] microcode: CPU0 updated to revision 0xba, date = 2010-10-03
[ 1.083763] microcode: CPU1 sig=0x6fb, pf=0x1, revision=0xb6
[ 1.090330] microcode: CPU1 updated to revision 0xba, date = 2010-10-03
[ 1.093256] microcode: Microcode Update Driver: v2.00
<tigran@aivazian.fsnet.co.uk>, Peter Oruba
[ 1.093836] FDC 0 is a post-1991 82077
[ 1.316022] usb 1-1: new high-speed USB device number 2 using ehci_hcd
[ 1.342013] e1000e 0000:00:19.0: eth0: (PCI Express:2.5GT/s:Width x1)
00:1d:7d:56:c4:ee
[ 1.342076] e1000e 0000:00:19.0: eth0: Intel(R) PRO/1000 Network Connection
[ 1.342138] e1000e 0000:00:19.0: eth0: MAC: 7, PHY: 6, PBA No: FFFFFFF-0FF
[ 1.342226] ahci 0000:00:1f.2: version 3.0
[ 1.342332] ahci 0000:00:1f.2: AHCI 0001.0200 32 slots 6 ports 3 Gbps 0x13
impl SATA mode
[ 1.342401] ahci 0000:00:1f.2: flags: 64bit ncq sntf led clo pmp pio slum
part ccc sxs
[ 1.342469] ahci 0000:00:1f.2: setting latency timer to 64
[ 1.343380] scsi0 : ahci
[ 1.343532] scsi1 : ahci

```

```

[ 1.343644] scsi2 : ahci
[ 1.343760] scsi3 : ahci
[ 1.343881] scsi4 : ahci
[ 1.343995] scsi5 : ahci
[ 1.344332] ata1: SATA max UDMA/133 abar m2048@0xd03a6000 port 0xd03a6100 irq
17
[ 1.344394] ata2: SATA max UDMA/133 abar m2048@0xd03a6000 port 0xd03a6180 irq
17
[ 1.344454] ata3: DUMMY
[ 1.344490] ata4: DUMMY
[ 1.344528] ata5: SATA max UDMA/133 abar m2048@0xd03a6000 port 0xd03a6300 irq
17
[ 1.344587] ata6: DUMMY
[ 1.344659] uhci_hcd 0000:00:1d.1: setting latency timer to 64
[ 1.344663] uhci_hcd 0000:00:1d.1: UHCI Host Controller
[ 1.344720] uhci_hcd 0000:00:1d.1: new USB bus registered, assigned bus
number 7
[ 1.344802] uhci_hcd 0000:00:1d.1: irq 17, io base 0x000018c0
[ 1.344882] usb usb7: New USB device found, idVendor=1d6b, idProduct=0001
[ 1.344929] usb usb7: New USB device strings: Mfr=3, Product=2,
SerialNumber=1
[ 1.344988] usb usb7: Product: UHCI Host Controller
[ 1.345030] usb usb7: Manufacturer: Linux 3.4-9-rtai-686-pae uhci_hcd
[ 1.345076] usb usb7: SerialNumber: 0000:00:1d.1
[ 1.345242] hub 7-0:1.0: USB hub found
[ 1.345287] hub 7-0:1.0: 2 ports detected
[ 1.345410] uhci_hcd 0000:00:1d.2: setting latency timer to 64
[ 1.345414] uhci_hcd 0000:00:1d.2: UHCI Host Controller
[ 1.345462] uhci_hcd 0000:00:1d.2: new USB bus registered, assigned bus
number 8
[ 1.345543] uhci_hcd 0000:00:1d.2: irq 18, io base 0x000018e0
[ 1.345618] usb usb8: New USB device found, idVendor=1d6b, idProduct=0001
[ 1.345666] usb usb8: New USB device strings: Mfr=3, Product=2,
SerialNumber=1
[ 1.345725] usb usb8: Product: UHCI Host Controller
[ 1.345767] usb usb8: Manufacturer: Linux 3.4-9-rtai-686-pae uhci_hcd
[ 1.345813] usb usb8: SerialNumber: 0000:00:1d.2
[ 1.345984] hub 8-0:1.0: USB hub found
[ 1.346028] hub 8-0:1.0: 2 ports detected
[ 1.472041] Refined TSC clocksource calibration: 2327.499 MHz.
[ 1.472093] Switching to clocksource tsc
[ 1.664027] ata5: SATA link down (SStatus 0 SControl 300)
[ 1.775930] usb 1-1: New USB device found, idVendor=058f, idProduct=6387
[ 1.775979] usb 1-1: New USB device strings: Mfr=1, Product=2, SerialNumber=3
[ 1.776036] usb 1-1: Product: Mass Storage
[ 1.776078] usb 1-1: Manufacturer: Generic
[ 1.776124] usb 1-1: SerialNumber: 9B4DB595
[ 1.778533] Initializing USB Mass Storage driver...
