

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 - 2.7.8
Machine configuration directory is '/home/neil/linuxcnc/configs/purple1'
Machine configuration file is 'purple1.ini'
INIFILE=/home/neil/linuxcnc/configs/purple1/purple1.ini
PARAMETER_FILE=linuxcnc.var
TASK=milltask
HALUI=
DISPLAY=axis
Starting LinuxCNC...
Starting LinuxCNC server program: linuxcncsvr
Loading Real Time OS, RTAPI, and HAL_LIB modules
Starting LinuxCNC IO program: io
Found file(REL): ./purple1.hal
Shutting down and cleaning up LinuxCNC...
Killing task linuxcncsvr, PID=23202
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
./purple1.hal:6: exit value: 1
./purple1.hal:6: insmod for hal_parport failed, returned -1
See the output of 'dmesg' for more information.
23202
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 - 000000000000a0000 (usable)
[0.000000] BIOS-e820: 000000000000f0000 - 0000000000100000 (reserved)
[0.000000] BIOS-e820: 0000000000100000 - 000000000e7e88c00 (usable)
[0.000000] BIOS-e820: 000000000e7e88c00 - 000000000e7e8ac00 (ACPI NVS)

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[ 0.000000] BIOS-e820: 00000000e7e8ac00 - 00000000e7e8cc00 (ACPI data)
[ 0.000000] BIOS-e820: 00000000e7e8cc00 - 00000000e8000000 (reserved)
[ 0.000000] BIOS-e820: 00000000f0000000 - 00000000f4000000 (reserved)
[ 0.000000] BIOS-e820: 00000000fec00000 - 00000000fed00400 (reserved)
[ 0.000000] BIOS-e820: 00000000fed20000 - 00000000feda0000 (reserved)
[ 0.000000] BIOS-e820: 00000000fee00000 - 00000000fef00000 (reserved)
[ 0.000000] BIOS-e820: 00000000ffb00000 - 0000000100000000 (reserved)
[ 0.000000] Notice: NX (Execute Disable) protection cannot be enabled: non-PAE kernel!
[ 0.000000] SMBIOS 2.3 present.
[ 0.000000] DMI: Dell Inc.          Dell DM051          /0HJ054, BIOS A05 03/31/2006
[ 0.000000] e820 update range: 0000000000000000 - 0000000000010000 (usable) ==> (reserved)
[ 0.000000] e820 remove range: 00000000000a0000 - 0000000000010000 (usable)
[ 0.000000] last_pfn = 0xe7e88 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-EFFFF uncachable
[ 0.000000]  F0000-FFFFF 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 0C0000000 mask FE0000000 write-back
[ 0.000000]  3 base 0E0000000 mask FF8000000 write-back
[ 0.000000]  4 base 0E7F00000 mask FFFF00000 uncachable
[ 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] found SMP MP-table at [c00fe710] fe710
[ 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] 00000000000 - 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: 36416000 - 37203000
[ 0.000000] ACPI: RSDP 000feb00 00024 (v02 DELL )
[ 0.000000] ACPI: XSDT 000fd267 0005C (v01 DELL  DM051  00000007 ASL 00000061)
[ 0.000000] ACPI: FACP 000fd35f 000F4 (v03 DELL  DM051  00000007 ASL 00000061)
[ 0.000000] ACPI: DSDT fffc755f 02D0E (v01 DELL  dt_ex 00001000 INTL 20050309)
[ 0.000000] ACPI: FACS e7e88c00 00040
[ 0.000000] ACPI: SSDT fffc38e 000AC (v01 DELL  st_ex 00001000 INTL 20050309)
[ 0.000000] ACPI: APIC 000fd453 00072 (v01 DELL  DM051  00000007 ASL 00000061)
[ 0.000000] ACPI: BOOT 000fd4c5 00028 (v01 DELL  DM051  00000007 ASL 00000061)
[ 0.000000] ACPI: ASF! 000fd4ed 00067 (v16 DELL  DM051  00000007 ASL 00000061)
[ 0.000000] ACPI: MCFG 000fd554 0003E (v01 DELL  DM051  00000007 ASL 00000061)
[ 0.000000] ACPI: HPET 000fd592 00038 (v01 DELL  DM051  00000007 ASL 00000061)
[ 0.000000] ACPI: Local APIC address 0xfec00000
[ 0.000000] 2822MB HIGHMEM available.

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[ 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 -> 0x000e7e88
[ 0.000000] Movable zone start PFN for each node
[ 0.000000] Early memory PFN ranges
[ 0.000000] 0: 0x00000010 -> 0x000000a0
[ 0.000000] 0: 0x00000100 -> 0x000e7e88
[ 0.000000] On node 0 totalpages: 949784
[ 0.000000] free_area_init_node: node 0, pgdat c1498a00, node_mem_map f4716200
[ 0.000000] DMA zone: 32 pages used for memmap
[ 0.000000] DMA zone: 0 pages reserved
[ 0.000000] DMA zone: 3952 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: 5646 pages used for memmap
[ 0.000000] HighMem zone: 716924 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[0x05] disabled)
[ 0.000000] ACPI: LAPIC (acpi_id[0x04] lapic_id[0x07] disabled)
[ 0.000000] ACPI: LAPIC_NMI (acpi_id[0xff] high level lint[0x1])
[ 0.000000] ACPI: IOAPIC (id[0x08] address[0xfec00000] gsi_base[0])
[ 0.000000] IOAPIC[0]: apic_id 8, version 32, 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 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: 0x8086a201 base: 0xfed00000
[ 0.000000] SMP: Allowing 4 CPUs, 2 hotplug CPUs
[ 0.000000] nr_irqs_gsi: 40
[ 0.000000] PM: Registered nosave memory: 00000000000a0000 - 00000000000f0000
[ 0.000000] PM: Registered nosave memory: 00000000000f0000 - 0000000000100000
[ 0.000000] Allocating PCI resources starting at f4000000 (gap: f4000000:ac00000)
[ 0.000000] setup_percpu: NR_CPUS:8 nr_cpumask_bits:8 nr_cpu_ids:4 nr_node_ids:1
[ 0.000000] PERCPU: Embedded 17 pages/cpu @f77a7000 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
[ 0.000000] Built 1 zonelists in Zone order, mobility grouping on. Total pages: 942362
[ 0.000000] Kernel command line: BOOT_IMAGE=/boot/vmlinuz-3.4-9-rtai-686-pae
root=UUID=1dd4629d-c788-4b9f-8212-ce81ac79cc64 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)

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[ 0.000000] Inode-cache hash table entries: 65536 (order: 6, 262144 bytes)
[ 0.000000] Initializing CPU#0
[ 0.000000] allocated 7599040 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:000e7e88)
[ 0.000000] Memory: 3740744k/3799584k available (3495k kernel code, 58392k reserved, 1237k
data, 416k init, 2890280k 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:712 16
[ 0.000000] CPU 0 irqstacks, hard=f3808000 soft=f380a000
[ 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 2660.131 MHz processor.
[ 0.004004] Calibrating delay loop (skipped), value calculated using timer frequency.. 5320.26
BogoMIPS (lpj=10640524)
[ 0.004012] pid_max: default: 32768 minimum: 301
[ 0.008047] Security Framework initialized
[ 0.008055] AppArmor: AppArmor disabled by boot time parameter
[ 0.008090] Mount-cache hash table entries: 512
[ 0.008434] Initializing cgroup subsys cpuacct
[ 0.008439] Initializing cgroup subsys memory
[ 0.008457] Initializing cgroup subsys devices
[ 0.008461] Initializing cgroup subsys freezer
[ 0.008465] Initializing cgroup subsys net_cls
[ 0.008469] Initializing cgroup subsys blkio
[ 0.008484] Initializing cgroup subsys perf_event
[ 0.008541] CPU: Physical Processor ID: 0
[ 0.008545] CPU: Processor Core ID: 0
[ 0.008550] mce: CPU supports 4 MCE banks
[ 0.008564] CPU0: Thermal monitoring enabled (TM2)
[ 0.008660] ACPI: Core revision 20120320
[ 0.079624] Enabling APIC mode: Flat. Using 1 I/O APICs
[ 0.080004] ..TIMER: vector=0x30 apic1=0 pin1=2 apic2=-1 pin2=-1
[ 0.119756] CPU0: Intel(R) Pentium(R) D CPU 2.66GHz stepping 07
[ 0.120006] Performance Events: Netburst events, Netburst P4/Xeon PMU driver.
[ 0.120006] ... version: 0
[ 0.120006] ... bit width: 40
[ 0.120006] ... generic registers: 18
[ 0.120006] ... value mask: 000000ffffffff

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[ 0.120006] ... max period:      0000007fffffffff
[ 0.120006] ... fixed-purpose events:  0
[ 0.120006] ... event mask:      0000000000003fff
[ 0.128041] NMI watchdog: enabled, takes one hw-pmu counter.
[ 0.140048] CPU 1 irqstacks, hard=f389a000 soft=f389c000
[ 0.140053] Booting Node  0, Processors  #1
[ 0.008000] Initializing CPU#1
[ 0.152050] NMI watchdog: enabled, takes one hw-pmu counter.
[ 0.152112] Brought up 2 CPUs
[ 0.152120] Total of 2 processors activated (10640.52 BogoMIPS).
[ 0.153214] devtmpfs: initialized
[ 0.153214] PM: Registering ACPI NVS region [mem 0xe7e88c00-0xe7e8abff] (8192 bytes)
[ 0.153214] dummy:
[ 0.153214] NET: Registered protocol family 16
[ 0.153214] ACPI: bus type pci registered
[ 0.153214] PCI: MMCONFIG for domain 0000 [bus 00-3f] at [mem 0xf0000000-0xf3ffffff]
(base 0xf0000000)
[ 0.153214] PCI: MMCONFIG at [mem 0xf0000000-0xf3ffffff] reserved in E820
[ 0.153214] PCI: Using MMCONFIG for extended config space
[ 0.153214] PCI: Using configuration type 1 for base access
[ 0.156977] bio: create slab <bio-0> at 0
[ 0.156977] ACPI: Added _OSI(Module Device)
[ 0.156977] ACPI: Added _OSI(Processor Device)
[ 0.156977] ACPI: Added _OSI(3.0 _SCP Extensions)
[ 0.156977] ACPI: Added _OSI(Processor Aggregator Device)
[ 0.157878] ACPI: EC: Look up EC in DSDT
[ 0.179868] [Firmware Bug]: ACPI: BIOS _OSI(Linux) query ignored
[ 0.191911] ACPI: Interpreter enabled
[ 0.191938] ACPI: (supports S0 S1 S3 S4 S5)
[ 0.192036] ACPI: Using IOAPIC for interrupt routing
[ 0.259137] ACPI: No dock devices found.
[ 0.259151] PCI: Ignoring host bridge windows from ACPI; if necessary, use "pci=use_crs" and
report a bug
[ 0.262964] ACPI: PCI Root Bridge [PCI0] (domain 0000 [bus 00-ff])
[ 0.270661] pci_root PNP0A03:00: host bridge window [io 0x0000-0x0cf7] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [io 0x0d00-0xffff] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [mem 0x000a0000-0x000bffff] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [mem 0x000c0000-0x000effff] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [mem 0x000f0000-0x000fffff] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [mem 0xe7f00000-0xefffffff] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [mem 0xf4000000-0xfefbffff] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [mem 0xffa80800-0xffa80bff] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [mem 0xffa7c000-0xffa7ffff] (ignored)
[ 0.270661] PCI: root bus 00: using default resources
[ 0.270661] PCI host bridge to bus 0000:00
[ 0.270661] pci_bus 0000:00: root bus resource [io 0x0000-0xffff]
[ 0.270661] pci_bus 0000:00: root bus resource [mem 0x00000000-0xffffffff]
[ 0.270661] pci 0000:00:00.0: [8086:2770] type 00 class 0x060000
[ 0.270661] pci 0000:00:01.0: [8086:2771] type 01 class 0x060400
[ 0.270661] pci 0000:00:01.0: PME# supported from D0 D3hot D3cold
[ 0.270661] pci 0000:00:1b.0: [8086:27d8] type 00 class 0x040300
[ 0.270661] pci 0000:00:1b.0: reg 10: [mem 0xeffc000-0xefffffff 64bit]

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[ 0.270661] pci 0000:00:1b.0: PME# supported from D0 D3hot D3cold
[ 0.270661] pci 0000:00:1c.0: [8086:27d0] type 01 class 0x060400
[ 0.270661] pci 0000:00:1c.0: PME# supported from D0 D3hot D3cold
[ 0.270661] pci 0000:00:1d.0: [8086:27c8] type 00 class 0x0c0300
[ 0.270661] pci 0000:00:1d.0: reg 20: [io 0xff80-0xff9f]
[ 0.270661] pci 0000:00:1d.1: [8086:27c9] type 00 class 0x0c0300
[ 0.270661] pci 0000:00:1d.1: reg 20: [io 0xff60-0xff7f]
[ 0.270661] pci 0000:00:1d.2: [8086:27ca] type 00 class 0x0c0300
[ 0.270661] pci 0000:00:1d.2: reg 20: [io 0xff40-0xff5f]
[ 0.270661] pci 0000:00:1d.3: [8086:27cb] type 00 class 0x0c0300
[ 0.270661] pci 0000:00:1d.3: reg 20: [io 0xff20-0xff3f]
[ 0.270661] pci 0000:00:1d.7: [8086:27cc] type 00 class 0x0c0320
[ 0.270661] pci 0000:00:1d.7: reg 10: [mem 0xffa80800-0xffa80bff]
[ 0.272079] pci 0000:00:1d.7: PME# supported from D0 D3hot D3cold
[ 0.272116] pci 0000:00:1e.0: [8086:244e] type 01 class 0x060401
[ 0.272211] pci 0000:00:1f.0: [8086:27b8] type 00 class 0x060100
[ 0.272332] pci 0000:00:1f.0: ICH7 LPC Generic IO decode 1 PIO at 0c00 (mask 007f)
[ 0.272339] pci 0000:00:1f.0: ICH7 LPC Generic IO decode 2 PIO at 00e0 (mask 0007)
[ 0.272392] pci 0000:00:1f.1: [8086:27df] type 00 class 0x01018a
[ 0.272414] pci 0000:00:1f.1: reg 10: [io 0x01f0-0x01f7]
[ 0.272430] pci 0000:00:1f.1: reg 14: [io 0x03f4-0x03f7]
[ 0.272446] pci 0000:00:1f.1: reg 18: [io 0x0170-0x0177]
[ 0.272462] pci 0000:00:1f.1: reg 1c: [io 0x0374-0x0377]
[ 0.272478] pci 0000:00:1f.1: reg 20: [io 0xffa0-0xffaf]
[ 0.272534] pci 0000:00:1f.2: [8086:27c0] type 00 class 0x01018f
[ 0.272559] pci 0000:00:1f.2: reg 10: [io 0xfe00-0xfe07]
[ 0.272574] pci 0000:00:1f.2: reg 14: [io 0xfe10-0xfe13]
[ 0.272589] pci 0000:00:1f.2: reg 18: [io 0xfe20-0xfe27]
[ 0.272604] pci 0000:00:1f.2: reg 1c: [io 0xfe30-0xfe33]
[ 0.272619] pci 0000:00:1f.2: reg 20: [io 0xfea0-0xfeaf]
[ 0.272634] pci 0000:00:1f.2: reg 24: [mem 0x00000000-0x0000003ff]
[ 0.272674] pci 0000:00:1f.2: PME# supported from D3hot
[ 0.272702] pci 0000:00:1f.3: [8086:27da] type 00 class 0x0c0500
[ 0.272779] pci 0000:00:1f.3: reg 20: [io 0xece0-0xecff]
[ 0.272901] pci 0000:01:00.0: [1002:5b60] type 00 class 0x030000
[ 0.272927] pci 0000:01:00.0: reg 10: [mem 0xea000000-0xebffffff 64bit pref]
[ 0.272948] pci 0000:01:00.0: reg 18: [mem 0xefde0000-0xefdeffff 64bit]
[ 0.272963] pci 0000:01:00.0: reg 20: [io 0xdc00-0xdcff]
[ 0.272988] pci 0000:01:00.0: reg 30: [mem 0xefe00000-0xefe1ffff pref]
[ 0.273022] pci 0000:01:00.0: supports D1 D2
[ 0.273062] pci 0000:01:00.1: [1002:5b70] type 00 class 0x038000
[ 0.273088] pci 0000:01:00.1: reg 10: [mem 0xefdf0000-0xefdfffff 64bit]
[ 0.273168] pci 0000:01:00.1: supports D1 D2
[ 0.273195] pci 0000:01:00.0: disabling ASPM on pre-1.1 PCIe device. You can enable it with
'pcie_aspm=force'
[ 0.273213] pci 0000:00:01.0: PCI bridge to [bus 01-01]
[ 0.273221] pci 0000:00:01.0: bridge window [io 0xd000-0xdfff]
[ 0.273228] pci 0000:00:01.0: bridge window [mem 0xefd00000-0xefefffff]
[ 0.273237] pci 0000:00:01.0: bridge window [mem 0xea000000-0xebffffff 64bit pref]
[ 0.273337] pci 0000:02:00.0: [1002:4d53] type 00 class 0x048000
[ 0.273372] pci 0000:02:00.0: reg 10: [mem 0xefc00000-0xefcfffff]
[ 0.273417] pci 0000:02:00.0: reg 18: [mem 0xec000000-0xedffffff pref]