[ 1.778670] scsi6 : usb-storage 1-1:1.0
[ 1.778783] usbcore: registered new interface driver usb-storage
[ 1.778829] USB Mass Storage support registered.
[ 1.836029] ata2: SATA link up 1.5 Gbps (SStatus 113 SControl 300)
[ 1.836108] ata1: SATA link up 3.0 Gbps (SStatus 123 SControl 300)
[ 1.836759] ata2.00: ATAPI: HL-DT-STDVD-ROM GDRH20N, 0M02, max UDMA/100
[ 1.837053] ata1.00: ATA-8: WDC WD3200AVJS-63B6A0, 01.03A01, max UDMA/133
[ 1.837102] ata1.00: 625142448 sectors, multi 16: LBA48 NCQ (depth 31/32), AA
[ 1.837701] ata2.00: configured for UDMA/100
[ 1.838109] ata1.00: configured for UDMA/133
[ 1.838280] scsi 0:0:0:0: Direct-Access ATA WDC WD3200AVJS-6 01.0
PQ: 0 ANSI: 5
[ 1.840190] scsi 1:0:0:0: CD-ROM HL-DT-ST DVD-ROM GDRH20N 0M02
PQ: 0 ANSI: 5
[ 1.846928] sd 0:0:0:0: [sda] 625142448 512-byte logical blocks: (320 GB/298
GiB)

```

```
[ 1.847075] sd 0:0:0:0: [sda] Write Protect is off
[ 1.847118] sd 0:0:0:0: [sda] Mode Sense: 00 3a 00 00
[ 1.847149] sd 0:0:0:0: [sda] Write cache: enabled, read cache: enabled,
doesn't support DPO or FUA
[ 1.848159] sr0: scsi3-mmc drive: 48x/48x cd/rw xa/form2 cdda tray
[ 1.848212] cdrom: Uniform CD-ROM driver Revision: 3.20
[ 1.848486] sr 1:0:0:0: Attached scsi CD-ROM sr0
[ 1.879625] sda: sda1 sda2 < sda5 >
[ 1.880015] sd 0:0:0:0: [sda] Attached SCSI disk
[ 1.881868] sd 0:0:0:0: Attached scsi generic sg0 type 0
[ 1.881959] sr 1:0:0:0: Attached scsi generic sg1 type 5
[ 2.149886] PM: Starting manual resume from disk
[ 2.149942] PM: Hibernation image partition 8:5 present
[ 2.149944] PM: Looking for hibernation image.
[ 2.150095] PM: Image not found (code -22)
[ 2.150098] PM: Hibernation image not present or could not be loaded.
[ 2.228859] EXT4-fs (sda1): mounted filesystem with ordered data mode. Opts:
(null)
[ 2.777831] scsi 6:0:0:0: Direct-Access Generic Flash Disk 8.07
PQ: 0 ANSI: 4
[ 2.778449] sd 6:0:0:0: Attached scsi generic sg2 type 0
[ 2.779692] sd 6:0:0:0: [sdb] 15728640 512-byte logical blocks: (8.05 GB/7.50
GiB)
[ 2.780689] sd 6:0:0:0: [sdb] Write Protect is off
[ 2.780740] sd 6:0:0:0: [sdb] Mode Sense: 23 00 00 00
[ 2.781688] sd 6:0:0:0: [sdb] Write cache: disabled, read cache: enabled,
doesn't support DPO or FUA
[ 2.786875] sdb: sdb1
[ 2.789562] sd 6:0:0:0: [sdb] Attached SCSI removable disk
[ 4.245204] udevd[383]: starting version 175
[ 4.535329] input: Power Button as
/devices/LNXSYSTM:00/LNXPWRBN:00/PNP0A03:00/PNP0C0C:00/input/input1
[ 4.535403] ACPI: Power Button [PWRB]
[ 4.535496] input: Power Button as
/devices/LNXSYSTM:00/LNXPWRBN:00/input/input2
[ 4.535557] ACPI: Power Button [PWRB]
[ 4.915560] coretemp coretemp.0: Using relative temperature scale!
[ 4.915619] coretemp coretemp.0: Using relative temperature scale!
[ 4.941127] i801_smbus 0000:00:1f.3: enabling device (0001 -> 0003)
[ 4.968056] tpm_tis 00:0e: 1.2 TPM (device-id 0xFE, rev-id 70)
[ 5.001862] iTCO_vendor_support: vendor-support=0
[ 5.002512] iTCO_wdt: Intel TCO WatchDog Timer Driver v1.07
[ 5.002632] iTCO_wdt: Found a ICH9D0 TCO device (Version=2, TCOBASE=0x1060)
[ 5.002728] iTCO_wdt: initialized. heartbeat=30 sec (nowayout=0)
[ 5.064052] tpm_tis 00:0e: TPM is disabled/deactivated (0x6)
[ 5.064125] parport_pc 00:0a: reported by Plug and Play ACPI
[ 5.064266] parport_pc 00:0a: disabled
[ 5.075365] [drm] Initialized drm 1.1.0 20060810
[ 5.441736] input: ImPS/2 Generic Wheel Mouse as
/devices/platform/i8042/serio1/input/input3
[ 5.465828] input: HDA Digital PCBeep as
/devices/pci0000:00/0000:00:1b.0/input/input4
[ 5.469148] i915 0000:00:02.0: setting latency timer to 64
[ 5.483059] [drm] Supports vblank timestamp caching Rev 1 (10.10.2010).