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[ 0.273594] pci 0000:02:00.0: disabling ASPM on pre-1.1 PCIe device. You can enable it with
'pcie_aspm=force'
[ 0.273614] pci 0000:00:1c.0: PCI bridge to [bus 02-02]
[ 0.273625] pci 0000:00:1c.0: bridge window [mem 0xefc00000-0xefcfffff]
[ 0.273636] pci 0000:00:1c.0: bridge window [mem 0xec000000-0xedffffff 64bit pref]
[ 0.273709] pci 0000:03:08.0: [8086:27dc] type 00 class 0x020000
[ 0.273738] pci 0000:03:08.0: reg 10: [mem 0xefbff000-0xefbfffff]
[ 0.273754] pci 0000:03:08.0: reg 14: [io 0xccc0-0xccff]
[ 0.273844] pci 0000:03:08.0: supports D1 D2
[ 0.273848] pci 0000:03:08.0: PME# supported from D0 D1 D2 D3hot D3cold
[ 0.273907] pci 0000:00:1e.0: PCI bridge to [bus 03-03] (subtractive decode)
[ 0.273915] pci 0000:00:1e.0: bridge window [io 0xc000-0xcfff]
[ 0.273923] pci 0000:00:1e.0: bridge window [mem 0xefb00000-0xefbfffff]
[ 0.273934] pci 0000:00:1e.0: bridge window [io 0x0000-0xffff] (subtractive decode)
[ 0.273940] pci 0000:00:1e.0: bridge window [mem 0x00000000-0xffffffff] (subtractive decode)
[ 0.273964] pci_bus 0000:00: on NUMA node 0
[ 0.273972] ACPI: PCI Interrupt Routing Table [_SB_.PCI0._PRT]
[ 0.275113] ACPI: PCI Interrupt Routing Table [_SB_.PCI0.PCI4._PRT]
[ 0.275882] ACPI: PCI Interrupt Routing Table [_SB_.PCI0.PCI2._PRT]
[ 0.276362] ACPI: PCI Interrupt Routing Table [_SB_.PCI0.PCI1._PRT]
[ 0.276842] pci0000:00: Unable to request _OSC control (_OSC support mask: 0x0f)
[ 0.885664] ACPI: PCI Interrupt Link [LNKA] (IRQs 3 4 5 6 7 9 10 *11 12 15)
[ 0.886195] ACPI: PCI Interrupt Link [LNKB] (IRQs 3 4 5 6 7 *9 10 11 12 15)
[ 0.886687] ACPI: PCI Interrupt Link [LNKC] (IRQs 3 4 *5 6 7 9 10 11 12 15)
[ 0.887172] ACPI: PCI Interrupt Link [LNKD] (IRQs 3 4 5 6 7 9 10 11 12 15) *0, disabled.
[ 0.887705] ACPI: PCI Interrupt Link [LNKE] (IRQs *3 4 5 6 7 9 10 11 12 15)
[ 0.888213] ACPI: PCI Interrupt Link [LNKF] (IRQs 3 4 5 6 7 9 *10 11 12 15)
[ 0.888718] ACPI: PCI Interrupt Link [LNKG] (IRQs 3 4 5 6 7 *9 10 11 12 15)
[ 0.889225] ACPI: PCI Interrupt Link [LNKH] (IRQs 3 *4 5 6 7 9 10 11 12 15)
[ 0.889413] vgaarb: device added:
PCI:0000:01:00.0,decodes=io+mem,owns=io+mem,locks=none
[ 0.889413] vgaarb: loaded
[ 0.889413] vgaarb: bridge control possible 0000:01:00.0
[ 0.889413] PCI: Using ACPI for IRQ routing
[ 0.890500] PCI: pci_cache_line_size set to 64 bytes
[ 0.890634] reserve RAM buffer: 00000000e7e88c00 - 00000000e7ffffff
[ 0.892293] hpet0: at MMIO 0xfed00000, IRQs 2, 8, 0
[ 0.892307] hpet0: 3 comparators, 64-bit 14.318180 MHz counter
[ 0.894341] Switching to clocksource hpet
[ 0.894469] pnp: PnP ACPI init
[ 0.894507] ACPI: bus type pnp registered
[ 0.896139] pnp 00:00: [bus 00-ff]
[ 0.896146] pnp 00:00: [io 0xcf8-0xcff]
[ 0.896152] pnp 00:00: [io 0x0000-0x0cf7 window]
[ 0.896157] pnp 00:00: [io 0xd00-0xffff window]
[ 0.896162] pnp 00:00: [mem 0x000a0000-0x000bffff window]
[ 0.896167] pnp 00:00: [mem 0x000c0000-0x000effff window]
[ 0.896172] pnp 00:00: [mem 0x000f0000-0x000fffff window]
[ 0.896178] pnp 00:00: [mem 0xe7f00000-0xffffffff window]
[ 0.896183] pnp 00:00: [mem 0xf4000000-0xfebfffff window]
[ 0.896188] pnp 00:00: [mem 0xffa80800-0xffa80bff window]
[ 0.896193] pnp 00:00: [mem 0xffa7c000-0xffa7ffff window]

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[0.896268] pnp 00:00: Plug and Play ACPI device, IDs PNP0a03 (active)
[0.899234] pnp 00:01: [io 0x0060]
[0.899240] pnp 00:01: [io 0x0064]
[0.899244] pnp 00:01: [io 0x0062-0x0063]
[0.899249] pnp 00:01: [io 0x0065-0x006f]
[0.899253] pnp 00:01: [io 0x00e0-0x00ef]
[0.899258] pnp 00:01: [io 0x0800-0x085f]
[0.899263] pnp 00:01: [io 0x0c00-0x0c7f]
[0.899267] pnp 00:01: [io 0x0860-0x08ff]
[0.899370] system 00:01: [io 0x0800-0x085f] has been reserved
[0.899377] system 00:01: [io 0x0c00-0x0c7f] has been reserved
[0.899382] system 00:01: [io 0x0860-0x08ff] has been reserved
[0.899389] system 00:01: Plug and Play ACPI device, IDs PNP0c01 (active)
[0.899623] pnp 00:02: [io 0x0080-0x009f]
[0.899629] pnp 00:02: [io 0x0000-0x001f]
[0.899634] pnp 00:02: [io 0x00c0-0x00df]
[0.899639] pnp 00:02: [dma 4]
[0.899694] pnp 00:02: Plug and Play ACPI device, IDs PNP0200 (active)
[0.899868] pnp 00:03: [io 0x00f0-0x00ff]
[0.899885] pnp 00:03: [irq 13]
[0.899944] pnp 00:03: Plug and Play ACPI device, IDs PNP0c04 (active)
[0.900143] pnp 00:04: [io 0x0061]
[0.900204] pnp 00:04: Plug and Play ACPI device, IDs PNP0800 (active)
[0.900374] pnp 00:05: [io 0x0070-0x007f]
[0.900385] pnp 00:05: [irq 8]
[0.900442] pnp 00:05: Plug and Play ACPI device, IDs PNP0b00 (active)
[0.920160] pnp 00:06: [mem 0x00000000-0x0009ffff]
[0.920167] pnp 00:06: [mem 0x00100000-0x00ffffff]
[0.920172] pnp 00:06: [mem 0x01000000-0xe7e88bff]
[0.920177] pnp 00:06: [mem 0x000f0000-0x000fffff]
[0.920182] pnp 00:06: [mem 0x000c0000-0x000cffff]
[0.920186] pnp 00:06: [mem 0xfec00000-0xfecfffff]
[0.920191] pnp 00:06: [mem 0xfe00000-0xfeffffff]
[0.920195] pnp 00:06: [mem 0xfed20000-0xfed9ffff]
[0.920200] pnp 00:06: [mem 0xffb00000-0xffbfffff]
[0.920205] pnp 00:06: [mem 0xffc00000-0xffffffff]
[0.920320] system 00:06: [mem 0x00000000-0x0009ffff] could not be reserved
[0.920328] system 00:06: [mem 0x00100000-0x00ffffff] could not be reserved
[0.920334] system 00:06: [mem 0x01000000-0xe7e88bff] could not be reserved
[0.920341] system 00:06: [mem 0x000f0000-0x000fffff] could not be reserved
[0.920347] system 00:06: [mem 0x000c0000-0x000cffff] could not be reserved
[0.920354] system 00:06: [mem 0xfec00000-0xfecfffff] could not be reserved
[0.920360] system 00:06: [mem 0xfe00000-0xfeffffff] has been reserved
[0.920366] system 00:06: [mem 0xfed20000-0xfed9ffff] has been reserved
[0.920372] system 00:06: [mem 0xffb00000-0xffbfffff] has been reserved
[0.920377] system 00:06: [mem 0xffc00000-0xffffffff] has been reserved
[0.920384] system 00:06: Plug and Play ACPI device, IDs PNP0c01 (active)
[0.923265] pnp 00:07: [mem 0xf0000000-0xf3ffffff]
[0.923271] pnp 00:07: [mem 0xfeda0000-0xfedacfff]
[0.923276] pnp 00:07: [io 0x0100-0x01fe]
[0.923280] pnp 00:07: [io 0x0200-0x0277]
[0.923284] pnp 00:07: [io 0x0280-0x02e7]

[0.923289] pnp 00:07: [io 0x02e8-0x02ef]
[0.923293] pnp 00:07: [io 0x02f0-0x02f7]
[0.923298] pnp 00:07: [io 0x02f8-0x02ff]
[0.923302] pnp 00:07: [io 0x0300-0x0377]
[0.923306] pnp 00:07: [io 0x0380-0x03bb]
[0.923311] pnp 00:07: [io 0x03c0-0x03e7]
[0.923315] pnp 00:07: [io 0x03f6-0x03f7]
[0.923326] pnp 00:07: [io 0x0400-0x04cf]
[0.923330] pnp 00:07: [io 0x04d2-0x057f]
[0.923335] pnp 00:07: [io 0x0580-0x0677]
[0.923339] pnp 00:07: [io 0x0680-0x0777]
[0.923344] pnp 00:07: [io 0x0780-0x07bb]
[0.923348] pnp 00:07: [io 0x07c0-0x07ff]
[0.923353] pnp 00:07: [io 0x08e0-0x08ff]
[0.923357] pnp 00:07: [io 0x0900-0x09fe]
[0.923361] pnp 00:07: [io 0x0a00-0x0afe]
[0.923366] pnp 00:07: [io 0x0b00-0x0bfe]
[0.923370] pnp 00:07: [io 0x0c80-0x0caf]
[0.923375] pnp 00:07: [io 0x0cb0-0x0cbf]
[0.923379] pnp 00:07: [io 0x0cc0-0x0cf7]
[0.923383] pnp 00:07: [io 0x0d00-0x0dfe]
[0.923388] pnp 00:07: [io 0x0e00-0x0efe]
[0.923392] pnp 00:07: [io 0x0f00-0x0ffe]
[0.923397] pnp 00:07: [io 0x2000-0x20fe]
[0.923401] pnp 00:07: [io 0x2100-0x21fe]
[0.923406] pnp 00:07: [io 0x2200-0x22fe]
[0.923410] pnp 00:07: [io 0x2300-0x23fe]
[0.923415] pnp 00:07: [io 0x2400-0x24fe]
[0.923419] pnp 00:07: [io 0x2500-0x25fe]
[0.923423] pnp 00:07: [io 0x2600-0x26fe]
[0.923428] pnp 00:07: [io 0x2700-0x27fe]
[0.923432] pnp 00:07: [io 0x2800-0x28fe]
[0.923437] pnp 00:07: [io 0x2900-0x29fe]
[0.923441] pnp 00:07: [io 0x2a00-0x2afe]
[0.923446] pnp 00:07: [io 0x2b00-0x2bfe]
[0.923450] pnp 00:07: [io 0x2c00-0x2cfe]
[0.923454] pnp 00:07: [io 0x2d00-0x2dfe]
[0.923459] pnp 00:07: [io 0x2e00-0x2efe]
[0.923463] pnp 00:07: [io 0x2f00-0x2ffe]
[0.923468] pnp 00:07: [io 0x5000-0x50fe]
[0.923472] pnp 00:07: [io 0x5100-0x51fe]
[0.923476] pnp 00:07: [io 0x5200-0x52fe]
[0.923481] pnp 00:07: [io 0x5300-0x53fe]
[0.923485] pnp 00:07: [io 0x5400-0x54fe]
[0.923490] pnp 00:07: [io 0x5500-0x55fe]
[0.923494] pnp 00:07: [io 0x5600-0x56fe]
[0.923498] pnp 00:07: [io 0x5700-0x57fe]
[0.923503] pnp 00:07: [io 0x5800-0x58fe]
[0.923507] pnp 00:07: [io 0x5900-0x59fe]
[0.923512] pnp 00:07: [io 0x5a00-0x5afe]
[0.923516] pnp 00:07: [io 0x5b00-0x5bfe]
[0.923521] pnp 00:07: [io 0x5c00-0x5cfe]

[0.923525] pnp 00:07: [io 0x5d00-0x5dfe]
[0.923529] pnp 00:07: [io 0x5e00-0x5efe]
[0.923534] pnp 00:07: [io 0x5f00-0x5ffe]
[0.923538] pnp 00:07: [io 0x6000-0x60fe]
[0.923543] pnp 00:07: [io 0x6100-0x61fe]
[0.923547] pnp 00:07: [io 0x6200-0x62fe]
[0.923551] pnp 00:07: [io 0x6300-0x63fe]
[0.923556] pnp 00:07: [io 0x6400-0x64fe]
[0.923560] pnp 00:07: [io 0x6500-0x65fe]
[0.923565] pnp 00:07: [io 0x6600-0x66fe]
[0.923569] pnp 00:07: [io 0x6700-0x67fe]
[0.923574] pnp 00:07: [io 0x6800-0x68fe]
[0.923578] pnp 00:07: [io 0x6900-0x69fe]
[0.923582] pnp 00:07: [io 0x6a00-0x6afe]
[0.923589] pnp 00:07: [io 0x6b00-0x6bfe]
[0.923593] pnp 00:07: [io 0x6c00-0x6cfe]
[0.923598] pnp 00:07: [io 0x6d00-0x6dfe]
[0.923602] pnp 00:07: [io 0x6e00-0x6efe]
[0.923606] pnp 00:07: [io 0x6f00-0x6ffe]
[0.923611] pnp 00:07: [io 0xa000-0xa0fe]
[0.923615] pnp 00:07: [io 0xa100-0xa1fe]
[0.923620] pnp 00:07: [io 0xa200-0xa2fe]
[0.923624] pnp 00:07: [io 0xa300-0xa3fe]
[0.923629] pnp 00:07: [io 0xa400-0xa4fe]
[0.923633] pnp 00:07: [io 0xa500-0xa5fe]
[0.923637] pnp 00:07: [io 0xa600-0xa6fe]
[0.923642] pnp 00:07: [io 0xa700-0xa7fe]
[0.923646] pnp 00:07: [io 0xa800-0xa8fe]
[0.923651] pnp 00:07: [io 0xa900-0xa9fe]
[0.923655] pnp 00:07: [io 0xaa00-0xaafe]
[0.923659] pnp 00:07: [io 0xab00-0xabfe]
[0.923664] pnp 00:07: [io 0xac00-0xacfe]
[0.923668] pnp 00:07: [io 0xad00-0xadfe]
[0.923673] pnp 00:07: [io 0xae00-0xaeff]
[0.923677] pnp 00:07: [io 0xaf00-0xafff]
[0.924161] system 00:07: [io 0x0100-0x01fe] could not be reserved
[0.924168] system 00:07: [io 0x0200-0x027f] has been reserved
[0.924174] system 00:07: [io 0x0280-0x02ef] has been reserved
[0.924179] system 00:07: [io 0x02f0-0x02ff] has been reserved
[0.924185] system 00:07: [io 0x0300-0x037f] has been reserved
[0.924190] system 00:07: [io 0x0380-0x03ff] has been reserved
[0.924196] system 00:07: [io 0x0400-0x047f] could not be reserved
[0.924202] system 00:07: [io 0x0480-0x04ff] has been reserved
[0.924208] system 00:07: [io 0x0500-0x057f] could not be reserved
[0.924214] system 00:07: [io 0x0580-0x05ff] could not be reserved
[0.924219] system 00:07: [io 0x0600-0x06ff] has been reserved
[0.924225] system 00:07: [io 0x0700-0x077f] has been reserved
[0.924230] system 00:07: [io 0x0780-0x07ff] has been reserved
[0.924236] system 00:07: [io 0x0800-0x08ff] has been reserved
[0.924241] system 00:07: [io 0x0900-0x09ff] has been reserved
[0.924247] system 00:07: [io 0x0a00-0x0aff] has been reserved
[0.924252] system 00:07: [io 0x0b00-0x0bff] has been reserved

[0.924258] system 00:07: [io 0x0900-0x09fe] has been reserved
[0.924263] system 00:07: [io 0x0a00-0x0afe] has been reserved
[0.924269] system 00:07: [io 0x0b00-0x0bfe] has been reserved
[0.924274] system 00:07: [io 0x0c80-0x0caf] has been reserved
[0.924280] system 00:07: [io 0x0cb0-0x0cbf] has been reserved
[0.924285] system 00:07: [io 0x0cc0-0x0cf7] has been reserved
[0.924291] system 00:07: [io 0x0d00-0x0dfe] has been reserved
[0.924297] system 00:07: [io 0x0e00-0x0efe] has been reserved
[0.924302] system 00:07: [io 0x0f00-0x0ffe] has been reserved
[0.924308] system 00:07: [io 0x2000-0x20fe] has been reserved
[0.924313] system 00:07: [io 0x2100-0x21fe] has been reserved
[0.924319] system 00:07: [io 0x2200-0x22fe] has been reserved
[0.924325] system 00:07: [io 0x2300-0x23fe] has been reserved
[0.924330] system 00:07: [io 0x2400-0x24fe] has been reserved
[0.924336] system 00:07: [io 0x2500-0x25fe] has been reserved
[0.924341] system 00:07: [io 0x2600-0x26fe] has been reserved
[0.924347] system 00:07: [io 0x2700-0x27fe] has been reserved
[0.924353] system 00:07: [io 0x2800-0x28fe] has been reserved
[0.924359] system 00:07: [io 0x2900-0x29fe] has been reserved
[0.924365] system 00:07: [io 0x2a00-0x2afe] has been reserved
[0.924370] system 00:07: [io 0x2b00-0x2bfe] has been reserved
[0.924376] system 00:07: [io 0x2c00-0x2cfe] has been reserved
[0.924382] system 00:07: [io 0x2d00-0x2dfe] has been reserved
[0.924387] system 00:07: [io 0x2e00-0x2efe] has been reserved
[0.924393] system 00:07: [io 0x2f00-0x2ffe] has been reserved
[0.924399] system 00:07: [io 0x5000-0x50fe] has been reserved
[0.924404] system 00:07: [io 0x5100-0x51fe] has been reserved
[0.924410] system 00:07: [io 0x5200-0x52fe] has been reserved
[0.924416] system 00:07: [io 0x5300-0x53fe] has been reserved
[0.924422] system 00:07: [io 0x5400-0x54fe] has been reserved
[0.924427] system 00:07: [io 0x5500-0x55fe] has been reserved
[0.924433] system 00:07: [io 0x5600-0x56fe] has been reserved
[0.924439] system 00:07: [io 0x5700-0x57fe] has been reserved
[0.924445] system 00:07: [io 0x5800-0x58fe] has been reserved
[0.924450] system 00:07: [io 0x5900-0x59fe] has been reserved
[0.924456] system 00:07: [io 0x5a00-0x5afe] has been reserved
[0.924462] system 00:07: [io 0x5b00-0x5bfe] has been reserved
[0.924468] system 00:07: [io 0x5c00-0x5cfe] has been reserved
[0.924474] system 00:07: [io 0x5d00-0x5dfe] has been reserved
[0.924480] system 00:07: [io 0x5e00-0x5efe] has been reserved
[0.924486] system 00:07: [io 0x5f00-0x5ffe] has been reserved
[0.924492] system 00:07: [io 0x6000-0x60fe] has been reserved
[0.924497] system 00:07: [io 0x6100-0x61fe] has been reserved
[0.924506] system 00:07: [io 0x6200-0x62fe] has been reserved
[0.924512] system 00:07: [io 0x6300-0x63fe] has been reserved
[0.924518] system 00:07: [io 0x6400-0x64fe] has been reserved
[0.924524] system 00:07: [io 0x6500-0x65fe] has been reserved
[0.924530] system 00:07: [io 0x6600-0x66fe] has been reserved
[0.924536] system 00:07: [io 0x6700-0x67fe] has been reserved
[0.924542] system 00:07: [io 0x6800-0x68fe] has been reserved
[0.924548] system 00:07: [io 0x6900-0x69fe] has been reserved
[0.924554] system 00:07: [io 0x6a00-0x6afe] has been reserved

[0.924561] system 00:07: [io 0x6b00-0x6bfe] has been reserved
[0.924567] system 00:07: [io 0x6c00-0x6cfe] has been reserved
[0.924573] system 00:07: [io 0x6d00-0x6dfe] has been reserved
[0.924579] system 00:07: [io 0x6e00-0x6efe] has been reserved
[0.924586] system 00:07: [io 0x6f00-0x6ffe] has been reserved
[0.924592] system 00:07: [io 0xa000-0xa0fe] has been reserved
[0.924598] system 00:07: [io 0xa100-0xa1fe] has been reserved
[0.924604] system 00:07: [io 0xa200-0xa2fe] has been reserved
[0.924611] system 00:07: [io 0xa300-0xa3fe] has been reserved
[0.924617] system 00:07: [io 0xa400-0xa4fe] has been reserved
[0.924623] system 00:07: [io 0xa500-0xa5fe] has been reserved
[0.924630] system 00:07: [io 0xa600-0xa6fe] has been reserved
[0.924636] system 00:07: [io 0xa700-0xa7fe] has been reserved
[0.924643] system 00:07: [io 0xa800-0xa8fe] has been reserved
[0.924649] system 00:07: [io 0xa900-0xa9fe] has been reserved
[0.924656] system 00:07: [io 0xaa00-0xaafe] has been reserved
[0.924662] system 00:07: [io 0xab00-0xabfe] has been reserved
[0.924669] system 00:07: [io 0xac00-0xacfe] has been reserved
[0.924675] system 00:07: [io 0xad00-0xadfe] has been reserved
[0.924682] system 00:07: [io 0xae00-0xae0e] has been reserved
[0.924689] system 00:07: [io 0xaf00-0xaf0e] has been reserved
[0.924696] system 00:07: [mem 0xf0000000-0xf3ffffff] has been reserved
[0.924702] system 00:07: [mem 0xfeda0000-0xfedacfff] has been reserved
[0.924709] system 00:07: Plug and Play ACPI device, IDs PNP0c02 (active)
[0.924723] pnp: PnP ACPI: found 8 devices
[0.924726] ACPI: ACPI bus type pnp unregistered
[0.924733] PnPBIOS: Disabled by ACPI PNP
[0.964887] pci 0000:00:1c.0: bridge window [io 0x1000-0x0fff] to [bus 02-02] add_size 1000
[0.964912] pci 0000:00:1c.0: res[13]=[io 0x1000-0x0fff] get_res add_size add_size 1000
[0.964923] pci 0000:00:1c.0: BAR 13: assigned [io 0x1000-0x1fff]
[0.964931] pci 0000:00:1f.2: BAR 5: assigned [mem 0xf4000000-0xf40003ff]
[0.964943] pci 0000:00:01.0: PCI bridge to [bus 01-01]
[0.964951] pci 0000:00:01.0: bridge window [io 0xd000-0xdfff]
[0.964959] pci 0000:00:01.0: bridge window [mem 0xefd00000-0xefefffff]
[0.964967] pci 0000:00:01.0: bridge window [mem 0xea000000-0xebffffff 64bit pref]
[0.964977] pci 0000:00:1c.0: PCI bridge to [bus 02-02]
[0.964983] pci 0000:00:1c.0: bridge window [io 0x1000-0x1fff]
[0.964992] pci 0000:00:1c.0: bridge window [mem 0xefc00000-0xefcfffff]
[0.965000] pci 0000:00:1c.0: bridge window [mem 0xec000000-0xedffffff 64bit pref]
[0.965010] pci 0000:00:1e.0: PCI bridge to [bus 03-03]
[0.965016] pci 0000:00:1e.0: bridge window [io 0xc000-0xcfff]
[0.965026] pci 0000:00:1e.0: bridge window [mem 0xefb00000-0xefbfffff]
[0.965079] pci 0000:00:1e.0: setting latency timer to 64
[0.965088] pci_bus 0000:00: resource 4 [io 0x0000-0xffff]
[0.965093] pci_bus 0000:00: resource 5 [mem 0x00000000-0xffffffff]
[0.965098] pci_bus 0000:01: resource 0 [io 0xd000-0xdfff]
[0.965103] pci_bus 0000:01: resource 1 [mem 0xefd00000-0xefefffff]
[0.965108] pci_bus 0000:01: resource 2 [mem 0xea000000-0xebffffff 64bit pref]
[0.965113] pci_bus 0000:02: resource 0 [io 0x1000-0x1fff]
[0.965118] pci_bus 0000:02: resource 1 [mem 0xefc00000-0xefcfffff]
[0.965123] pci_bus 0000:02: resource 2 [mem 0xec000000-0xedffffff 64bit pref]
[0.965128] pci_bus 0000:03: resource 0 [io 0xc000-0xcfff]

[0.965132] pci_bus 0000:03: resource 1 [mem 0xefb00000-0xefbfffff]
[0.965137] pci_bus 0000:03: resource 4 [io 0x0000-0xffff]
[0.965142] pci_bus 0000:03: resource 5 [mem 0x00000000-0xffffffff]
[0.965288] NET: Registered protocol family 2
[0.965411] IP route cache hash table entries: 32768 (order: 5, 131072 bytes)
[0.965769] TCP established hash table entries: 131072 (order: 8, 1048576 bytes)
[0.966332] TCP bind hash table entries: 65536 (order: 7, 524288 bytes)
[0.966671] TCP: Hash tables configured (established 131072 bind 65536)
[0.966676] TCP: reno registered
[0.966682] UDP hash table entries: 512 (order: 2, 16384 bytes)
[0.966698] UDP-Lite hash table entries: 512 (order: 2, 16384 bytes)
[0.966905] NET: Registered protocol family 1
[0.967181] pci 0000:01:00.0: Boot video device
[0.967216] pci 0000:03:08.0: Firmware left e100 interrupts enabled; disabling
[0.967227] PCI: CLS 64 bytes, default 64
[0.967330] Unpacking initramfs...
[1.440936] Freeing initrd memory: 14260k freed
[1.451340] Simple Boot Flag at 0x7a set to 0x1
[1.452151] audit: initializing netlink socket (disabled)
[1.452183] type=2000 audit(1485983303.448:1): initialized
[1.470069] highmem bounce pool size: 64 pages
[1.470080] HugeTLB registered 4 MB page size, pre-allocated 0 pages
[1.470469] VFS: Disk quotas dquot_6.5.2
[1.470519] Dquot-cache hash table entries: 1024 (order 0, 4096 bytes)
[1.470658] msgmni has been set to 1688
[1.471012] alg: No test for stdrng (krng)
[1.471076] Block layer SCSI generic (bsg) driver version 0.4 loaded (major 253)
[1.471083] io scheduler noop registered
[1.471087] io scheduler deadline registered
[1.471129] io scheduler cfq registered (default)
[1.471482] pci_hotplug: PCI Hot Plug PCI Core version: 0.5
[1.471522] pciehp: PCI Express Hot Plug Controller Driver version: 0.4
[1.471526] acpiphp: ACPI Hot Plug PCI Controller Driver version: 0.5
[1.472451] GHES: HEST is not enabled!
[1.472477] isapnp: Scanning for PnP cards...
[1.826016] isapnp: No Plug & Play device found
[1.826123] Serial: 8250/16550 driver, 4 ports, IRQ sharing enabled
[1.826817] Linux agpgart interface v0.103
[1.827363] i8042: PNP: No PS/2 controller found. Probing ports directly.
[1.830183] serio: i8042 KBD port at 0x60,0x64 irq 1
[1.830245] serio: i8042 AUX port at 0x60,0x64 irq 12
[1.830474] mousedev: PS/2 mouse device common for all mice
[1.830562] rtc_cmos 00:05: RTC can wake from S4
[1.830763] rtc_cmos 00:05: rtc core: registered rtc_cmos as rtc0
[1.830800] rtc0: alarms up to one day, 242 bytes nvram, hpet irqs
[1.830985] TCP: cubic registered
[1.831104] NET: Registered protocol family 10
[1.831500] Mobile IPv6
[1.831507] NET: Registered protocol family 17
[1.831517] Registering the dns_resolver key type
[1.831611] Using IPI No-Shortcut mode
[1.831843] PM: Hibernation image not present or could not be loaded.

[1.831869] registered taskstats version 1
[1.832483] rtc_cmos 00:05: setting system clock to 2017-02-01 21:08:24 UTC (1485983304)
[1.832702] Freeing unused kernel memory: 416k freed
[1.833097] Write protecting the kernel text: 3496k
[1.833137] Write protecting the kernel read-only data: 984k
[1.856686] udevd[50]: starting version 175
[1.887148] SCSI subsystem initialized
[1.908520] usbcore: registered new interface driver usbfs
[1.908568] usbcore: registered new interface driver hub
[1.909583] libata version 3.00 loaded.
[1.910281] ata_piix 0000:00:1f.1: version 2.13
[1.910382] ata_piix 0000:00:1f.1: setting latency timer to 64
[1.915885] usbcore: registered new device driver usb
[1.916803] ehci_hcd: USB 2.0 'Enhanced' Host Controller (EHCI) Driver
[1.917102] scsi0 : ata_piix
[1.923847] scsi1 : ata_piix
[1.926147] ata1: PATA max UDMA/100 cmd 0x1f0 ctl 0x3f6 bmdma 0xffa0 irq 14
[1.926156] ata2: PATA max UDMA/100 cmd 0x170 ctl 0x376 bmdma 0xffa8 irq 15
[1.927276] ata_piix 0000:00:1f.2: MAP [P0 P2 P1 P3]
[1.928156] ata2: port disabled--ignoring
[1.944665] uhci_hcd: USB Universal Host Controller Interface driver
[1.957797] microcode: CPU0 sig=0xf47, pf=0x10, revision=0x3
[1.998125] microcode: CPU1 sig=0xf47, pf=0x10, revision=0x3
[2.003057] microcode: Microcode Update Driver: v2.00 <tigran@aivazian.fsnet.co.uk>, Peter

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[2.080063] ata_piix 0000:00:1f.2: setting latency timer to 64
[2.080794] scsi2 : ata_piix
[2.080942] scsi3 : ata_piix
[2.081041] ata3: SATA max UDMA/133 cmd 0xfe00 ctl 0xfe10 bmdma 0xfea0 irq 20
[2.081047] ata4: SATA max UDMA/133 cmd 0xfe20 ctl 0xfe30 bmdma 0xfea8 irq 20
[2.081180] ehci_hcd 0000:00:1d.7: setting latency timer to 64
[2.081191] ehci_hcd 0000:00:1d.7: EHCI Host Controller
[2.081269] ehci_hcd 0000:00:1d.7: new USB bus registered, assigned bus number 1
[2.081304] ehci_hcd 0000:00:1d.7: using broken periodic workaround
[2.081322] ehci_hcd 0000:00:1d.7: debug port 1
[2.085224] ehci_hcd 0000:00:1d.7: cache line size of 64 is not supported
[2.085257] ehci_hcd 0000:00:1d.7: irq 21, io mem 0xffa80800
[2.088434] ata1.00: ATAPI: HL-DT-STDVD+-RW GSA-H21N, A105, max UDMA/33
[2.096037] ehci_hcd 0000:00:1d.7: USB 2.0 started, EHCI 1.00
[2.096163] usb usb1: New USB device found, idVendor=1d6b, idProduct=0002
[2.096173] usb usb1: New USB device strings: Mfr=3, Product=2, SerialNumber=1
[2.096190] usb usb1: Product: EHCI Host Controller
[2.096198] usb usb1: Manufacturer: Linux 3.4-9-rtai-686-pae ehci_hcd
[2.096209] usb usb1: SerialNumber: 0000:00:1d.7
[2.096464] hub 1-0:1.0: USB hub found
[2.096475] hub 1-0:1.0: 8 ports detected
[2.096725] uhci_hcd 0000:00:1d.0: setting latency timer to 64
[2.096734] uhci_hcd 0000:00:1d.0: UHCI Host Controller
[2.096750] uhci_hcd 0000:00:1d.0: new USB bus registered, assigned bus number 2
[2.096787] uhci_hcd 0000:00:1d.0: irq 21, io base 0x0000ff80
[2.096857] usb usb2: New USB device found, idVendor=1d6b, idProduct=0001
[2.096863] usb usb2: New USB device strings: Mfr=3, Product=2, SerialNumber=1

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[ 2.096869] usb usb2: Product: UHCI Host Controller
[ 2.096877] usb usb2: Manufacturer: Linux 3.4-9-rtai-686-pae uhci_hcd
[ 2.096883] usb usb2: SerialNumber: 0000:00:1d.0
[ 2.097621] hub 2-0:1.0: USB hub found
[ 2.097634] hub 2-0:1.0: 2 ports detected
[ 2.097801] uhci_hcd 0000:00:1d.1: setting latency timer to 64
[ 2.097809] uhci_hcd 0000:00:1d.1: UHCI Host Controller
[ 2.097825] uhci_hcd 0000:00:1d.1: new USB bus registered, assigned bus number 3
[ 2.097882] uhci_hcd 0000:00:1d.1: irq 22, io base 0x0000ff60
[ 2.097948] usb usb3: New USB device found, idVendor=1d6b, idProduct=0001
[ 2.097954] usb usb3: New USB device strings: Mfr=3, Product=2, SerialNumber=1
[ 2.097959] usb usb3: Product: UHCI Host Controller
[ 2.097963] usb usb3: Manufacturer: Linux 3.4-9-rtai-686-pae uhci_hcd
[ 2.097967] usb usb3: SerialNumber: 0000:00:1d.1
[ 2.098314] hub 3-0:1.0: USB hub found
[ 2.098325] hub 3-0:1.0: 2 ports detected
[ 2.098488] uhci_hcd 0000:00:1d.2: setting latency timer to 64
[ 2.098495] uhci_hcd 0000:00:1d.2: UHCI Host Controller
[ 2.098510] uhci_hcd 0000:00:1d.2: new USB bus registered, assigned bus number 4
[ 2.098560] uhci_hcd 0000:00:1d.2: irq 18, io base 0x0000ff40
[ 2.098625] usb usb4: New USB device found, idVendor=1d6b, idProduct=0001
[ 2.098630] usb usb4: New USB device strings: Mfr=3, Product=2, SerialNumber=1
[ 2.098635] usb usb4: Product: UHCI Host Controller
[ 2.098639] usb usb4: Manufacturer: Linux 3.4-9-rtai-686-pae uhci_hcd
[ 2.098643] usb usb4: SerialNumber: 0000:00:1d.2
[ 2.099778] hub 4-0:1.0: USB hub found
[ 2.099790] hub 4-0:1.0: 2 ports detected
[ 2.099974] uhci_hcd 0000:00:1d.3: setting latency timer to 64
[ 2.099982] uhci_hcd 0000:00:1d.3: UHCI Host Controller
[ 2.100039] uhci_hcd 0000:00:1d.3: new USB bus registered, assigned bus number 5
[ 2.100097] uhci_hcd 0000:00:1d.3: irq 23, io base 0x0000ff20
[ 2.100165] usb usb5: New USB device found, idVendor=1d6b, idProduct=0001
[ 2.100174] usb usb5: New USB device strings: Mfr=3, Product=2, SerialNumber=1
[ 2.100180] usb usb5: Product: UHCI Host Controller
[ 2.100184] usb usb5: Manufacturer: Linux 3.4-9-rtai-686-pae uhci_hcd
[ 2.100189] usb usb5: SerialNumber: 0000:00:1d.3
[ 2.100820] hub 5-0:1.0: USB hub found
[ 2.100832] hub 5-0:1.0: 2 ports detected
[ 2.104354] ata1.00: configured for UDMA/33
[ 2.107462] scsi 0:0:0:0: CD-ROM          HL-DT-ST DVD+-RW GSA-H21N A105 PQ: 0 ANSI:
5
[ 2.251210] ata3.00: ATA-8: WDC WD10EARS-00Y5B1, 80.00A80, max UDMA/133
[ 2.251217] ata3.00: 1953525168 sectors, multi 8: LBA48 NCQ (depth 0/32)
[ 2.264322] ata3.00: configured for UDMA/133
[ 2.264491] scsi 2:0:0:0: Direct-Access  ATA  WDC WD10EARS-00Y 80.0 PQ: 0 ANSI: 5
[ 2.265558] e100: Intel(R) PRO/100 Network Driver, 3.5.24-k2-NAPI
[ 2.265566] e100: Copyright(c) 1999-2006 Intel Corporation
[ 2.285525] sd 2:0:0:0: [sda] 1953525168 512-byte logical blocks: (1.00 TB/931 GiB)
[ 2.285663] sd 2:0:0:0: [sda] Write Protect is off
[ 2.285672] sd 2:0:0:0: [sda] Mode Sense: 00 3a 00 00
[ 2.285733] sd 2:0:0:0: [sda] Write cache: enabled, read cache: enabled, doesn't support DPO or
FUA