[ 5.483108] [drm] Driver supports precise vblank timestamp query.
[ 5.483195] vgaarb: device changed decodes:
PCI:0000:00:02.0,olddecodes=io+mem,decodes=io+mem:owns=io+mem
[ 5.584993] [drm] initialized overlay support
[ 5.636500] fbcon: inteldrmfb (fb0) is primary device
[ 5.694205] Console: switching to colour frame buffer device 210x65
[ 5.700161] fb0: inteldrmfb frame buffer device
[ 5.700188] drm: registered panic notifier
[ 5.700257] ACPI Exception: AE_NOT_FOUND, Evaluating _DOD (20120320/video-
1179)
```

```
[ 5.700377] input: Video Bus as
/devices/LNXSYSTM:00/LNXXSYBUS:00/PNP0A03:00/LNXVIDEO:00/input/input5
[ 5.700482] ACPI: Video Device [IGD0] (multi-head: yes rom: no post: no)
[ 5.701117] [drm] Initialized i915 1.6.0 20080730 for 0000:00:02.0 on minor 0
[ 7.024671] Adding 6236156k swap on /dev/sda5. Priority:-1 extents:1
across:6236156k
[ 7.037875] EXT4-fs (sda1): re-mounted. Opts: (null)
[ 7.232809] EXT4-fs (sda1): re-mounted. Opts: errors=remount-ro
[ 7.398215] loop: module loaded
[ 8.475326] RPC: Registered named UNIX socket transport module.
[ 8.475369] RPC: Registered udp transport module.
[ 8.475398] RPC: Registered tcp transport module.
[ 8.475426] RPC: Registered tcp NFSv4.1 backchannel transport module.
[ 8.521134] FS-Cache: Loaded
[ 8.543964] NFS: Registering the id_resolver key type
[ 8.544032] FS-Cache: Netfs 'nfs' registered for caching
[ 8.554733] Installing knfsd (copyright (C) 1996 okir@monad.swb.de).
[ 50.431344] input: ACPI Virtual Keyboard Device as
/devices/virtual/input/input6
[ 51.604449] lp: driver loaded but no devices found
[ 51.865782] ppdev: user-space parallel port driver
[ 51.967933] Bluetooth: Core ver 2.16
[ 51.969427] NET: Registered protocol family 31
[ 51.970863] Bluetooth: HCI device and connection manager initialized
[ 51.972327] Bluetooth: HCI socket layer initialized
[ 51.973763] Bluetooth: L2CAP socket layer initialized
[ 51.975177] Bluetooth: SCO socket layer initialized
[ 51.991826] Bluetooth: RFCOMM TTY layer initialized
[ 51.993232] Bluetooth: RFCOMM socket layer initialized
[ 51.994587] Bluetooth: RFCOMM ver 1.11
[ 52.400742] Bluetooth: BNEP (Ethernet Emulation) ver 1.3
[ 52.400784] Bluetooth: BNEP filters: protocol multicast
[ 53.536532] ADDRCONF(NETDEV_UP): eth0: link is not ready
[ 81.924492] I-pipe: head domain RTAI registered.
[ 81.924498] RTAI[hal]: compiled with gcc version 4.7.2 (Debian 4.7.2-5) .
[ 81.924529] RTAI[hal]: mounted (IPIPE-NOTHREADS, IMMEDIATE (INTERNAL IRQs
DISPATCHED), ISOL_CPUS_MASK: 0).
[ 81.924533] SYSINFO: CPUs 2, LINUX APIC IRQ 2312, TIM_FREQ 20779701, CLK_FREQ
2327405000, CPU_FREQ 2327405000
[ 81.924536] RTAI_APIC_TIMER_IPI: RTAI DEFINED 2314, VECTOR 2314;
LINUX_APIC_TIMER_IPI: RTAI DEFINED 2312, VECTOR 2312
[ 81.924540] TIMER NAME: lapic; VARIOUSLY FOUND APIC FREQs: 20779701,
20779701, 20724750
[ 81.951584] RTAI[malloc]: global heap size = 2097152 bytes, <BSD>.
[ 81.951613] , <uses LINUX SYSCALLS>, kstacks pool size = 524288 bytes.
[ 81.951618] RTAI[sched]: hard timer type/freq = APIC/20779701(Hz); default
timing: oneshot; linear timed lists.
[ 81.951621] RTAI[sched]: Linux timer freq = 250 (Hz), TimeBase freq =
2327405000 hz.