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[ 2.290015] sr0: scsi3-mmc drive: 48x/48x writer cd/rw xa/form2 cdda tray
[ 2.290026] cdrom: Uniform CD-ROM driver Revision: 3.20
[ 2.290736] sr 0:0:0:0: Attached scsi CD-ROM sr0
[ 2.296728] e100 0000:03:08:0: eth0: addr 0xefbfff000, irq 20, MAC addr 00:13:72:e4:e2:3e
[ 2.314446] sda: sda1 sda2 < sda5 >
[ 2.315139] sd 2:0:0:0: [sda] Attached SCSI disk
[ 2.319435] sr 0:0:0:0: Attached scsi generic sg0 type 5
[ 2.319742] sd 2:0:0:0: Attached scsi generic sg1 type 0
[ 2.448032] Refined TSC clocksource calibration: 2659.999 MHz.
[ 2.448045] Switching to clocksource tsc
[ 2.520030] usb 1-3: new high-speed USB device number 4 using ehci_hcd
[ 2.725826] usb 1-3: New USB device found, idVendor=0644, idProduct=0200
[ 2.725835] usb 1-3: New USB device strings: Mfr=1, Product=2, SerialNumber=3
[ 2.725842] usb 1-3: Product: CA-200
[ 2.725846] usb 1-3: Manufacturer: TEAC
[ 2.725850] usb 1-3: SerialNumber: 000001084787
[ 2.730731] Initializing USB Mass Storage driver...
[ 2.730932] scsi4 : usb-storage 1-3:1.0
[ 2.731081] usbcore: registered new interface driver usb-storage
[ 2.731087] USB Mass Storage support registered.
[ 2.964030] usb 2-1: new low-speed USB device number 2 using uhci_hcd
[ 3.171854] usb 2-1: New USB device found, idVendor=413c, idProduct=2105
[ 3.171860] usb 2-1: New USB device strings: Mfr=1, Product=2, SerialNumber=0
[ 3.171866] usb 2-1: Product: Dell USB Keyboard
[ 3.171870] usb 2-1: Manufacturer: Dell
[ 3.246719] input: Dell Dell USB Keyboard as /devices/pci0000:00/0000:00:1d.0/usb2/2-1/2-1:1.0/input/input0
[ 3.246894] generic-usb 0003:413C:2105.0001: input,hidraw0: USB HID v1.10 Keyboard [Dell Dell USB Keyboard] on usb-0000:00:1d.0-1/input0
[ 3.247220] usbcore: registered new interface driver usbhid
[ 3.247226] usbhid: USB HID core driver
[ 3.444025] usb 2-2: new low-speed USB device number 3 using uhci_hcd
[ 3.620855] usb 2-2: New USB device found, idVendor=046d, idProduct=c03f
[ 3.620862] usb 2-2: New USB device strings: Mfr=1, Product=2, SerialNumber=0
[ 3.620867] usb 2-2: Product: USB-PS/2 Optical Mouse
[ 3.620871] usb 2-2: Manufacturer: Logitech
[ 3.637577] input: Logitech USB-PS/2 Optical Mouse as /devices/pci0000:00/0000:00:1d.0/usb2/2-2/2-2:1.0/input/input1
[ 3.637745] generic-usb 0003:046D:C03F.0002: input,hidraw1: USB HID v1.10 Mouse [Logitech USB-PS/2 Optical Mouse] on usb-0000:00:1d.0-2/input0
[ 3.737995] scsi 4:0:0:0: Direct-Access TEAC USB HS-CF Card 4.00 PQ: 0 ANSI: 0
[ 3.741731] scsi 4:0:0:1: Direct-Access TEAC USB HS-xD/SM 4.00 PQ: 0 ANSI: 0
[ 3.745479] scsi 4:0:0:2: Direct-Access TEAC USB HS-MS Card 4.00 PQ: 0 ANSI: 0
[ 3.749105] scsi 4:0:0:3: Direct-Access TEAC USB HS-SD Card 4.00 PQ: 0 ANSI: 0
[ 3.751376] sd 4:0:0:0: Attached scsi generic sg2 type 0
[ 3.752494] sd 4:0:0:1: Attached scsi generic sg3 type 0
[ 3.754579] sd 4:0:0:2: Attached scsi generic sg4 type 0
[ 3.755041] sd 4:0:0:3: Attached scsi generic sg5 type 0
[ 3.906350] sd 4:0:0:0: [sdb] Attached SCSI removable disk
[ 3.910839] sd 4:0:0:1: [sdc] Attached SCSI removable disk
[ 3.915464] sd 4:0:0:2: [sdd] Attached SCSI removable disk
[ 3.919457] sd 4:0:0:3: [sde] Attached SCSI removable disk

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[7.719359] PM: Starting manual resume from disk
[7.719367] PM: Hibernation image partition 8:5 present
[7.719371] PM: Looking for hibernation image.
[7.719683] PM: Image not found (code -22)
[7.719688] PM: Hibernation image not present or could not be loaded.
[7.946247] EXT4-fs (sda1): mounted filesystem with ordered data mode. Opts: (null)
[9.815699] udevd[368]: starting version 175
[10.069609] input: Power Button as
/devices/LNXSYSTM:00/LNXXSYBUS:00/PNP0C0C:00/input/input2
[10.069626] ACPI: Power Button [VBTN]
[10.070036] input: Power Button as /devices/LNXSYSTM:00/LNXPWRBN:00/input/input3
[10.070046] ACPI: Power Button [PWRF]
[10.378073] dcdbas dcdbas: Dell Systems Management Base Driver (version 5.6.0-3.2)
[10.389101] intel_rng: Firmware space is locked read-only. If you can't or
[10.389105] intel_rng: don't want to disable this in firmware setup, and if
[10.389107] intel_rng: you are certain that your system has a functional
[10.389109] intel_rng: RNG, try using the 'no_fw_h_detect' option.
[10.423935] iTCO_vendor_support: vendor-support=0
[10.469363] iTCO_wdt: Intel TCO WatchDog Timer Driver v1.07
[10.469511] iTCO_wdt: Found a ICH7 or ICH7R TCO device (Version=2, TCOBASE=0x0860)
[10.470996] iTCO_wdt: initialized. heartbeat=30 sec (nowayout=0)
[10.518552] leds_ss4200: no LED devices found
[10.634814] [drm] Initialized drm 1.1.0 20060810
[10.733824] [drm] radeon kernel modesetting enabled.
[10.734360] [drm] initializing kernel modesetting (RV380 0x1002:0x5B60 0x1002:0x0602).
[10.734398] [drm] register mmio base: 0xEFDE0000
[10.734403] [drm] register mmio size: 65536
[10.734574] [drm] Generation 2 PCI interface, using max accessible memory
[10.734584] radeon 0000:01:00.0: VRAM: 32M 0x00000000EA000000 - 0x00000000EBFFFFFF
(32M used)
[10.734590] radeon 0000:01:00.0: GTT: 512M 0x00000000CA000000 - 0x00000000E9FFFFFF
[10.735418] [drm] Detected VRAM RAM=32M, BAR=32M
[10.735424] [drm] RAM width 64bits DDR
[10.735558] [TTM] Zone kernel: Available graphics memory: 432570 kiB
[10.735563] [TTM] Zone highmem: Available graphics memory: 1877710 kiB
[10.735567] [TTM] Initializing pool allocator
[10.735612] [drm] radeon: 32M of VRAM memory ready
[10.735617] [drm] radeon: 512M of GTT memory ready.
[10.735659] [drm] GART: num cpu pages 131072, num gpu pages 131072
[10.736739] [drm] radeon: ib pool ready.
[10.736910] [drm] radeon: 1 quad pipes, 1 Z pipes initialized.
[10.738398] [drm] PCIE GART of 512M enabled (table at 0x00000000EA040000).
[10.738430] radeon 0000:01:00.0: WB enabled
[10.738437] [drm] fence driver on ring 0 use gpu addr 0xca000000 and cpu addr 0xff958000
[10.738445] [drm] Supports vblank timestamp caching Rev 1 (10.10.2010).
[10.738448] [drm] Driver supports precise vblank timestamp query.
[10.738466] [drm] radeon: irq initialized.
[10.738819] [drm] Loading R300 Microcode
[10.757975] input: HDA Intel Front Mic as /devices/pci0000:00/0000:00:1b.0/sound/card0/input4
[10.758165] input: HDA Intel Rear Mic as /devices/pci0000:00/0000:00:1b.0/sound/card0/input5
[10.758352] input: HDA Intel Front Headphone as
/devices/pci0000:00/0000:00:1b.0/sound/card0/input6

[10.758509] input: HDA Intel Speaker CLFE as
/devices/pci0000:00/0000:00:1b.0/sound/card0/input7
[10.758672] input: HDA Intel Speaker Surround as
/devices/pci0000:00/0000:00:1b.0/sound/card0/input8
[10.758830] input: HDA Intel Speaker Front as
/devices/pci0000:00/0000:00:1b.0/sound/card0/input9
[10.853127] [drm] radeon: ring at 0x00000000CA001000
[10.853153] [drm] ring test succeeded in 1 usecs
[10.853422] [drm] ib test succeeded in 0 usecs
[10.853830] [drm] Radeon Display Connectors
[10.853835] [drm] Connector 0:
[10.853839] [drm] VGA
[10.853844] [drm] DDC: 0x60 0x60 0x60 0x60 0x60 0x60 0x60 0x60
[10.853848] [drm] Encoders:
[10.853851] [drm] CRT1: INTERNAL_DAC1
[10.853855] [drm] Connector 1:
[10.853860] [drm] DVI-I
[10.853863] [drm] HPD1
[10.853868] [drm] DDC: 0x64 0x64 0x64 0x64 0x64 0x64 0x64 0x64
[10.853872] [drm] Encoders:
[10.853875] [drm] CRT2: INTERNAL_DAC2
[10.853879] [drm] DFP1: INTERNAL_TMDS1
[10.853882] [drm] Connector 2:
[10.853885] [drm] S-video
[10.853889] [drm] Encoders:
[10.853892] [drm] TV1: INTERNAL_DAC2
[10.879979] [drm] fb mappable at 0xEA0C0000
[10.879985] [drm] vram apper at 0xEA000000
[10.879989] [drm] size 786432
[10.880020] [drm] fb depth is 8
[10.880024] [drm] pitch is 1024
[10.880140] fbcon: radeondrmfb (fb0) is primary device
[10.932929] Console: switching to colour frame buffer device 128x48
[10.934307] fb0: radeondrmfb frame buffer device
[10.934312] drm: registered panic notifier
[10.934322] [drm] Initialized radeon 2.16.0 20080528 for 0000:01:00.0 on minor 0
[12.836488] Adding 7597052k swap on /dev/sda5. Priority:-1 extents:1 across:7597052k
[12.863726] EXT4-fs (sda1): re-mounted. Opts: (null)
[13.084557] EXT4-fs (sda1): re-mounted. Opts: errors=remount-ro
[13.315611] loop: module loaded
[14.893028] RPC: Registered named UNIX socket transport module.
[14.893037] RPC: Registered udp transport module.
[14.893043] RPC: Registered tcp transport module.
[14.893048] RPC: Registered tcp NFSv4.1 backchannel transport module.
[14.934863] FS-Cache: Loaded
[14.984241] NFS: Registering the id_resolver key type
[14.984280] FS-Cache: Netfs 'nfs' registered for caching
[14.991569] Installing knfsd (copyright (C) 1996 okir@monad.swb.de).
[17.254440] input: ACPI Virtual Keyboard Device as /devices/virtual/input/input10
[17.550212] Bluetooth: Core ver 2.16
[17.550570] NET: Registered protocol family 31
[17.550576] Bluetooth: HCI device and connection manager initialized

[17.550581] Bluetooth: HCI socket layer initialized
[17.550585] Bluetooth: L2CAP socket layer initialized
[17.550597] Bluetooth: SCO socket layer initialized
[17.584762] Bluetooth: RFCOMM TTY layer initialized
[17.584775] Bluetooth: RFCOMM socket layer initialized
[17.584781] Bluetooth: RFCOMM ver 1.11
[17.600733] Bluetooth: BNEP (Ethernet Emulation) ver 1.3
[17.600742] Bluetooth: BNEP filters: protocol multicast
[17.857816] lp: driver loaded but no devices found
[17.998950] ppdev: user-space parallel port driver
[19.353191] ADDRCONF(NETDEV_UP): eth0: link is not ready
[19.356176] e100 0000:03:08.0: eth0: NIC Link is Up 100 Mbps Full Duplex
[19.356417] ADDRCONF(NETDEV_CHANGE): eth0: link becomes ready
[29.568014] eth0: no IPv6 routers present
[1834.984787] udevd[17285]: starting version 175
[65961.318517] I-pipe: head domain RTAI registered.
[65961.318528] RTAI[hal]: compiled with gcc version 4.7.2 (Debian 4.7.2-5) .
[65961.318638] RTAI[hal]: mounted (IPIPE-NOTHREADS, IMMEDIATE (INTERNAL IRQs DISPATCHED), ISOL_CPUS_MASK: 0).
[65961.318646] SYSINFO: CPUs 2, LINUX APIC IRQ 2312, TIM_FREQ 8311880, CLK_FREQ 2660131000, CPU_FREQ 2660131000
[65961.318653] RTAI_APIC_TIMER_IPI: RTAI DEFINED 2314, VECTOR 2314;
LINUX_APIC_TIMER_IPI: RTAI DEFINED 2312, VECTOR 2312
[65961.318661] TIMER NAME: lapic; VARIOUSLY FOUND APIC FREQs: 8311880, 8311880, 6999000
[65961.349767] RTAI[malloc]: global heap size = 2097152 bytes, <BSD>.
[65961.349834] , <uses LINUX SYSCALLs>, kstacks pool size = 524288 bytes.
[65961.349843] RTAI[sched]: hard timer type/freq = APIC/8311880(Hz); default timing: oneshot; linear timed lists.
[65961.349850] RTAI[sched]: Linux timer freq = 250 (Hz), TimeBase freq = 2660131000 hz.
[65961.349854] RTAI[sched]: timer setup = 999 ns, resched latency = 2943 ns.
[65961.378621] RTAI[math]: loaded.
[65961.506643] config string '0 out'
[65961.508842] PARPORT: ERROR: linux parport 0 not found
[65974.030511] RTAI[math]: unloaded.
[65974.033970] SCHED releases registered named ALIEN PEDV\$D
[65974.047062] RTAI[malloc]: unloaded.
[65974.144033] RTAI[sched]: unloaded (forced hard/soft/hard transitions: traps 0, syscalls 0).
[65974.147710] I-pipe: head domain RTAI unregistered.
[65974.147838] RTAI[hal]: unmounted.
[66000.174382] I-pipe: head domain RTAI registered.
[66000.174396] RTAI[hal]: compiled with gcc version 4.7.2 (Debian 4.7.2-5) .
[66000.174505] RTAI[hal]: mounted (IPIPE-NOTHREADS, IMMEDIATE (INTERNAL IRQs DISPATCHED), ISOL_CPUS_MASK: 0).
[66000.174513] SYSINFO: CPUs 2, LINUX APIC IRQ 2312, TIM_FREQ 8311880, CLK_FREQ 2660131000, CPU_FREQ 2660131000
[66000.174518] RTAI_APIC_TIMER_IPI: RTAI DEFINED 2314, VECTOR 2314;
LINUX_APIC_TIMER_IPI: RTAI DEFINED 2312, VECTOR 2312
[66000.174525] TIMER NAME: lapic; VARIOUSLY FOUND APIC FREQs: 8311880, 8311880, 8268250
[66000.188247] RTAI[malloc]: global heap size = 2097152 bytes, <BSD>.
[66000.188314] , <uses LINUX SYSCALLs>, kstacks pool size = 524288 bytes.

[66000.188324] RTAI[sched]: hard timer type/freq = APIC/8311880(Hz); default timing: oneshot;
 linear timed lists.
 [66000.188331] RTAI[sched]: Linux timer freq = 250 (Hz), TimeBase freq = 2660131000 hz.
 [66000.188336] RTAI[sched]: timer setup = 999 ns, resched latency = 2943 ns.
 [66000.202604] RTAI[math]: loaded.
 [66000.366295] config string '0 out'
 [66000.368793] PARPORT: ERROR: linux parport 0 not found
 [66002.983706] RTAI[math]: unloaded.
 [66002.987555] SCHED releases registered named ALIEN PEDV\$D
 [66002.991659] RTAI[malloc]: unloaded.
 [66003.088030] RTAI[sched]: unloaded (forced hard/soft/hard transitions: traps 0, syscalls 0).
 [66003.091544] I-pipe: head domain RTAI unregistered.
 [66003.091680] RTAI[hal]: unmounted.
 [66028.243745] I-pipe: head domain RTAI registered.
 [66028.243757] RTAI[hal]: compiled with gcc version 4.7.2 (Debian 4.7.2-5) .
 [66028.243872] RTAI[hal]: mounted (IPIPE-NOTHREADS, IMMEDIATE (INTERNAL IRQs
 DISPATCHED), ISOL_CPUS_MASK: 0).
 [66028.243879] SYSINFO: CPUs 2, LINUX APIC IRQ 2312, TIM_FREQ 8311880, CLK_FREQ
 2660131000, CPU_FREQ 2660131000
 [66028.243884] RTAI_APIC_TIMER_IPI: RTAI DEFINED 2314, VECTOR 2314;
 LINUX_APIC_TIMER_IPI: RTAI DEFINED 2312, VECTOR 2312
 [66028.243890] TIMER NAME: lapic; VARIOUSLY FOUND APIC FREQs: 8311880, 8311880,
 8273000
 [66028.256807] RTAI[malloc]: global heap size = 2097152 bytes, <BSD>.
 [66028.256872] , <uses LINUX SYSCALLs>, kstacks pool size = 524288 bytes.
 [66028.256882] RTAI[sched]: hard timer type/freq = APIC/8311880(Hz); default timing: oneshot;
 linear timed lists.
 [66028.256889] RTAI[sched]: Linux timer freq = 250 (Hz), TimeBase freq = 2660131000 hz.
 [66028.256894] RTAI[sched]: timer setup = 999 ns, resched latency = 2943 ns.
 [66028.266012] RTAI[math]: loaded.
 [66028.431643] config string '0 out'
 [66028.433869] PARPORT: ERROR: linux parport 0 not found
 [66030.968683] RTAI[math]: unloaded.
 [66030.972619] SCHED releases registered named ALIEN PEDV\$D
 [66030.976629] RTAI[malloc]: unloaded.
 [66031.076062] RTAI[sched]: unloaded (forced hard/soft/hard transitions: traps 0, syscalls 0).
 [66031.079818] I-pipe: head domain RTAI unregistered.
 [66031.079946] RTAI[hal]: unmounted.