[ 81.951624] RTAI[sched]: timer setup = 999 ns, resched latency = 2944 ns.
[ 81.969145] RTAI[math]: loaded.
[ 82.144653] config string '0 out'
[ 82.145764] PARPORT: ERROR: linux parport 0 not found
[ 84.693103] RTAI[math]: unloaded.
[ 84.694712] SCHED releases registered named ALIEN PEDV$D
[ 84.699125] RTAI[malloc]: unloaded.
[ 84.796030] RTAI[sched]: unloaded (forced hard/soft/hard transitions: traps
0, syscalls 0).
[ 84.797645] I-pipe: head domain RTAI unregistered.
[ 84.797687] RTAI[hal]: unmounted.
[ 114.033448] I-pipe: head domain RTAI registered.
[ 114.033455] RTAI[hal]: compiled with gcc version 4.7.2 (Debian 4.7.2-5) .
[ 114.033486] RTAI[hal]: mounted (IPIPE-NOTHREADS, IMMEDIATE (INTERNAL IRQs
DISPATCHED), ISOL_CPUS_MASK: 0).
```

```
[ 114.033490] SYSINFO: CPUs 2, LINUX APIC IRQ 2312, TIM_FREQ 20779701, CLK_FREQ
2327405000, CPU_FREQ 2327405000
[ 114.033493] RTAI_APIC_TIMER_IPI: RTAI DEFINED 2314, VECTOR 2314;
LINUX_APIC_TIMER_IPI: RTAI DEFINED 2312, VECTOR 2312
[ 114.033497] TIMER NAME: lpic; VARIOUSLY FOUND APIC FREQs: 20779701,
20779701, 20749000
[ 114.040643] RTAI[malloc]: global heap size = 2097152 bytes, <BSD>.
[ 114.040672] , <uses LINUX SYSCALLS>, kstacks pool size = 524288 bytes.
[ 114.040677] RTAI[sched]: hard timer type/freq = APIC/20779701(Hz); default
timing: oneshot; linear timed lists.
[ 114.040681] RTAI[sched]: Linux timer freq = 250 (Hz), TimeBase freq =
2327405000 hz.
[ 114.040683] RTAI[sched]: timer setup = 999 ns, resched latency = 2944 ns.
[ 114.049986] RTAI[math]: loaded.
[ 127.151541] RTAI[math]: unloaded.
[ 127.153239] SCHED releases registered named ALIEN PEDV$D
[ 127.157865] RTAI[malloc]: unloaded.
[ 127.256026] RTAI[sched]: unloaded (forced hard/soft/hard transitions: traps
0, syscalls 0).
[ 127.257697] I-pipe: head domain RTAI unregistered.
[ 127.257738] RTAI[hal]: unmounted.
[ 165.236073] I-pipe: head domain RTAI registered.
[ 165.236079] RTAI[hal]: compiled with gcc version 4.7.2 (Debian 4.7.2-5) .
[ 165.236109] RTAI[hal]: mounted (IPIPE-NOTHREADS, IMMEDIATE (INTERNAL IRQs
DISPATCHED), ISOL_CPUS_MASK: 0).
[ 165.236113] SYSINFO: CPUs 2, LINUX APIC IRQ 2312, TIM_FREQ 20779701, CLK_FREQ
2327405000, CPU_FREQ 2327405000
[ 165.236116] RTAI_APIC_TIMER_IPI: RTAI DEFINED 2314, VECTOR 2314;
LINUX_APIC_TIMER_IPI: RTAI DEFINED 2312, VECTOR 2312
[ 165.236120] TIMER NAME: lpic; VARIOUSLY FOUND APIC FREQs: 20779701,
20779701, 20740750
[ 165.243310] RTAI[malloc]: global heap size = 2097152 bytes, <BSD>.
[ 165.243344] , <uses LINUX SYSCALLS>, kstacks pool size = 524288 bytes.
[ 165.243349] RTAI[sched]: hard timer type/freq = APIC/20779701(Hz); default
timing: oneshot; linear timed lists.
[ 165.243353] RTAI[sched]: Linux timer freq = 250 (Hz), TimeBase freq =
2327405000 hz.
[ 165.243355] RTAI[sched]: timer setup = 999 ns, resched latency = 2944 ns.
[ 165.252843] RTAI[math]: loaded.
[ 165.391948] config string '0 out'
[ 165.393103] PARPORT: ERROR: linux parport 0 not found
[ 167.721976] RTAI[math]: unloaded.
[ 167.723606] SCHED releases registered named ALIEN PEDV$D
[ 167.726871] RTAI[malloc]: unloaded.
[ 167.824040] RTAI[sched]: unloaded (forced hard/soft/hard transitions: traps
0, syscalls 0).
[ 167.825706] I-pipe: head domain RTAI unregistered.
[ 167.825748] RTAI[hal]: unmounted.
[ 190.390234] I-pipe: head domain RTAI registered.
[ 190.390241] RTAI[hal]: compiled with gcc version 4.7.2 (Debian 4.7.2-5) .
[ 190.390275] RTAI[hal]: mounted (IPIPE-NOTHREADS, IMMEDIATE (INTERNAL IRQs
DISPATCHED), ISOL_CPUS_MASK: 0).
[ 190.390278] SYSINFO: CPUs 2, LINUX APIC IRQ 2312, TIM_FREQ 20779701, CLK_FREQ
2327405000, CPU_FREQ 2327405000
[ 190.390281] RTAI_APIC_TIMER_IPI: RTAI DEFINED 2314, VECTOR 2314;
LINUX_APIC_TIMER_IPI: RTAI DEFINED 2312, VECTOR 2312
[ 190.390285] TIMER NAME: lpic; VARIOUSLY FOUND APIC FREQs: 20779701,
20779701, 19752000
[ 190.397453] RTAI[malloc]: global heap size = 2097152 bytes, <BSD>.
[ 190.397484] , <uses LINUX SYSCALLS>, kstacks pool size = 524288 bytes.
[ 190.397489] RTAI[sched]: hard timer type/freq = APIC/20779701(Hz); default
timing: oneshot; linear timed lists.
[ 190.397493] RTAI[sched]: Linux timer freq = 250 (Hz), TimeBase freq =
2327405000 hz.
```

```
[ 190.397495] RTAI[sched]: timer setup = 999 ns, resched latency = 2944 ns.
[ 190.409806] RTAI[math]: loaded.
[ 190.448453] config string '0 out'
[ 190.449564] PARPORT: ERROR: linux parport 0 not found
[ 192.791600] RTAI[math]: unloaded.
[ 192.793221] SCHED releases registered named ALIEN PEDV$D
[ 192.797657] RTAI[malloc]: unloaded.
[ 192.896030] RTAI[sched]: unloaded (forced hard/soft/hard transitions: traps
0, syscalls 0).
[ 192.897652] I-pipe: head domain RTAI unregistered.
[ 192.897694] RTAI[hal]: unmounted.
[ 212.053747] I-pipe: head domain RTAI registered.
[ 212.053754] RTAI[hal]: compiled with gcc version 4.7.2 (Debian 4.7.2-5) .
[ 212.053786] RTAI[hal]: mounted (IPIPE-NOTHREADS, IMMEDIATE (INTERNAL IRQs
DISPATCHED), ISOL_CPUS_MASK: 0).
[ 212.053790] SYSINFO: CPUs 2, LINUX APIC IRQ 2312, TIM_FREQ 20779701, CLK_FREQ
2327405000, CPU_FREQ 2327405000
[ 212.053793] RTAI_APIC_TIMER_IPI: RTAI DEFINED 2314, VECTOR 2314;
LINUX_APIC_TIMER_IPI: RTAI DEFINED 2312, VECTOR 2312
[ 212.053796] TIMER NAME: lapic; VARIOUSLY FOUND APIC FREQs: 20779701,
20779701, 20749000
[ 212.062604] RTAI[malloc]: global heap size = 2097152 bytes, <BSD>.
[ 212.062632] , <uses LINUX SYSCALLS>, kstacks pool size = 524288 bytes.
[ 212.062637] RTAI[sched]: hard timer type/freq = APIC/20779701(Hz); default
timing: oneshot; linear timed lists.
[ 212.062641] RTAI[sched]: Linux timer freq = 250 (Hz), TimeBase freq =
2327405000 hz.
[ 212.062644] RTAI[sched]: timer setup = 999 ns, resched latency = 2944 ns.
[ 212.067317] RTAI[math]: loaded.
[ 212.217694] config string '0 out'
[ 212.218939] PARPORT: ERROR: linux parport 0 not found
[ 214.554689] RTAI[math]: unloaded.
[ 214.556421] SCHED releases registered named ALIEN PEDV$D
[ 214.560965] RTAI[malloc]: unloaded.
[ 214.660017] RTAI[sched]: unloaded (forced hard/soft/hard transitions: traps
0, syscalls 0).
[ 214.661686] I-pipe: head domain RTAI unregistered.
[ 214.661723] RTAI[hal]: unmounted.
[ 390.520869] e1000e: eth0 NIC Link is Up 1000 Mbps Full Duplex, Flow Control:
Rx/Tx
[ 390.520995] ADDRCONF(NETDEV_CHANGE): eth0: link becomes ready
[ 427.805321] I-pipe: head domain RTAI registered.
[ 427.805328] RTAI[hal]: compiled with gcc version 4.7.2 (Debian 4.7.2-5) .
[ 427.805358] RTAI[hal]: mounted (IPIPE-NOTHREADS, IMMEDIATE (INTERNAL IRQs
DISPATCHED), ISOL_CPUS_MASK: 0).