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_RTLIB_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 - 2.7.8

Machine configuration directory is '/home/neil/linuxcnc/configs/purple1'

Machine configuration file is 'purple1.ini'

INIFILE=/home/neil/linuxcnc/configs/purple1/purple1.ini

PARAMETER_FILE=linuxcnc.var

TASK=milltask

HALUI=

DISPLAY=axis

Starting LinuxCNC...

Starting LinuxCNC server program: linuxcncsvr

Loading Real Time OS, RTAPI, and HAL_LIB modules

Starting LinuxCNC IO program: io

Found file(REL): ./purple1.hal

Shutting down and cleaning up LinuxCNC...

Killing task linuxcncsvr, PID=23202

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

./purple1.hal:6: exit value: 1

./purple1.hal:6: insmod for hal_parport failed, returned -1

See the output of 'dmesg' for more information.

23202

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 - 00000000000a0000 (usable)

[0.000000] BIOS-e820: 00000000000f0000 - 0000000000100000 (reserved)

[0.000000] BIOS-e820: 0000000000100000 - 00000000e7e88c00 (usable)

[0.000000] BIOS-e820: 00000000e7e88c00 - 00000000e7e8ac00 (ACPI NVS)

[0.000000] BIOS-e820: 00000000e7e8ac00 - 00000000e7e8cc00 (ACPI data)

[0.000000] BIOS-e820: 00000000e7e8cc00 - 00000000e8000000 (reserved)

[0.000000] BIOS-e820: 00000000f0000000 - 00000000f4000000 (reserved)

[0.000000] BIOS-e820: 00000000fec00000 - 00000000fed00400 (reserved)

[0.000000] BIOS-e820: 00000000fed20000 - 00000000feda0000 (reserved)

[0.000000] BIOS-e820: 00000000fee00000 - 00000000fef00000 (reserved)

[0.000000] BIOS-e820: 00000000ffb00000 - 0000000100000000 (reserved)

[0.000000] Notice: NX (Execute Disable) protection cannot be enabled: non-PAE kernel!

[0.000000] SMBIOS 2.3 present.

[0.000000] DMI: Dell Inc. Dell DM051 /0HJ054, BIOS A05 03/31/2006

[0.000000] e820 update range: 0000000000000000 - 0000000000010000 (usable) ==> (reserved)

[0.000000] e820 remove range: 00000000000a0000 - 0000000000100000 (usable)

[0.000000] last_pfn = 0xe7e88 max_arch_pfn = 0x100000

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[ 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-EFFFF uncachable
[ 0.000000] F0000-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 0C0000000 mask FE0000000 write-back
[ 0.000000] 3 base 0E0000000 mask FF8000000 write-back
[ 0.000000] 4 base 0E7F00000 mask FFFF00000 uncachable
[ 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] found SMP MP-table at [c00fe710] fe710
[ 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] 00000000000 - 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: 36416000 - 37203000
[ 0.000000] ACPI: RSDP 000feb00 00024 (v02 DELL )
[ 0.000000] ACPI: XSDT 000fd267 0005C (v01 DELL DM051 00000007 ASL 00000061)
[ 0.000000] ACPI: FACP 000fd35f 000F4 (v03 DELL DM051 00000007 ASL 00000061)
[ 0.000000] ACPI: DSDT fffc755f 02D0E (v01 DELL dt_ex 00001000 INTL 20050309)
[ 0.000000] ACPI: FACS e7e88c00 00040
[ 0.000000] ACPI: SSDT fffc38e 000AC (v01 DELL st_ex 00001000 INTL 20050309)
[ 0.000000] ACPI: APIC 000fd453 00072 (v01 DELL DM051 00000007 ASL 00000061)
[ 0.000000] ACPI: BOOT 000fd4c5 00028 (v01 DELL DM051 00000007 ASL 00000061)
[ 0.000000] ACPI: ASF! 000fd4ed 00067 (v16 DELL DM051 00000007 ASL 00000061)
[ 0.000000] ACPI: MCFG 000fd554 0003E (v01 DELL DM051 00000007 ASL 00000061)
[ 0.000000] ACPI: HPET 000fd592 00038 (v01 DELL DM051 00000007 ASL 00000061)
[ 0.000000] ACPI: Local APIC address 0xfe00000
[ 0.000000] 2822MB 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 -> 0x000e7e88
[ 0.000000] Movable zone start PFN for each node
[ 0.000000] Early memory PFN ranges
[ 0.000000] 0: 0x00000010 -> 0x000000a0
[ 0.000000] 0: 0x00000100 -> 0x000e7e88
[ 0.000000] On node 0 totalpages: 949784
[ 0.000000] free_area_init_node: node 0, pgdat c1498a00, node_mem_map f4716200

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[ 0.000000] DMA zone: 32 pages used for memmap
[ 0.000000] DMA zone: 0 pages reserved
[ 0.000000] DMA zone: 3952 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: 5646 pages used for memmap
[ 0.000000] HighMem zone: 716924 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[0x05] disabled)
[ 0.000000] ACPI: LAPIC (acpi_id[0x04] lapic_id[0x07] disabled)
[ 0.000000] ACPI: LAPIC_NMI (acpi_id[0xff] high level lint[0x1])
[ 0.000000] ACPI: IOAPIC (id[0x08] address[0xfec00000] gsi_base[0])
[ 0.000000] IOAPIC[0]: apic_id 8, version 32, 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 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: 0x8086a201 base: 0xfed00000
[ 0.000000] SMP: Allowing 4 CPUs, 2 hotplug CPUs
[ 0.000000] nr_irqs_gsi: 40
[ 0.000000] PM: Registered nosave memory: 00000000000a0000 - 00000000000f0000
[ 0.000000] PM: Registered nosave memory: 00000000000f0000 - 0000000000100000
[ 0.000000] Allocating PCI resources starting at f4000000 (gap: f4000000:ac00000)
[ 0.000000] setup_percpu: NR_CPUS:8 nr_cpumask_bits:8 nr_cpu_ids:4 nr_node_ids:1
[ 0.000000] PERCPU: Embedded 17 pages/cpu @f77a7000 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
[ 0.000000] Built 1 zonelists in Zone order, mobility grouping on. Total pages: 942362
[ 0.000000] Kernel command line: BOOT_IMAGE=/boot/vmlinuz-3.4-9-rtai-686-pae
root=UUID=1dd4629d-c788-4b9f-8212-ce81ac79cc64 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 7599040 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:000e7e88)
[ 0.000000] Memory: 3740744k/3799584k available (3495k kernel code, 58392k reserved, 1237k
data, 416k init, 2890280k 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)

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[ 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:712 16
[ 0.000000] CPU 0 irqstacks, hard=f3808000 soft=f380a000
[ 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 2660.131 MHz processor.
[ 0.004004] Calibrating delay loop (skipped), value calculated using timer frequency.. 5320.26
BogoMIPS (lpj=10640524)
[ 0.004012] pid_max: default: 32768 minimum: 301
[ 0.008047] Security Framework initialized
[ 0.008055] AppArmor: AppArmor disabled by boot time parameter
[ 0.008090] Mount-cache hash table entries: 512
[ 0.008434] Initializing cgroup subsys cpuacct
[ 0.008439] Initializing cgroup subsys memory
[ 0.008457] Initializing cgroup subsys devices
[ 0.008461] Initializing cgroup subsys freezer
[ 0.008465] Initializing cgroup subsys net_cls
[ 0.008469] Initializing cgroup subsys blkio
[ 0.008484] Initializing cgroup subsys perf_event
[ 0.008541] CPU: Physical Processor ID: 0
[ 0.008545] CPU: Processor Core ID: 0
[ 0.008550] mce: CPU supports 4 MCE banks
[ 0.008564] CPU0: Thermal monitoring enabled (TM2)
[ 0.008660] ACPI: Core revision 20120320
[ 0.079624] Enabling APIC mode: Flat. Using 1 I/O APICs
[ 0.080004] ..TIMER: vector=0x30 apic1=0 pin1=2 apic2=-1 pin2=-1
[ 0.119756] CPU0: Intel(R) Pentium(R) D CPU 2.66GHz stepping 07
[ 0.120006] Performance Events: Netburst events, Netburst P4/Xeon PMU driver.
[ 0.120006] ... version: 0
[ 0.120006] ... bit width: 40
[ 0.120006] ... generic registers: 18
[ 0.120006] ... value mask: 000000ffffffff
[ 0.120006] ... max period: 0000007fffffffff
[ 0.120006] ... fixed-purpose events: 0
[ 0.120006] ... event mask: 0000000000003fff
[ 0.128041] NMI watchdog: enabled, takes one hw-pmu counter.
[ 0.140048] CPU 1 irqstacks, hard=f389a000 soft=f389c000
[ 0.140053] Booting Node 0, Processors #1
[ 0.008000] Initializing CPU#1
[ 0.152050] NMI watchdog: enabled, takes one hw-pmu counter.
[ 0.152112] Brought up 2 CPUs
[ 0.152120] Total of 2 processors activated (10640.52 BogoMIPS).
[ 0.153214] devtmpfs: initialized
[ 0.153214] PM: Registering ACPI NVS region [mem 0xe7e88c00-0xe7e8abff] (8192 bytes)
[ 0.153214] dummy:

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[ 0.153214] NET: Registered protocol family 16
[ 0.153214] ACPI: bus type pci registered
[ 0.153214] PCI: MMCONFIG for domain 0000 [bus 00-3f] at [mem 0xf0000000-0xf3ffffff]
(base 0xf0000000)
[ 0.153214] PCI: MMCONFIG at [mem 0xf0000000-0xf3ffffff] reserved in E820
[ 0.153214] PCI: Using MMCONFIG for extended config space
[ 0.153214] PCI: Using configuration type 1 for base access
[ 0.156977] bio: create slab <bio-0> at 0
[ 0.156977] ACPI: Added _OSI(Module Device)
[ 0.156977] ACPI: Added _OSI(Processor Device)
[ 0.156977] ACPI: Added _OSI(3.0 _SCP Extensions)
[ 0.156977] ACPI: Added _OSI(Processor Aggregator Device)
[ 0.157878] ACPI: EC: Look up EC in DSDT
[ 0.179868] [Firmware Bug]: ACPI: BIOS _OSI(Linux) query ignored
[ 0.191911] ACPI: Interpreter enabled
[ 0.191938] ACPI: (supports S0 S1 S3 S4 S5)
[ 0.192036] ACPI: Using IOAPIC for interrupt routing
[ 0.259137] ACPI: No dock devices found.
[ 0.259151] PCI: Ignoring host bridge windows from ACPI; if necessary, use "pci=use_crs" and
report a bug
[ 0.262964] ACPI: PCI Root Bridge [PCI0] (domain 0000 [bus 00-ff])
[ 0.270661] pci_root PNP0A03:00: host bridge window [io 0x0000-0x0cf7] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [io 0xd00-0xffff] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [mem 0x000a0000-0x000bffff] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [mem 0x000c0000-0x000effff] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [mem 0x000f0000-0x000fffff] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [mem 0xe7f00000-0xffffffff] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [mem 0xf4000000-0xfebfffff] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [mem 0xffa80800-0xffa80bff] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [mem 0xffa7c000-0xffa7ffff] (ignored)
[ 0.270661] PCI: root bus 00: using default resources
[ 0.270661] PCI host bridge to bus 0000:00
[ 0.270661] pci_bus 0000:00: root bus resource [io 0x0000-0xffff]
[ 0.270661] pci_bus 0000:00: root bus resource [mem 0x00000000-0xffffffff]
[ 0.270661] pci 0000:00:00.0: [8086:2770] type 00 class 0x060000
[ 0.270661] pci 0000:00:01.0: [8086:2771] type 01 class 0x060400
[ 0.270661] pci 0000:00:01.0: PME# supported from D0 D3hot D3cold
[ 0.270661] pci 0000:00:1b.0: [8086:27d8] type 00 class 0x040300
[ 0.270661] pci 0000:00:1b.0: reg 10: [mem 0xeffc000-0xffffffff 64bit]
[ 0.270661] pci 0000:00:1b.0: PME# supported from D0 D3hot D3cold
[ 0.270661] pci 0000:00:1c.0: [8086:27d0] type 01 class 0x060400
[ 0.270661] pci 0000:00:1c.0: PME# supported from D0 D3hot D3cold
[ 0.270661] pci 0000:00:1d.0: [8086:27c8] type 00 class 0x0c0300
[ 0.270661] pci 0000:00:1d.0: reg 20: [io 0xff80-0xff9f]
[ 0.270661] pci 0000:00:1d.1: [8086:27c9] type 00 class 0x0c0300
[ 0.270661] pci 0000:00:1d.1: reg 20: [io 0xff60-0xff7f]
[ 0.270661] pci 0000:00:1d.2: [8086:27ca] type 00 class 0x0c0300
[ 0.270661] pci 0000:00:1d.2: reg 20: [io 0xff40-0xff5f]
[ 0.270661] pci 0000:00:1d.3: [8086:27cb] type 00 class 0x0c0300
[ 0.270661] pci 0000:00:1d.3: reg 20: [io 0xff20-0xff3f]
[ 0.270661] pci 0000:00:1d.7: [8086:27cc] type 00 class 0x0c0320
[ 0.270661] pci 0000:00:1d.7: reg 10: [mem 0xffa80800-0xffa80bff]

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[ 0.272079] pci 0000:00:1d.7: PME# supported from D0 D3hot D3cold
[ 0.272116] pci 0000:00:1e.0: [8086:244e] type 01 class 0x060401
[ 0.272211] pci 0000:00:1f.0: [8086:27b8] type 00 class 0x060100
[ 0.272332] pci 0000:00:1f.0: ICH7 LPC Generic IO decode 1 PIO at 0c00 (mask 007f)
[ 0.272339] pci 0000:00:1f.0: ICH7 LPC Generic IO decode 2 PIO at 00e0 (mask 0007)
[ 0.272392] pci 0000:00:1f.1: [8086:27df] type 00 class 0x01018a
[ 0.272414] pci 0000:00:1f.1: reg 10: [io 0x01f0-0x01f7]
[ 0.272430] pci 0000:00:1f.1: reg 14: [io 0x03f4-0x03f7]
[ 0.272446] pci 0000:00:1f.1: reg 18: [io 0x0170-0x0177]
[ 0.272462] pci 0000:00:1f.1: reg 1c: [io 0x0374-0x0377]
[ 0.272478] pci 0000:00:1f.1: reg 20: [io 0xffa0-0xffaf]
[ 0.272534] pci 0000:00:1f.2: [8086:27c0] type 00 class 0x01018f
[ 0.272559] pci 0000:00:1f.2: reg 10: [io 0xfe00-0xfe07]
[ 0.272574] pci 0000:00:1f.2: reg 14: [io 0xfe10-0xfe13]
[ 0.272589] pci 0000:00:1f.2: reg 18: [io 0xfe20-0xfe27]
[ 0.272604] pci 0000:00:1f.2: reg 1c: [io 0xfe30-0xfe33]
[ 0.272619] pci 0000:00:1f.2: reg 20: [io 0xfea0-0xfeaf]
[ 0.272634] pci 0000:00:1f.2: reg 24: [mem 0x00000000-0x0000003ff]
[ 0.272674] pci 0000:00:1f.2: PME# supported from D3hot
[ 0.272702] pci 0000:00:1f.3: [8086:27da] type 00 class 0x0c0500
[ 0.272779] pci 0000:00:1f.3: reg 20: [io 0xece0-0xecff]
[ 0.272901] pci 0000:01:00.0: [1002:5b60] type 00 class 0x030000
[ 0.272927] pci 0000:01:00.0: reg 10: [mem 0xea000000-0xebffffff 64bit pref]
[ 0.272948] pci 0000:01:00.0: reg 18: [mem 0xefde0000-0xefdeffff 64bit]
[ 0.272963] pci 0000:01:00.0: reg 20: [io 0xdc00-0xdcff]
[ 0.272988] pci 0000:01:00.0: reg 30: [mem 0xefe00000-0xefe1ffff pref]
[ 0.273022] pci 0000:01:00.0: supports D1 D2
[ 0.273062] pci 0000:01:00.1: [1002:5b70] type 00 class 0x038000
[ 0.273088] pci 0000:01:00.1: reg 10: [mem 0xefdf0000-0xefdfffff 64bit]
[ 0.273168] pci 0000:01:00.1: supports D1 D2
[ 0.273195] pci 0000:01:00.0: disabling ASPM on pre-1.1 PCIe device. You can enable it with
'pcie_aspm=force'
[ 0.273213] pci 0000:00:01.0: PCI bridge to [bus 01-01]
[ 0.273221] pci 0000:00:01.0: bridge window [io 0xd000-0xdfff]
[ 0.273228] pci 0000:00:01.0: bridge window [mem 0xefd00000-0xefefffff]
[ 0.273237] pci 0000:00:01.0: bridge window [mem 0xea000000-0xebffffff 64bit pref]
[ 0.273337] pci 0000:02:00.0: [1002:4d53] type 00 class 0x048000
[ 0.273372] pci 0000:02:00.0: reg 10: [mem 0xefc00000-0xefcfffff]
[ 0.273417] pci 0000:02:00.0: reg 18: [mem 0xec000000-0xedffffff pref]
[ 0.273594] pci 0000:02:00.0: disabling ASPM on pre-1.1 PCIe device. You can enable it with
'pcie_aspm=force'
[ 0.273614] pci 0000:00:1c.0: PCI bridge to [bus 02-02]
[ 0.273625] pci 0000:00:1c.0: bridge window [mem 0xefc00000-0xefcfffff]
[ 0.273636] pci 0000:00:1c.0: bridge window [mem 0xec000000-0xedffffff 64bit pref]
[ 0.273709] pci 0000:03:08.0: [8086:27dc] type 00 class 0x020000
[ 0.273738] pci 0000:03:08.0: reg 10: [mem 0xefbf0000-0xefbfffff]
[ 0.273754] pci 0000:03:08.0: reg 14: [io 0xcc00-0xccff]
[ 0.273844] pci 0000:03:08.0: supports D1 D2
[ 0.273848] pci 0000:03:08.0: PME# supported from D0 D1 D2 D3hot D3cold
[ 0.273907] pci 0000:00:1e.0: PCI bridge to [bus 03-03] (subtractive decode)
[ 0.273915] pci 0000:00:1e.0: bridge window [io 0xc000-0xcfff]
[ 0.273923] pci 0000:00:1e.0: bridge window [mem 0xefb00000-0xefbfffff]