[ 427.805362] SYSINFO: CPUs 2, LINUX APIC IRQ 2312, TIM_FREQ 20779701, CLK_FREQ
2327405000, CPU_FREQ 2327405000
[ 427.805365] RTAI_APIC_TIMER_IPI: RTAI DEFINED 2314, VECTOR 2314;
LINUX_APIC_TIMER_IPI: RTAI DEFINED 2312, VECTOR 2312
[ 427.805368] TIMER NAME: lapic; VARIOUSLY FOUND APIC FREQs: 20779701,
20779701, 20746500
[ 427.812475] RTAI[malloc]: global heap size = 2097152 bytes, <BSD>.
[ 427.812503] , <uses LINUX SYSCALLS>, kstacks pool size = 524288 bytes.
[ 427.812508] RTAI[sched]: hard timer type/freq = APIC/20779701(Hz); default
timing: oneshot; linear timed lists.
[ 427.812511] RTAI[sched]: Linux timer freq = 250 (Hz), TimeBase freq =
2327405000 hz.
[ 427.812514] RTAI[sched]: timer setup = 999 ns, resched latency = 2944 ns.
[ 427.824529] RTAI[math]: loaded.
[ 427.874173] config string '0 out'
[ 427.875294] PARPORT: ERROR: linux parport 0 not found
[ 430.233435] RTAI[math]: unloaded.
[ 430.235042] SCHED releases registered named ALIEN PEDV$D
[ 430.237898] RTAI[malloc]: unloaded.
```

```
[ 430.336026] RTAI[sched]: unloaded (forced hard/soft/hard transitions: traps
0, syscalls 0).
[ 430.337632] I-pipe: head domain RTAI unregistered.
[ 430.337669] RTAI[hal]: unmounted.
[ 6683.520067] FAT-fs (sdb1): utf8 is not a recommended IO charset for FAT
filesystems, filesystem will be case sensitive!
[ 6725.344368] I-pipe: head domain RTAI registered.
[ 6725.344375] RTAI[hal]: compiled with gcc version 4.7.2 (Debian 4.7.2-5) .
[ 6725.344406] RTAI[hal]: mounted (IPIPE-NOTHREADS, IMMEDIATE (INTERNAL IRQs
DISPATCHED), ISOL_CPUS_MASK: 0).
[ 6725.344409] SYSINFO: CPUs 2, LINUX APIC IRQ 2312, TIM_FREQ 20779701, CLK_FREQ
2327405000, CPU_FREQ 2327405000
[ 6725.344413] RTAI_APIC_TIMER_IPI: RTAI DEFINED 2314, VECTOR 2314;
LINUX_APIC_TIMER_IPI: RTAI DEFINED 2312, VECTOR 2312
[ 6725.344416] TIMER NAME: lapic; VARIOUSLY FOUND APIC FREQs: 20779701,
20779701, 20734500
[ 6725.351730] RTAI[malloc]: global heap size = 2097152 bytes, <BSD>.
[ 6725.351759] , <uses LINUX SYSCALLS>, kstacks pool size = 524288 bytes.
[ 6725.351763] RTAI[sched]: hard timer type/freq = APIC/20779701(Hz); default
timing: oneshot; linear timed lists.
[ 6725.351767] RTAI[sched]: Linux timer freq = 250 (Hz), TimeBase freq =
2327405000 hz.
[ 6725.351770] RTAI[sched]: timer setup = 999 ns, resched latency = 2944 ns.
[ 6725.356731] RTAI[math]: loaded.
[ 6725.506830] config string '0 out'
[ 6725.508103] PARPORT: ERROR: linux parport 0 not found
[ 6727.862736] RTAI[math]: unloaded.
[ 6727.864458] SCHED releases registered named ALIEN PEDV$D
[ 6727.869024] RTAI[malloc]: unloaded.
[ 6727.968011] RTAI[sched]: unloaded (forced hard/soft/hard transitions: traps
0, syscalls 0).
[ 6727.969634] I-pipe: head domain RTAI unregistered.
[ 6727.969674] RTAI[hal]: unmounted.
[ 7133.782361] udevd[9479]: starting version 175
[ 7174.023440] I-pipe: head domain RTAI registered.
[ 7174.023446] RTAI[hal]: compiled with gcc version 4.7.2 (Debian 4.7.2-5) .
[ 7174.023478] RTAI[hal]: mounted (IPIPE-NOTHREADS, IMMEDIATE (INTERNAL IRQs
DISPATCHED), ISOL_CPUS_MASK: 0).
[ 7174.023481] SYSINFO: CPUs 2, LINUX APIC IRQ 2312, TIM_FREQ 20779701, CLK_FREQ
2327405000, CPU_FREQ 2327405000
[ 7174.023484] RTAI_APIC_TIMER_IPI: RTAI DEFINED 2314, VECTOR 2314;
LINUX_APIC_TIMER_IPI: RTAI DEFINED 2312, VECTOR 2312
[ 7174.023488] TIMER NAME: lapic; VARIOUSLY FOUND APIC FREQs: 20779701,
20779701, 18718000
[ 7174.031215] RTAI[malloc]: global heap size = 2097152 bytes, <BSD>.