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[ 0.273934] pci 0000:00:1e.0: bridge window [io 0x0000-0xffff] (subtractive decode)
[ 0.273940] pci 0000:00:1e.0: bridge window [mem 0x00000000-0xffffffff] (subtractive decode)
[ 0.273964] pci_bus 0000:00: on NUMA node 0
[ 0.273972] ACPI: PCI Interrupt Routing Table [_SB_.PCI0._PRT]
[ 0.275113] ACPI: PCI Interrupt Routing Table [_SB_.PCI0.PCI4._PRT]
[ 0.275882] ACPI: PCI Interrupt Routing Table [_SB_.PCI0.PCI2._PRT]
[ 0.276362] ACPI: PCI Interrupt Routing Table [_SB_.PCI0.PCI1._PRT]
[ 0.276842] pci0000:00: Unable to request _OSC control (_OSC support mask: 0x0f)
[ 0.885664] ACPI: PCI Interrupt Link [LNKA] (IRQs 3 4 5 6 7 9 10 *11 12 15)
[ 0.886195] ACPI: PCI Interrupt Link [LNKB] (IRQs 3 4 5 6 7 *9 10 11 12 15)
[ 0.886687] ACPI: PCI Interrupt Link [LNKC] (IRQs 3 4 *5 6 7 9 10 11 12 15)
[ 0.887172] ACPI: PCI Interrupt Link [LNKD] (IRQs 3 4 5 6 7 9 10 11 12 15) *0, disabled.
[ 0.887705] ACPI: PCI Interrupt Link [LNKE] (IRQs *3 4 5 6 7 9 10 11 12 15)
[ 0.888213] ACPI: PCI Interrupt Link [LNKF] (IRQs 3 4 5 6 7 9 *10 11 12 15)
[ 0.888718] ACPI: PCI Interrupt Link [LNKG] (IRQs 3 4 5 6 7 *9 10 11 12 15)
[ 0.889225] ACPI: PCI Interrupt Link [LNKH] (IRQs 3 *4 5 6 7 9 10 11 12 15)
[ 0.889413] vgaarb: device added:
PCI:0000:01:00.0,decodes=io+mem,owns=io+mem,locks=none
[ 0.889413] vgaarb: loaded
[ 0.889413] vgaarb: bridge control possible 0000:01:00.0
[ 0.889413] PCI: Using ACPI for IRQ routing
[ 0.890500] PCI: pci_cache_line_size set to 64 bytes
[ 0.890634] reserve RAM buffer: 00000000e7e88c00 - 00000000e7ffffff
[ 0.892293] hpet0: at MMIO 0xfed00000, IRQs 2, 8, 0
[ 0.892307] hpet0: 3 comparators, 64-bit 14.318180 MHz counter
[ 0.894341] Switching to clocksource hpet
[ 0.894469] pnp: PnP ACPI init
[ 0.894507] ACPI: bus type pnp registered
[ 0.896139] pnp 00:00: [bus 00-ff]
[ 0.896146] pnp 00:00: [io 0x0cf8-0x0cff]
[ 0.896152] pnp 00:00: [io 0x0000-0x0cf7 window]
[ 0.896157] pnp 00:00: [io 0x0d00-0xffff window]
[ 0.896162] pnp 00:00: [mem 0x000a0000-0x000bffff window]
[ 0.896167] pnp 00:00: [mem 0x000c0000-0x000effff window]
[ 0.896172] pnp 00:00: [mem 0x000f0000-0x000fffff window]
[ 0.896178] pnp 00:00: [mem 0xe7f00000-0xffffffff window]
[ 0.896183] pnp 00:00: [mem 0xf4000000-0xfebfffff window]
[ 0.896188] pnp 00:00: [mem 0xffa80800-0xffa80bff window]
[ 0.896193] pnp 00:00: [mem 0xffa7c000-0xffa7ffff window]
[ 0.896268] pnp 00:00: Plug and Play ACPI device, IDs PNP0a03 (active)
[ 0.899234] pnp 00:01: [io 0x0060]
[ 0.899240] pnp 00:01: [io 0x0064]
[ 0.899244] pnp 00:01: [io 0x0062-0x0063]
[ 0.899249] pnp 00:01: [io 0x0065-0x006f]
[ 0.899253] pnp 00:01: [io 0x00e0-0x00ef]
[ 0.899258] pnp 00:01: [io 0x0800-0x085f]
[ 0.899263] pnp 00:01: [io 0x0c00-0x0c7f]
[ 0.899267] pnp 00:01: [io 0x0860-0x08ff]
[ 0.899370] system 00:01: [io 0x0800-0x085f] has been reserved
[ 0.899377] system 00:01: [io 0x0c00-0x0c7f] has been reserved
[ 0.899382] system 00:01: [io 0x0860-0x08ff] has been reserved
[ 0.899389] system 00:01: Plug and Play ACPI device, IDs PNP0c01 (active)

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[0.899623] pnp 00:02: [io 0x0080-0x009f]
[0.899629] pnp 00:02: [io 0x0000-0x001f]
[0.899634] pnp 00:02: [io 0x00c0-0x00df]
[0.899639] pnp 00:02: [dma 4]
[0.899694] pnp 00:02: Plug and Play ACPI device, IDs PNP0200 (active)
[0.899868] pnp 00:03: [io 0x00f0-0x00ff]
[0.899885] pnp 00:03: [irq 13]
[0.899944] pnp 00:03: Plug and Play ACPI device, IDs PNP0c04 (active)
[0.900143] pnp 00:04: [io 0x0061]
[0.900204] pnp 00:04: Plug and Play ACPI device, IDs PNP0800 (active)
[0.900374] pnp 00:05: [io 0x0070-0x007f]
[0.900385] pnp 00:05: [irq 8]
[0.900442] pnp 00:05: Plug and Play ACPI device, IDs PNP0b00 (active)
[0.920160] pnp 00:06: [mem 0x00000000-0x0009ffff]
[0.920167] pnp 00:06: [mem 0x00100000-0x00ffffff]
[0.920172] pnp 00:06: [mem 0x01000000-0xe7e88bff]
[0.920177] pnp 00:06: [mem 0x000f0000-0x000fffff]
[0.920182] pnp 00:06: [mem 0x000c0000-0x000cffff]
[0.920186] pnp 00:06: [mem 0xfec00000-0xfecfffff]
[0.920191] pnp 00:06: [mem 0xfe00000-0xfeffffff]
[0.920195] pnp 00:06: [mem 0xfed20000-0xfed9ffff]
[0.920200] pnp 00:06: [mem 0xffb00000-0xffbfffff]
[0.920205] pnp 00:06: [mem 0xffc00000-0xffffffff]
[0.920320] system 00:06: [mem 0x00000000-0x0009ffff] could not be reserved
[0.920328] system 00:06: [mem 0x00100000-0x00ffffff] could not be reserved
[0.920334] system 00:06: [mem 0x01000000-0xe7e88bff] could not be reserved
[0.920341] system 00:06: [mem 0x000f0000-0x000fffff] could not be reserved
[0.920347] system 00:06: [mem 0x000c0000-0x000cffff] could not be reserved
[0.920354] system 00:06: [mem 0xfec00000-0xfecfffff] could not be reserved
[0.920360] system 00:06: [mem 0xfe00000-0xfeffffff] has been reserved
[0.920366] system 00:06: [mem 0xfed20000-0xfed9ffff] has been reserved
[0.920372] system 00:06: [mem 0xffb00000-0xffbfffff] has been reserved
[0.920377] system 00:06: [mem 0xffc00000-0xffffffff] has been reserved
[0.920384] system 00:06: Plug and Play ACPI device, IDs PNP0c01 (active)
[0.923265] pnp 00:07: [mem 0xf0000000-0xf3ffffff]
[0.923271] pnp 00:07: [mem 0xfeda0000-0xfedacfff]
[0.923276] pnp 00:07: [io 0x0100-0x01fe]
[0.923280] pnp 00:07: [io 0x0200-0x0277]
[0.923284] pnp 00:07: [io 0x0280-0x02e7]
[0.923289] pnp 00:07: [io 0x02e8-0x02ef]
[0.923293] pnp 00:07: [io 0x02f0-0x02f7]
[0.923298] pnp 00:07: [io 0x02f8-0x02ff]
[0.923302] pnp 00:07: [io 0x0300-0x0377]
[0.923306] pnp 00:07: [io 0x0380-0x03bb]
[0.923311] pnp 00:07: [io 0x03c0-0x03e7]
[0.923315] pnp 00:07: [io 0x03f6-0x03f7]
[0.923326] pnp 00:07: [io 0x0400-0x04cf]
[0.923330] pnp 00:07: [io 0x04d2-0x057f]
[0.923335] pnp 00:07: [io 0x0580-0x0677]
[0.923339] pnp 00:07: [io 0x0680-0x0777]
[0.923344] pnp 00:07: [io 0x0780-0x07bb]
[0.923348] pnp 00:07: [io 0x07c0-0x07ff]

[0.923353] pnp 00:07: [io 0x08e0-0x08ff]
[0.923357] pnp 00:07: [io 0x0900-0x09fe]
[0.923361] pnp 00:07: [io 0x0a00-0x0afe]
[0.923366] pnp 00:07: [io 0x0b00-0x0bfe]
[0.923370] pnp 00:07: [io 0x0c80-0x0caf]
[0.923375] pnp 00:07: [io 0x0cb0-0x0cbf]
[0.923379] pnp 00:07: [io 0x0cc0-0x0cf7]
[0.923383] pnp 00:07: [io 0x0d00-0x0dfe]
[0.923388] pnp 00:07: [io 0x0e00-0x0efe]
[0.923392] pnp 00:07: [io 0x0f00-0x0ffe]
[0.923397] pnp 00:07: [io 0x2000-0x20fe]
[0.923401] pnp 00:07: [io 0x2100-0x21fe]
[0.923406] pnp 00:07: [io 0x2200-0x22fe]
[0.923410] pnp 00:07: [io 0x2300-0x23fe]
[0.923415] pnp 00:07: [io 0x2400-0x24fe]
[0.923419] pnp 00:07: [io 0x2500-0x25fe]
[0.923423] pnp 00:07: [io 0x2600-0x26fe]
[0.923428] pnp 00:07: [io 0x2700-0x27fe]
[0.923432] pnp 00:07: [io 0x2800-0x28fe]
[0.923437] pnp 00:07: [io 0x2900-0x29fe]
[0.923441] pnp 00:07: [io 0x2a00-0x2afe]
[0.923446] pnp 00:07: [io 0x2b00-0x2bfe]
[0.923450] pnp 00:07: [io 0x2c00-0x2cfe]
[0.923454] pnp 00:07: [io 0x2d00-0x2dfe]
[0.923459] pnp 00:07: [io 0x2e00-0x2efe]
[0.923463] pnp 00:07: [io 0x2f00-0x2ffe]
[0.923468] pnp 00:07: [io 0x5000-0x50fe]
[0.923472] pnp 00:07: [io 0x5100-0x51fe]
[0.923476] pnp 00:07: [io 0x5200-0x52fe]
[0.923481] pnp 00:07: [io 0x5300-0x53fe]
[0.923485] pnp 00:07: [io 0x5400-0x54fe]
[0.923490] pnp 00:07: [io 0x5500-0x55fe]
[0.923494] pnp 00:07: [io 0x5600-0x56fe]
[0.923498] pnp 00:07: [io 0x5700-0x57fe]
[0.923503] pnp 00:07: [io 0x5800-0x58fe]
[0.923507] pnp 00:07: [io 0x5900-0x59fe]
[0.923512] pnp 00:07: [io 0x5a00-0x5afe]
[0.923516] pnp 00:07: [io 0x5b00-0x5bfe]
[0.923521] pnp 00:07: [io 0x5c00-0x5cfe]
[0.923525] pnp 00:07: [io 0x5d00-0x5dfe]
[0.923529] pnp 00:07: [io 0x5e00-0x5efe]
[0.923534] pnp 00:07: [io 0x5f00-0x5ffe]
[0.923538] pnp 00:07: [io 0x6000-0x60fe]
[0.923543] pnp 00:07: [io 0x6100-0x61fe]
[0.923547] pnp 00:07: [io 0x6200-0x62fe]
[0.923551] pnp 00:07: [io 0x6300-0x63fe]
[0.923556] pnp 00:07: [io 0x6400-0x64fe]
[0.923560] pnp 00:07: [io 0x6500-0x65fe]
[0.923565] pnp 00:07: [io 0x6600-0x66fe]
[0.923569] pnp 00:07: [io 0x6700-0x67fe]
[0.923574] pnp 00:07: [io 0x6800-0x68fe]
[0.923578] pnp 00:07: [io 0x6900-0x69fe]

[0.923582] pnp 00:07: [io 0x6a00-0x6afe]
[0.923589] pnp 00:07: [io 0x6b00-0x6bfe]
[0.923593] pnp 00:07: [io 0x6c00-0x6cfe]
[0.923598] pnp 00:07: [io 0x6d00-0x6dfe]
[0.923602] pnp 00:07: [io 0x6e00-0x6efe]
[0.923606] pnp 00:07: [io 0x6f00-0x6ffe]
[0.923611] pnp 00:07: [io 0xa000-0xa0fe]
[0.923615] pnp 00:07: [io 0xa100-0xa1fe]
[0.923620] pnp 00:07: [io 0xa200-0xa2fe]
[0.923624] pnp 00:07: [io 0xa300-0xa3fe]
[0.923629] pnp 00:07: [io 0xa400-0xa4fe]
[0.923633] pnp 00:07: [io 0xa500-0xa5fe]
[0.923637] pnp 00:07: [io 0xa600-0xa6fe]
[0.923642] pnp 00:07: [io 0xa700-0xa7fe]
[0.923646] pnp 00:07: [io 0xa800-0xa8fe]
[0.923651] pnp 00:07: [io 0xa900-0xa9fe]
[0.923655] pnp 00:07: [io 0xaa00-0xaafe]
[0.923659] pnp 00:07: [io 0xab00-0xabfe]
[0.923664] pnp 00:07: [io 0xac00-0xacfe]
[0.923668] pnp 00:07: [io 0xad00-0xadfe]
[0.923673] pnp 00:07: [io 0xae00-0xaefe]
[0.923677] pnp 00:07: [io 0xaf00-0xaffe]
[0.924161] system 00:07: [io 0x0100-0x01fe] could not be reserved
[0.924168] system 00:07: [io 0x0200-0x0277] has been reserved
[0.924174] system 00:07: [io 0x0280-0x02e7] has been reserved
[0.924179] system 00:07: [io 0x02e8-0x02ef] has been reserved
[0.924185] system 00:07: [io 0x02f0-0x02f7] has been reserved
[0.924190] system 00:07: [io 0x02f8-0x02ff] has been reserved
[0.924196] system 00:07: [io 0x0300-0x0377] could not be reserved
[0.924202] system 00:07: [io 0x0380-0x03bb] has been reserved
[0.924208] system 00:07: [io 0x03c0-0x03e7] could not be reserved
[0.924214] system 00:07: [io 0x03f6-0x03f7] could not be reserved
[0.924219] system 00:07: [io 0x0400-0x04cf] has been reserved
[0.924225] system 00:07: [io 0x04d2-0x057f] has been reserved
[0.924230] system 00:07: [io 0x0580-0x0677] has been reserved
[0.924236] system 00:07: [io 0x0680-0x0777] has been reserved
[0.924241] system 00:07: [io 0x0780-0x07bb] has been reserved
[0.924247] system 00:07: [io 0x07c0-0x07ff] has been reserved
[0.924252] system 00:07: [io 0x08e0-0x08ff] has been reserved
[0.924258] system 00:07: [io 0x0900-0x09fe] has been reserved
[0.924263] system 00:07: [io 0x0a00-0x0afe] has been reserved
[0.924269] system 00:07: [io 0x0b00-0x0bfe] has been reserved
[0.924274] system 00:07: [io 0x0c80-0x0caf] has been reserved
[0.924280] system 00:07: [io 0x0cb0-0x0cbf] has been reserved
[0.924285] system 00:07: [io 0x0cc0-0x0cf7] has been reserved
[0.924291] system 00:07: [io 0x0d00-0x0dfe] has been reserved
[0.924297] system 00:07: [io 0x0e00-0x0efe] has been reserved
[0.924302] system 00:07: [io 0x0f00-0x0ffe] has been reserved
[0.924308] system 00:07: [io 0x2000-0x20fe] has been reserved
[0.924313] system 00:07: [io 0x2100-0x21fe] has been reserved
[0.924319] system 00:07: [io 0x2200-0x22fe] has been reserved
[0.924325] system 00:07: [io 0x2300-0x23fe] has been reserved

[0.924330] system 00:07: [io 0x2400-0x24fe] has been reserved
[0.924336] system 00:07: [io 0x2500-0x25fe] has been reserved
[0.924341] system 00:07: [io 0x2600-0x26fe] has been reserved
[0.924347] system 00:07: [io 0x2700-0x27fe] has been reserved
[0.924353] system 00:07: [io 0x2800-0x28fe] has been reserved
[0.924359] system 00:07: [io 0x2900-0x29fe] has been reserved
[0.924365] system 00:07: [io 0x2a00-0x2afe] has been reserved
[0.924370] system 00:07: [io 0x2b00-0x2bfe] has been reserved
[0.924376] system 00:07: [io 0x2c00-0x2cfe] has been reserved
[0.924382] system 00:07: [io 0x2d00-0x2dfe] has been reserved
[0.924387] system 00:07: [io 0x2e00-0x2efe] has been reserved
[0.924393] system 00:07: [io 0x2f00-0x2ffe] has been reserved
[0.924399] system 00:07: [io 0x5000-0x50fe] has been reserved
[0.924404] system 00:07: [io 0x5100-0x51fe] has been reserved
[0.924410] system 00:07: [io 0x5200-0x52fe] has been reserved
[0.924416] system 00:07: [io 0x5300-0x53fe] has been reserved
[0.924422] system 00:07: [io 0x5400-0x54fe] has been reserved
[0.924427] system 00:07: [io 0x5500-0x55fe] has been reserved
[0.924433] system 00:07: [io 0x5600-0x56fe] has been reserved
[0.924439] system 00:07: [io 0x5700-0x57fe] has been reserved
[0.924445] system 00:07: [io 0x5800-0x58fe] has been reserved
[0.924450] system 00:07: [io 0x5900-0x59fe] has been reserved
[0.924456] system 00:07: [io 0x5a00-0x5afe] has been reserved
[0.924462] system 00:07: [io 0x5b00-0x5bfe] has been reserved
[0.924468] system 00:07: [io 0x5c00-0x5cfe] has been reserved
[0.924474] system 00:07: [io 0x5d00-0x5dfe] has been reserved
[0.924480] system 00:07: [io 0x5e00-0x5efe] has been reserved
[0.924486] system 00:07: [io 0x5f00-0x5ffe] has been reserved
[0.924492] system 00:07: [io 0x6000-0x60fe] has been reserved
[0.924497] system 00:07: [io 0x6100-0x61fe] has been reserved
[0.924506] system 00:07: [io 0x6200-0x62fe] has been reserved
[0.924512] system 00:07: [io 0x6300-0x63fe] has been reserved
[0.924518] system 00:07: [io 0x6400-0x64fe] has been reserved
[0.924524] system 00:07: [io 0x6500-0x65fe] has been reserved
[0.924530] system 00:07: [io 0x6600-0x66fe] has been reserved
[0.924536] system 00:07: [io 0x6700-0x67fe] has been reserved
[0.924542] system 00:07: [io 0x6800-0x68fe] has been reserved
[0.924548] system 00:07: [io 0x6900-0x69fe] has been reserved
[0.924554] system 00:07: [io 0x6a00-0x6afe] has been reserved
[0.924561] system 00:07: [io 0x6b00-0x6bfe] has been reserved
[0.924567] system 00:07: [io 0x6c00-0x6cfe] has been reserved
[0.924573] system 00:07: [io 0x6d00-0x6dfe] has been reserved
[0.924579] system 00:07: [io 0x6e00-0x6efe] has been reserved
[0.924586] system 00:07: [io 0x6f00-0x6ffe] has been reserved
[0.924592] system 00:07: [io 0xa000-0xa0fe] has been reserved
[0.924598] system 00:07: [io 0xa100-0xa1fe] has been reserved
[0.924604] system 00:07: [io 0xa200-0xa2fe] has been reserved
[0.924611] system 00:07: [io 0xa300-0xa3fe] has been reserved
[0.924617] system 00:07: [io 0xa400-0xa4fe] has been reserved
[0.924623] system 00:07: [io 0xa500-0xa5fe] has been reserved
[0.924630] system 00:07: [io 0xa600-0xa6fe] has been reserved
[0.924636] system 00:07: [io 0xa700-0xa7fe] has been reserved