[ 7174.031247] , <uses LINUX SYSCALLS>, kstacks pool size = 524288 bytes.
[ 7174.031252] RTAI[sched]: hard timer type/freq = APIC/20779701(Hz); default
timing: oneshot; linear timed lists.
[ 7174.031256] RTAI[sched]: Linux timer freq = 250 (Hz), TimeBase freq =
2327405000 hz.
[ 7174.031258] RTAI[sched]: timer setup = 999 ns, resched latency = 2944 ns.
[ 7174.040030] RTAI[math]: loaded.
[ 7174.191132] config string '0 out'
[ 7174.192399] PARPORT: ERROR: linux parport 0 not found
[ 7176.561211] RTAI[math]: unloaded.
[ 7176.562729] SCHED releases registered named ALIEN PEDV$D
[ 7176.566951] RTAI[malloc]: unloaded.
[ 7176.664020] RTAI[sched]: unloaded (forced hard/soft/hard transitions: traps
0, syscalls 0).
[ 7176.665626] I-pipe: head domain RTAI unregistered.
[ 7176.665668] RTAI[hal]: unmounted.
[ 7195.238123] I-pipe: head domain RTAI registered.
[ 7195.238129] RTAI[hal]: compiled with gcc version 4.7.2 (Debian 4.7.2-5) .
[ 7195.238160] RTAI[hal]: mounted (IPIPE-NOTHREADS, IMMEDIATE (INTERNAL IRQs
```

```
DISPATCHED), ISOL_CPUS_MASK: 0).
[ 7195.238164] SYSINFO: CPUs 2, LINUX APIC IRQ 2312, TIM_FREQ 20779701, CLK_FREQ
2327405000, CPU_FREQ 2327405000
[ 7195.238167] RTAI_APIC_TIMER_IPI: RTAI DEFINED 2314, VECTOR 2314;
LINUX_APIC_TIMER_IPI: RTAI DEFINED 2312, VECTOR 2312
[ 7195.238170] TIMER NAME: lapic; VARIOUSLY FOUND APIC FREQs: 20779701,
20779701, 20035250
[ 7195.245417] RTAI[malloc]: global heap size = 2097152 bytes, <BSD>.
[ 7195.245447] , <uses LINUX SYSCALLS>, kstacks pool size = 524288 bytes.
[ 7195.245452] RTAI[sched]: hard timer type/freq = APIC/20779701(Hz); default
timing: oneshot; linear timed lists.
[ 7195.245455] RTAI[sched]: Linux timer freq = 250 (Hz), TimeBase freq =
2327405000 hz.
[ 7195.245458] RTAI[sched]: timer setup = 999 ns, resched latency = 2944 ns.
[ 7195.257568] RTAI[math]: loaded.
[ 7199.351709] RTAI[math]: unloaded.
[ 7199.353417] SCHED releases registered named ALIEN PEDV$D
[ 7199.358575] RTAI[malloc]: unloaded.
[ 7199.456024] RTAI[sched]: unloaded (forced hard/soft/hard transitions: traps
0, syscalls 0).
[ 7199.457812] I-pipe: head domain RTAI unregistered.
[ 7199.457854] RTAI[hal]: unmounted.
[ 7309.486130] I-pipe: head domain RTAI registered.
[ 7309.486137] RTAI[hal]: compiled with gcc version 4.7.2 (Debian 4.7.2-5) .
[ 7309.486169] RTAI[hal]: mounted (IPIPE-NOTHEADS, IMMEDIATE (INTERNAL IRQs
DISPATCHED), ISOL_CPUS_MASK: 0).
[ 7309.486173] SYSINFO: CPUs 2, LINUX APIC IRQ 2312, TIM_FREQ 20779701, CLK_FREQ
2327405000, CPU_FREQ 2327405000
[ 7309.486176] RTAI_APIC_TIMER_IPI: RTAI DEFINED 2314, VECTOR 2314;
LINUX_APIC_TIMER_IPI: RTAI DEFINED 2312, VECTOR 2312
[ 7309.486180] TIMER NAME: lapic; VARIOUSLY FOUND APIC FREQs: 20779701,
20779701, 19500000
[ 7309.495226] RTAI[malloc]: global heap size = 2097152 bytes, <BSD>.
[ 7309.495258] , <uses LINUX SYSCALLS>, kstacks pool size = 524288 bytes.
[ 7309.495263] RTAI[sched]: hard timer type/freq = APIC/20779701(Hz); default
timing: oneshot; linear timed lists.
[ 7309.495266] RTAI[sched]: Linux timer freq = 250 (Hz), TimeBase freq =
2327405000 hz.
[ 7309.495269] RTAI[sched]: timer setup = 999 ns, resched latency = 2944 ns.