[0.924643] system 00:07: [io 0xa800-0xa8fe] has been reserved
[0.924649] system 00:07: [io 0xa900-0xa9fe] has been reserved
[0.924656] system 00:07: [io 0xaa00-0xaafe] has been reserved
[0.924662] system 00:07: [io 0xab00-0xabfe] has been reserved
[0.924669] system 00:07: [io 0xac00-0xacfe] has been reserved
[0.924675] system 00:07: [io 0xad00-0xadfe] has been reserved
[0.924682] system 00:07: [io 0xae00-0xae00] has been reserved
[0.924689] system 00:07: [io 0xaf00-0xaf00] has been reserved
[0.924696] system 00:07: [mem 0xf0000000-0xf3ffffff] has been reserved
[0.924702] system 00:07: [mem 0xfeda0000-0xfedacfff] has been reserved
[0.924709] system 00:07: Plug and Play ACPI device, IDs PNP0c02 (active)
[0.924723] pnp: PnP ACPI: found 8 devices
[0.924726] ACPI: ACPI bus type pnp unregistered
[0.924733] PnPBIOS: Disabled by ACPI PNP
[0.964887] pci 0000:00:1c.0: bridge window [io 0x1000-0x0fff] to [bus 02-02] add_size 1000
[0.964912] pci 0000:00:1c.0: res[13]=[io 0x1000-0x0fff] get_res add_size add_size 1000
[0.964923] pci 0000:00:1c.0: BAR 13: assigned [io 0x1000-0x1fff]
[0.964931] pci 0000:00:1f.2: BAR 5: assigned [mem 0xf4000000-0xf40003ff]
[0.964943] pci 0000:00:01.0: PCI bridge to [bus 01-01]
[0.964951] pci 0000:00:01.0: bridge window [io 0xd000-0xdfff]
[0.964959] pci 0000:00:01.0: bridge window [mem 0xefd00000-0xefefffff]
[0.964967] pci 0000:00:01.0: bridge window [mem 0xea000000-0xebffffff 64bit pref]
[0.964977] pci 0000:00:1c.0: PCI bridge to [bus 02-02]
[0.964983] pci 0000:00:1c.0: bridge window [io 0x1000-0x1fff]
[0.964992] pci 0000:00:1c.0: bridge window [mem 0xefc00000-0xefcfffff]
[0.965000] pci 0000:00:1c.0: bridge window [mem 0xec000000-0xedffffff 64bit pref]
[0.965010] pci 0000:00:1e.0: PCI bridge to [bus 03-03]
[0.965016] pci 0000:00:1e.0: bridge window [io 0xc000-0xcfff]
[0.965026] pci 0000:00:1e.0: bridge window [mem 0xefb00000-0xefbfffff]
[0.965079] pci 0000:00:1e.0: setting latency timer to 64
[0.965088] pci_bus 0000:00: resource 4 [io 0x0000-0xffff]
[0.965093] pci_bus 0000:00: resource 5 [mem 0x00000000-0xffffffff]
[0.965098] pci_bus 0000:01: resource 0 [io 0xd000-0xdfff]
[0.965103] pci_bus 0000:01: resource 1 [mem 0xefd00000-0xefefffff]
[0.965108] pci_bus 0000:01: resource 2 [mem 0xea000000-0xebffffff 64bit pref]
[0.965113] pci_bus 0000:02: resource 0 [io 0x1000-0x1fff]
[0.965118] pci_bus 0000:02: resource 1 [mem 0xefc00000-0xefcfffff]
[0.965123] pci_bus 0000:02: resource 2 [mem 0xec000000-0xedffffff 64bit pref]
[0.965128] pci_bus 0000:03: resource 0 [io 0xc000-0xcfff]
[0.965132] pci_bus 0000:03: resource 1 [mem 0xefb00000-0xefbfffff]
[0.965137] pci_bus 0000:03: resource 4 [io 0x0000-0xffff]
[0.965142] pci_bus 0000:03: resource 5 [mem 0x00000000-0xffffffff]
[0.965288] NET: Registered protocol family 2
[0.965411] IP route cache hash table entries: 32768 (order: 5, 131072 bytes)
[0.965769] TCP established hash table entries: 131072 (order: 8, 1048576 bytes)
[0.966332] TCP bind hash table entries: 65536 (order: 7, 524288 bytes)
[0.966671] TCP: Hash tables configured (established 131072 bind 65536)
[0.966676] TCP: reno registered
[0.966682] UDP hash table entries: 512 (order: 2, 16384 bytes)
[0.966698] UDP-Lite hash table entries: 512 (order: 2, 16384 bytes)
[0.966905] NET: Registered protocol family 1
[0.967181] pci 0000:01:00.0: Boot video device

[0.967216] pci 0000:03:08.0: Firmware left e100 interrupts enabled; disabling
[0.967227] PCI: CLS 64 bytes, default 64
[0.967330] Unpacking initramfs...
[1.440936] Freeing initrd memory: 14260k freed
[1.451340] Simple Boot Flag at 0x7a set to 0x1
[1.452151] audit: initializing netlink socket (disabled)
[1.452183] type=2000 audit(1485983303.448:1): initialized
[1.470069] highmem bounce pool size: 64 pages
[1.470080] HugeTLB registered 4 MB page size, pre-allocated 0 pages
[1.470469] VFS: Disk quotas dquot_6.5.2
[1.470519] Dquot-cache hash table entries: 1024 (order 0, 4096 bytes)
[1.470658] msgmni has been set to 1688
[1.471012] alg: No test for stdrng (krng)
[1.471076] Block layer SCSI generic (bsg) driver version 0.4 loaded (major 253)
[1.471083] io scheduler noop registered
[1.471087] io scheduler deadline registered
[1.471129] io scheduler cfq registered (default)
[1.471482] pci_hotplug: PCI Hot Plug PCI Core version: 0.5
[1.471522] pciehp: PCI Express Hot Plug Controller Driver version: 0.4
[1.471526] acpiphp: ACPI Hot Plug PCI Controller Driver version: 0.5
[1.472451] GHES: HEST is not enabled!
[1.472477] isapnp: Scanning for PnP cards...
[1.826016] isapnp: No Plug & Play device found
[1.826123] Serial: 8250/16550 driver, 4 ports, IRQ sharing enabled
[1.826817] Linux agpgart interface v0.103
[1.827363] i8042: PNP: No PS/2 controller found. Probing ports directly.
[1.830183] serio: i8042 KBD port at 0x60,0x64 irq 1
[1.830245] serio: i8042 AUX port at 0x60,0x64 irq 12
[1.830474] mousedev: PS/2 mouse device common for all mice
[1.830562] rtc_cmos 00:05: RTC can wake from S4
[1.830763] rtc_cmos 00:05: rtc core: registered rtc_cmos as rtc0
[1.830800] rtc0: alarms up to one day, 242 bytes nvram, hpet irqs
[1.830985] TCP: cubic registered
[1.831104] NET: Registered protocol family 10
[1.831500] Mobile IPv6
[1.831507] NET: Registered protocol family 17
[1.831517] Registering the dns_resolver key type
[1.831611] Using IPI No-Shortcut mode
[1.831843] PM: Hibernation image not present or could not be loaded.
[1.831869] registered taskstats version 1
[1.832483] rtc_cmos 00:05: setting system clock to 2017-02-01 21:08:24 UTC (1485983304)
[1.832702] Freeing unused kernel memory: 416k freed
[1.833097] Write protecting the kernel text: 3496k
[1.833137] Write protecting the kernel read-only data: 984k
[1.856686] udevd[50]: starting version 175
[1.887148] SCSI subsystem initialized
[1.908520] usbcore: registered new interface driver usbfs
[1.908568] usbcore: registered new interface driver hub
[1.909583] libata version 3.00 loaded.
[1.910281] ata_piix 0000:00:1f.1: version 2.13
[1.910382] ata_piix 0000:00:1f.1: setting latency timer to 64
[1.915885] usbcore: registered new device driver usb

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[ 1.916803] ehci_hcd: USB 2.0 'Enhanced' Host Controller (EHCI) Driver
[ 1.917102] scsi0 : ata_piix
[ 1.923847] scsi1 : ata_piix
[ 1.926147] ata1: PATA max UDMA/100 cmd 0x1f0 ctl 0x3f6 bmdma 0xffa0 irq 14
[ 1.926156] ata2: PATA max UDMA/100 cmd 0x170 ctl 0x376 bmdma 0xffa8 irq 15
[ 1.927276] ata_piix 0000:00:1f.2: MAP [ P0 P2 P1 P3 ]
[ 1.928156] ata2: port disabled--ignoring
[ 1.944665] uhci_hcd: USB Universal Host Controller Interface driver
[ 1.957797] microcode: CPU0 sig=0xf47, pf=0x10, revision=0x3
[ 1.998125] microcode: CPU1 sig=0xf47, pf=0x10, revision=0x3
[ 2.003057] microcode: Microcode Update Driver: v2.00 <tigran@aivazian.fsnet.co.uk>, Peter
Oruba
[ 2.080063] ata_piix 0000:00:1f.2: setting latency timer to 64
[ 2.080794] scsi2 : ata_piix
[ 2.080942] scsi3 : ata_piix
[ 2.081041] ata3: SATA max UDMA/133 cmd 0xfe00 ctl 0xfe10 bmdma 0xfea0 irq 20
[ 2.081047] ata4: SATA max UDMA/133 cmd 0xfe20 ctl 0xfe30 bmdma 0xfea8 irq 20
[ 2.081180] ehci_hcd 0000:00:1d.7: setting latency timer to 64
[ 2.081191] ehci_hcd 0000:00:1d.7: EHCI Host Controller
[ 2.081269] ehci_hcd 0000:00:1d.7: new USB bus registered, assigned bus number 1
[ 2.081304] ehci_hcd 0000:00:1d.7: using broken periodic workaround
[ 2.081322] ehci_hcd 0000:00:1d.7: debug port 1
[ 2.085224] ehci_hcd 0000:00:1d.7: cache line size of 64 is not supported
[ 2.085257] ehci_hcd 0000:00:1d.7: irq 21, io mem 0xffa80800
[ 2.088434] ata1.00: ATAPI: HL-DT-STDVD+-RW GSA-H21N, A105, max UDMA/33
[ 2.096037] ehci_hcd 0000:00:1d.7: USB 2.0 started, EHCI 1.00
[ 2.096163] usb usb1: New USB device found, idVendor=1d6b, idProduct=0002
[ 2.096173] usb usb1: New USB device strings: Mfr=3, Product=2, SerialNumber=1
[ 2.096190] usb usb1: Product: EHCI Host Controller
[ 2.096198] usb usb1: Manufacturer: Linux 3.4-9-rtai-686-pae ehci_hcd
[ 2.096209] usb usb1: SerialNumber: 0000:00:1d.7
[ 2.096464] hub 1-0:1.0: USB hub found
[ 2.096475] hub 1-0:1.0: 8 ports detected
[ 2.096725] uhci_hcd 0000:00:1d.0: setting latency timer to 64
[ 2.096734] uhci_hcd 0000:00:1d.0: UHCI Host Controller
[ 2.096750] uhci_hcd 0000:00:1d.0: new USB bus registered, assigned bus number 2
[ 2.096787] uhci_hcd 0000:00:1d.0: irq 21, io base 0x0000ff80
[ 2.096857] usb usb2: New USB device found, idVendor=1d6b, idProduct=0001
[ 2.096863] usb usb2: New USB device strings: Mfr=3, Product=2, SerialNumber=1
[ 2.096869] usb usb2: Product: UHCI Host Controller
[ 2.096877] usb usb2: Manufacturer: Linux 3.4-9-rtai-686-pae uhci_hcd
[ 2.096883] usb usb2: SerialNumber: 0000:00:1d.0
[ 2.097621] hub 2-0:1.0: USB hub found
[ 2.097634] hub 2-0:1.0: 2 ports detected
[ 2.097801] uhci_hcd 0000:00:1d.1: setting latency timer to 64
[ 2.097809] uhci_hcd 0000:00:1d.1: UHCI Host Controller
[ 2.097825] uhci_hcd 0000:00:1d.1: new USB bus registered, assigned bus number 3
[ 2.097882] uhci_hcd 0000:00:1d.1: irq 22, io base 0x0000ff60
[ 2.097948] usb usb3: New USB device found, idVendor=1d6b, idProduct=0001
[ 2.097954] usb usb3: New USB device strings: Mfr=3, Product=2, SerialNumber=1
[ 2.097959] usb usb3: Product: UHCI Host Controller
[ 2.097963] usb usb3: Manufacturer: Linux 3.4-9-rtai-686-pae uhci_hcd

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[ 2.097967] usb usb3: SerialNumber: 0000:00:1d.1
[ 2.098314] hub 3-0:1.0: USB hub found
[ 2.098325] hub 3-0:1.0: 2 ports detected
[ 2.098488] uhci_hcd 0000:00:1d.2: setting latency timer to 64
[ 2.098495] uhci_hcd 0000:00:1d.2: UHCI Host Controller
[ 2.098510] uhci_hcd 0000:00:1d.2: new USB bus registered, assigned bus number 4
[ 2.098560] uhci_hcd 0000:00:1d.2: irq 18, io base 0x0000ff40
[ 2.098625] usb usb4: New USB device found, idVendor=1d6b, idProduct=0001
[ 2.098630] usb usb4: New USB device strings: Mfr=3, Product=2, SerialNumber=1
[ 2.098635] usb usb4: Product: UHCI Host Controller
[ 2.098639] usb usb4: Manufacturer: Linux 3.4-9-rtai-686-pae uhci_hcd
[ 2.098643] usb usb4: SerialNumber: 0000:00:1d.2
[ 2.099778] hub 4-0:1.0: USB hub found
[ 2.099790] hub 4-0:1.0: 2 ports detected
[ 2.099974] uhci_hcd 0000:00:1d.3: setting latency timer to 64
[ 2.099982] uhci_hcd 0000:00:1d.3: UHCI Host Controller
[ 2.100039] uhci_hcd 0000:00:1d.3: new USB bus registered, assigned bus number 5
[ 2.100097] uhci_hcd 0000:00:1d.3: irq 23, io base 0x0000ff20
[ 2.100165] usb usb5: New USB device found, idVendor=1d6b, idProduct=0001
[ 2.100174] usb usb5: New USB device strings: Mfr=3, Product=2, SerialNumber=1
[ 2.100180] usb usb5: Product: UHCI Host Controller
[ 2.100184] usb usb5: Manufacturer: Linux 3.4-9-rtai-686-pae uhci_hcd
[ 2.100189] usb usb5: SerialNumber: 0000:00:1d.3
[ 2.100820] hub 5-0:1.0: USB hub found
[ 2.100832] hub 5-0:1.0: 2 ports detected
[ 2.104354] ata1.00: configured for UDMA/33
[ 2.107462] scsi 0:0:0:0: CD-ROM          HL-DT-ST DVD+-RW GSA-H21N A105 PQ: 0 ANSI:
5
[ 2.251210] ata3.00: ATA-8: WDC WD10EARS-00Y5B1, 80.00A80, max UDMA/133
[ 2.251217] ata3.00: 1953525168 sectors, multi 8: LBA48 NCQ (depth 0/32)
[ 2.264322] ata3.00: configured for UDMA/133
[ 2.264491] scsi 2:0:0:0: Direct-Access  ATA  WDC WD10EARS-00Y 80.0 PQ: 0 ANSI: 5
[ 2.265558] e100: Intel(R) PRO/100 Network Driver, 3.5.24-k2-NAPI
[ 2.265566] e100: Copyright(c) 1999-2006 Intel Corporation
[ 2.285525] sd 2:0:0:0: [sda] 1953525168 512-byte logical blocks: (1.00 TB/931 GiB)
[ 2.285663] sd 2:0:0:0: [sda] Write Protect is off
[ 2.285672] sd 2:0:0:0: [sda] Mode Sense: 00 3a 00 00
[ 2.285733] sd 2:0:0:0: [sda] Write cache: enabled, read cache: enabled, doesn't support DPO or
FUA
[ 2.290015] sr0: scsi3-mmc drive: 48x/48x writer cd/rw xa/form2 cdda tray
[ 2.290026] cdrom: Uniform CD-ROM driver Revision: 3.20
[ 2.290736] sr 0:0:0:0: Attached scsi CD-ROM sr0
[ 2.296728] e100 0000:03:08.0: eth0: addr 0xefbfff000, irq 20, MAC addr 00:13:72:e4:e2:3e
[ 2.314446] sda: sda1 sda2 < sda5 >
[ 2.315139] sd 2:0:0:0: [sda] Attached SCSI disk
[ 2.319435] sr 0:0:0:0: Attached scsi generic sg0 type 5
[ 2.319742] sd 2:0:0:0: Attached scsi generic sg1 type 0
[ 2.448032] Refined TSC clocksource calibration: 2659.999 MHz.
[ 2.448045] Switching to clocksource tsc
[ 2.520030] usb 1-3: new high-speed USB device number 4 using ehci_hcd
[ 2.725826] usb 1-3: New USB device found, idVendor=0644, idProduct=0200
[ 2.725835] usb 1-3: New USB device strings: Mfr=1, Product=2, SerialNumber=3