[ 7309.505284] RTAI[math]: loaded.
[ 7309.655616] config string '0 out'
[ 7309.656891] PARPORT: ERROR: linux parport 0 not found
[ 7312.014512] RTAI[math]: unloaded.
[ 7312.016148] SCHED releases registered named ALIEN PEDV$D
[ 7312.020441] RTAI[malloc]: unloaded.
[ 7312.120022] RTAI[sched]: unloaded (forced hard/soft/hard transitions: traps
0, syscalls 0).
[ 7312.121647] I-pipe: head domain RTAI unregistered.
[ 7312.121684] RTAI[hal]: unmounted.
[ 8850.539800] sdb: detected capacity change from 8053063680 to 0
[ 8853.070178] usb 1-1: USB disconnect, device number 2
[ 8856.668018] usb 1-1: new high-speed USB device number 3 using ehci_hcd
[ 8856.815181] usb 1-1: New USB device found, idVendor=13fe, idProduct=4300
[ 8856.815185] usb 1-1: New USB device strings: Mfr=1, Product=2, SerialNumber=3
[ 8856.815189] usb 1-1: Product: USB DISK 2.0
[ 8856.815192] usb 1-1: Manufacturer:
[ 8856.815194] usb 1-1: SerialNumber: 900082CA9AC6A700
[ 8856.815550] scsi7 : usb-storage 1-1:1.0
[ 8857.814080] scsi 7:0:0:0: Direct-Access          USB DISK 2.0      PMAP
PQ: 0 ANSI: 6
[ 8857.814740] sd 7:0:0:0: Attached scsi generic sg2 type 0
[ 8860.880825] sd 7:0:0:0: [sdb] 15730688 512-byte logical blocks: (8.05 GB/7.50
GiB)
[ 8860.882940] sd 7:0:0:0: [sdb] Write Protect is off
```

```
[ 8860.882944] sd 7:0:0:0: [sdb] Mode Sense: 23 00 00 00
[ 8860.884444] sd 7:0:0:0: [sdb] No Caching mode page present
[ 8860.884447] sd 7:0:0:0: [sdb] Assuming drive cache: write through
[ 8860.892941] sd 7:0:0:0: [sdb] No Caching mode page present
[ 8860.892945] sd 7:0:0:0: [sdb] Assuming drive cache: write through
[ 8860.895626]   sdb: sdb1
[ 8860.907067] sd 7:0:0:0: [sdb] No Caching mode page present
[ 8860.907072] sd 7:0:0:0: [sdb] Assuming drive cache: write through
[ 8860.907075] sd 7:0:0:0: [sdb] Attached SCSI removable disk
[ 8864.240589] FAT-fs (sdb1): utf8 is not a recommended IO charset for FAT
filesystems, filesystem will be case sensitive!
[ 8910.401350] I-pipe: head domain RTAI registered.
[ 8910.401357] RTAI[hal]: compiled with gcc version 4.7.2 (Debian 4.7.2-5) .
[ 8910.401387] RTAI[hal]: mounted (IPIPE-NOTHEADS, IMMEDIATE (INTERNAL IRQs
DISPATCHED), ISOL_CPUS_MASK: 0).
[ 8910.401391] SYSINFO: CPUs 2, LINUX APIC IRQ 2312, TIM_FREQ 20779701, CLK_FREQ
2327405000, CPU_FREQ 2327405000
[ 8910.401394] RTAI_APIC_TIMER_IPI: RTAI DEFINED 2314, VECTOR 2314;
LINUX_APIC_TIMER_IPI: RTAI DEFINED 2312, VECTOR 2312
[ 8910.401397] TIMER NAME: lapic; VARIOUSLY FOUND APIC FREQs: 20779701,
20779701, 20748000
[ 8910.408762] RTAI[malloc]: global heap size = 2097152 bytes, <BSD>.
[ 8910.408790] , <uses LINUX SYSCALLS>, kstacks pool size = 524288 bytes.
[ 8910.408795] RTAI[sched]: hard timer type/freq = APIC/20779701(Hz); default
timing: oneshot; linear timed lists.
[ 8910.408799] RTAI[sched]: Linux timer freq = 250 (Hz), TimeBase freq =
2327405000 hz.
[ 8910.408801] RTAI[sched]: timer setup = 999 ns, resched latency = 2944 ns.
[ 8910.415919] RTAI[math]: loaded.
[ 8910.567445] config string '0 out'
[ 8910.568615] PARPORT: ERROR: linux parport 0 not found
[ 8912.935342] RTAI[math]: unloaded.
[ 8912.936895] SCHED releases registered named ALIEN PEDV$D
[ 8912.941219] RTAI[malloc]: unloaded.
[ 8913.040020] RTAI[sched]: unloaded (forced hard/soft/hard transitions: traps
0, syscalls 0).
[ 8913.041671] I-pipe: head domain RTAI unregistered.
[ 8913.041713] RTAI[hal]: unmounted.
```