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[ 2.725842] usb 1-3: Product: CA-200
[ 2.725846] usb 1-3: Manufacturer: TEAC
[ 2.725850] usb 1-3: SerialNumber: 000001084787
[ 2.730731] Initializing USB Mass Storage driver...
[ 2.730932] scsi4 : usb-storage 1-3:1.0
[ 2.731081] usbcore: registered new interface driver usb-storage
[ 2.731087] USB Mass Storage support registered.
[ 2.964030] usb 2-1: new low-speed USB device number 2 using uhci_hcd
[ 3.171854] usb 2-1: New USB device found, idVendor=413c, idProduct=2105
[ 3.171860] usb 2-1: New USB device strings: Mfr=1, Product=2, SerialNumber=0
[ 3.171866] usb 2-1: Product: Dell USB Keyboard
[ 3.171870] usb 2-1: Manufacturer: Dell
[ 3.246719] input: Dell Dell USB Keyboard as /devices/pci0000:00/0000:00:1d.0/usb2/2-1/2-1:1.0/input/input0
[ 3.246894] generic-usb 0003:413C:2105.0001: input,hidraw0: USB HID v1.10 Keyboard [Dell Dell USB Keyboard] on usb-0000:00:1d.0-1/input0
[ 3.247220] usbcore: registered new interface driver usbhid
[ 3.247226] usbhid: USB HID core driver
[ 3.444025] usb 2-2: new low-speed USB device number 3 using uhci_hcd
[ 3.620855] usb 2-2: New USB device found, idVendor=046d, idProduct=c03f
[ 3.620862] usb 2-2: New USB device strings: Mfr=1, Product=2, SerialNumber=0
[ 3.620867] usb 2-2: Product: USB-PS/2 Optical Mouse
[ 3.620871] usb 2-2: Manufacturer: Logitech
[ 3.637577] input: Logitech USB-PS/2 Optical Mouse as
/devices/pci0000:00/0000:00:1d.0/usb2/2-2/2-2:1.0/input/input1
[ 3.637745] generic-usb 0003:046D:C03F.0002: input,hidraw1: USB HID v1.10 Mouse [Logitech USB-PS/2 Optical Mouse] on usb-0000:00:1d.0-2/input0
[ 3.737995] scsi 4:0:0:0: Direct-Access    TEAC    USB    HS-CF Card 4.00 PQ: 0 ANSI: 0
[ 3.741731] scsi 4:0:0:1: Direct-Access    TEAC    USB    HS-xD/SM  4.00 PQ: 0 ANSI: 0
[ 3.745479] scsi 4:0:0:2: Direct-Access    TEAC    USB    HS-MS Card 4.00 PQ: 0 ANSI: 0
[ 3.749105] scsi 4:0:0:3: Direct-Access    TEAC    USB    HS-SD Card 4.00 PQ: 0 ANSI: 0
[ 3.751376] sd 4:0:0:0: Attached scsi generic sg2 type 0
[ 3.752494] sd 4:0:0:1: Attached scsi generic sg3 type 0
[ 3.754579] sd 4:0:0:2: Attached scsi generic sg4 type 0
[ 3.755041] sd 4:0:0:3: Attached scsi generic sg5 type 0
[ 3.906350] sd 4:0:0:0: [sdb] Attached SCSI removable disk
[ 3.910839] sd 4:0:0:1: [sdc] Attached SCSI removable disk
[ 3.915464] sd 4:0:0:2: [sdd] Attached SCSI removable disk
[ 3.919457] sd 4:0:0:3: [sde] Attached SCSI removable disk
[ 7.719359] PM: Starting manual resume from disk
[ 7.719367] PM: Hibernation image partition 8:5 present
[ 7.719371] PM: Looking for hibernation image.
[ 7.719683] PM: Image not found (code -22)
[ 7.719688] PM: Hibernation image not present or could not be loaded.
[ 7.946247] EXT4-fs (sda1): mounted filesystem with ordered data mode. Opts: (null)
[ 9.815699] udevd[368]: starting version 175
[ 10.069609] input: Power Button as
/devices/LNXSYSTM:00/LNXXSYBUS:00/PNP0C0C:00/input/input2
[ 10.069626] ACPI: Power Button [VBTN]
[ 10.070036] input: Power Button as /devices/LNXSYSTM:00/LNXPWRBN:00/input/input3
[ 10.070046] ACPI: Power Button [PWRF]
[ 10.378073] dcdbas dcdbas: Dell Systems Management Base Driver (version 5.6.0-3.2)

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[ 10.389101] intel_rng: Firmware space is locked read-only. If you can't or
[ 10.389105] intel_rng: don't want to disable this in firmware setup, and if
[ 10.389107] intel_rng: you are certain that your system has a functional
[ 10.389109] intel_rng: RNG, try using the 'no_fwh_detect' option.
[ 10.423935] iTCO_vendor_support: vendor-support=0
[ 10.469363] iTCO_wdt: Intel TCO WatchDog Timer Driver v1.07
[ 10.469511] iTCO_wdt: Found a ICH7 or ICH7R TCO device (Version=2, TCOBASE=0x0860)
[ 10.470996] iTCO_wdt: initialized. heartbeat=30 sec (nowayout=0)
[ 10.518552] leds_ss4200: no LED devices found
[ 10.634814] [drm] Initialized drm 1.1.0 20060810
[ 10.733824] [drm] radeon kernel modesetting enabled.
[ 10.734360] [drm] initializing kernel modesetting (RV380 0x1002:0x5B60 0x1002:0x0602).
[ 10.734398] [drm] register mmio base: 0xEFDE0000
[ 10.734403] [drm] register mmio size: 65536
[ 10.734574] [drm] Generation 2 PCI interface, using max accessible memory
[ 10.734584] radeon 0000:01:00.0: VRAM: 32M 0x00000000EA000000 - 0x00000000EBFFFFFF
(32M used)
[ 10.734590] radeon 0000:01:00.0: GTT: 512M 0x00000000CA000000 - 0x00000000E9FFFFFF
[ 10.735418] [drm] Detected VRAM RAM=32M, BAR=32M
[ 10.735424] [drm] RAM width 64bits DDR
[ 10.735558] [TTM] Zone kernel: Available graphics memory: 432570 kiB
[ 10.735563] [TTM] Zone highmem: Available graphics memory: 1877710 kiB
[ 10.735567] [TTM] Initializing pool allocator
[ 10.735612] [drm] radeon: 32M of VRAM memory ready
[ 10.735617] [drm] radeon: 512M of GTT memory ready.
[ 10.735659] [drm] GART: num cpu pages 131072, num gpu pages 131072
[ 10.736739] [drm] radeon: ib pool ready.
[ 10.736910] [drm] radeon: 1 quad pipes, 1 Z pipes initialized.
[ 10.738398] [drm] PCIE GART of 512M enabled (table at 0x00000000EA040000).
[ 10.738430] radeon 0000:01:00.0: WB enabled
[ 10.738437] [drm] fence driver on ring 0 use gpu addr 0xca000000 and cpu addr 0xff958000
[ 10.738445] [drm] Supports vblank timestamp caching Rev 1 (10.10.2010).
[ 10.738448] [drm] Driver supports precise vblank timestamp query.
[ 10.738466] [drm] radeon: irq initialized.
[ 10.738819] [drm] Loading R300 Microcode
[ 10.757975] input: HDA Intel Front Mic as /devices/pci0000:00/0000:00:1b.0/sound/card0/input4
[ 10.758165] input: HDA Intel Rear Mic as /devices/pci0000:00/0000:00:1b.0/sound/card0/input5
[ 10.758352] input: HDA Intel Front Headphone as
/devices/pci0000:00/0000:00:1b.0/sound/card0/input6
[ 10.758509] input: HDA Intel Speaker CLFE as
/devices/pci0000:00/0000:00:1b.0/sound/card0/input7
[ 10.758672] input: HDA Intel Speaker Surround as
/devices/pci0000:00/0000:00:1b.0/sound/card0/input8
[ 10.758830] input: HDA Intel Speaker Front as
/devices/pci0000:00/0000:00:1b.0/sound/card0/input9
[ 10.853127] [drm] radeon: ring at 0x00000000CA001000
[ 10.853153] [drm] ring test succeeded in 1 usecs
[ 10.853422] [drm] ib test succeeded in 0 usecs
[ 10.853830] [drm] Radeon Display Connectors
[ 10.853835] [drm] Connector 0:
[ 10.853839] [drm]   VGA
[ 10.853844] [drm]   DDC: 0x60 0x60 0x60 0x60 0x60 0x60 0x60 0x60

```

[10.853848] [drm] Encoders:
[10.853851] [drm] CRT1: INTERNAL_DAC1
[10.853855] [drm] Connector 1:
[10.853860] [drm] DVI-I
[10.853863] [drm] HPD1
[10.853868] [drm] DDC: 0x64 0x64 0x64 0x64 0x64 0x64 0x64 0x64
[10.853872] [drm] Encoders:
[10.853875] [drm] CRT2: INTERNAL_DAC2
[10.853879] [drm] DFP1: INTERNAL_TMDS1
[10.853882] [drm] Connector 2:
[10.853885] [drm] S-video
[10.853889] [drm] Encoders:
[10.853892] [drm] TV1: INTERNAL_DAC2
[10.879979] [drm] fb mappable at 0xEA0C0000
[10.879985] [drm] vram apper at 0xEA000000
[10.879989] [drm] size 786432
[10.880020] [drm] fb depth is 8
[10.880024] [drm] pitch is 1024
[10.880140] fbcon: radeondrmfb (fb0) is primary device
[10.932929] Console: switching to colour frame buffer device 128x48
[10.934307] fb0: radeondrmfb frame buffer device
[10.934312] drm: registered panic notifier
[10.934322] [drm] Initialized radeon 2.16.0 20080528 for 0000:01:00.0 on minor 0
[12.836488] Adding 7597052k swap on /dev/sda5. Priority:-1 extents:1 across:7597052k
[12.863726] EXT4-fs (sda1): re-mounted. Opts: (null)
[13.084557] EXT4-fs (sda1): re-mounted. Opts: errors=remount-ro
[13.315611] loop: module loaded
[14.893028] RPC: Registered named UNIX socket transport module.
[14.893037] RPC: Registered udp transport module.
[14.893043] RPC: Registered tcp transport module.
[14.893048] RPC: Registered tcp NFSv4.1 backchannel transport module.
[14.934863] FS-Cache: Loaded
[14.984241] NFS: Registering the id_resolver key type
[14.984280] FS-Cache: Netfs 'nfs' registered for caching
[14.991569] Installing knfsd (copyright (C) 1996 okir@monad.swb.de).
[17.254440] input: ACPI Virtual Keyboard Device as /devices/virtual/input/input10
[17.550212] Bluetooth: Core ver 2.16
[17.550570] NET: Registered protocol family 31
[17.550576] Bluetooth: HCI device and connection manager initialized
[17.550581] Bluetooth: HCI socket layer initialized
[17.550585] Bluetooth: L2CAP socket layer initialized
[17.550597] Bluetooth: SCO socket layer initialized
[17.584762] Bluetooth: RFCOMM TTY layer initialized
[17.584775] Bluetooth: RFCOMM socket layer initialized
[17.584781] Bluetooth: RFCOMM ver 1.11
[17.600733] Bluetooth: BNEP (Ethernet Emulation) ver 1.3
[17.600742] Bluetooth: BNEP filters: protocol multicast
[17.857816] lp: driver loaded but no devices found
[17.998950] ppdev: user-space parallel port driver
[19.353191] ADDRCONF(NETDEV_UP): eth0: link is not ready
[19.356176] e100 0000:03:08.0: eth0: NIC Link is Up 100 Mbps Full Duplex
[19.356417] ADDRCONF(NETDEV_CHANGE): eth0: link becomes ready

[29.568014] eth0: no IPv6 routers present
[1834.984787] udevd[17285]: starting version 175
[65961.318517] I-pipe: head domain RTAI registered.
[65961.318528] RTAI[hal]: compiled with gcc version 4.7.2 (Debian 4.7.2-5) .
[65961.318638] RTAI[hal]: mounted (IPIPE-NOTHREADS, IMMEDIATE (INTERNAL IRQs DISPATCHED), ISOL_CPUS_MASK: 0).
[65961.318646] SYSINFO: CPUs 2, LINUX APIC IRQ 2312, TIM_FREQ 8311880, CLK_FREQ 2660131000, CPU_FREQ 2660131000
[65961.318653] RTAI_APIC_TIMER_IPI: RTAI DEFINED 2314, VECTOR 2314;
LINUX_APIC_TIMER_IPI: RTAI DEFINED 2312, VECTOR 2312
[65961.318661] TIMER NAME: lapic; VARIOUSLY FOUND APIC FREQs: 8311880, 8311880, 6999000
[65961.349767] RTAI[malloc]: global heap size = 2097152 bytes, <BSD>.
[65961.349834] , <uses LINUX SYSCALLs>, kstacks pool size = 524288 bytes.
[65961.349843] RTAI[sched]: hard timer type/freq = APIC/8311880(Hz); default timing: oneshot; linear timed lists.
[65961.349850] RTAI[sched]: Linux timer freq = 250 (Hz), TimeBase freq = 2660131000 hz.
[65961.349854] RTAI[sched]: timer setup = 999 ns, resched latency = 2943 ns.
[65961.378621] RTAI[math]: loaded.
[65961.506643] config string '0 out'
[65961.508842] PARPORT: ERROR: linux parport 0 not found
[65974.030511] RTAI[math]: unloaded.
[65974.033970] SCHED releases registered named ALIEN PEDV\$D
[65974.047062] RTAI[malloc]: unloaded.
[65974.144033] RTAI[sched]: unloaded (forced hard/soft/hard transitions: traps 0, syscalls 0).
[65974.147710] I-pipe: head domain RTAI unregistered.
[65974.147838] RTAI[hal]: unmounted.
[66000.174382] I-pipe: head domain RTAI registered.
[66000.174396] RTAI[hal]: compiled with gcc version 4.7.2 (Debian 4.7.2-5) .
[66000.174505] RTAI[hal]: mounted (IPIPE-NOTHREADS, IMMEDIATE (INTERNAL IRQs DISPATCHED), ISOL_CPUS_MASK: 0).
[66000.174513] SYSINFO: CPUs 2, LINUX APIC IRQ 2312, TIM_FREQ 8311880, CLK_FREQ 2660131000, CPU_FREQ 2660131000
[66000.174518] RTAI_APIC_TIMER_IPI: RTAI DEFINED 2314, VECTOR 2314;
LINUX_APIC_TIMER_IPI: RTAI DEFINED 2312, VECTOR 2312
[66000.174525] TIMER NAME: lapic; VARIOUSLY FOUND APIC FREQs: 8311880, 8311880, 8268250
[66000.188247] RTAI[malloc]: global heap size = 2097152 bytes, <BSD>.
[66000.188314] , <uses LINUX SYSCALLs>, kstacks pool size = 524288 bytes.
[66000.188324] RTAI[sched]: hard timer type/freq = APIC/8311880(Hz); default timing: oneshot; linear timed lists.
[66000.188331] RTAI[sched]: Linux timer freq = 250 (Hz), TimeBase freq = 2660131000 hz.
[66000.188336] RTAI[sched]: timer setup = 999 ns, resched latency = 2943 ns.
[66000.202604] RTAI[math]: loaded.
[66000.366295] config string '0 out'
[66000.368793] PARPORT: ERROR: linux parport 0 not found
[66002.983706] RTAI[math]: unloaded.
[66002.987555] SCHED releases registered named ALIEN PEDV\$D
[66002.991659] RTAI[malloc]: unloaded.
[66003.088030] RTAI[sched]: unloaded (forced hard/soft/hard transitions: traps 0, syscalls 0).
[66003.091544] I-pipe: head domain RTAI unregistered.
[66003.091680] RTAI[hal]: unmounted.

[66028.243745] I-pipe: head domain RTAI registered.
[66028.243757] RTAI[hal]: compiled with gcc version 4.7.2 (Debian 4.7.2-5) .
[66028.243872] RTAI[hal]: mounted (IPIPE-NOTHREADS, IMMEDIATE (INTERNAL IRQs DISPATCHED), ISOL_CPUS_MASK: 0).
[66028.243879] SYSINFO: CPUs 2, LINUX APIC IRQ 2312, TIM_FREQ 8311880, CLK_FREQ 2660131000, CPU_FREQ 2660131000
[66028.243884] RTAI_APIC_TIMER_IPI: RTAI DEFINED 2314, VECTOR 2314;
LINUX_APIC_TIMER_IPI: RTAI DEFINED 2312, VECTOR 2312
[66028.243890] TIMER NAME: lapic; VARIOUSLY FOUND APIC FREQS: 8311880, 8311880, 8273000
[66028.256807] RTAI[malloc]: global heap size = 2097152 bytes, <BSD>.
[66028.256872] , <uses LINUX SYSCALLS>, kstacks pool size = 524288 bytes.
[66028.256882] RTAI[sched]: hard timer type/freq = APIC/8311880(Hz); default timing: oneshot; linear timed lists.
[66028.256889] RTAI[sched]: Linux timer freq = 250 (Hz), TimeBase freq = 2660131000 hz.
[66028.256894] RTAI[sched]: timer setup = 999 ns, resched latency = 2943 ns.
[66028.266012] RTAI[math]: loaded.
[66028.431643] config string '0 out'
[66028.433869] PARPORT: ERROR: linux parport 0 not found
[66030.968683] RTAI[math]: unloaded.
[66030.972619] SCHED releases registered named ALIEN PEDV\$D
[66030.976629] RTAI[malloc]: unloaded.
[66031.076062] RTAI[sched]: unloaded (forced hard/soft/hard transitions: traps 0, syscalls 0).
[66031.079818] I-pipe: head domain RTAI unregistered.
[66031.079946] RTAI[hal]: unmounted.

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 - 2.7.8
Machine configuration directory is '/home/neil/linuxcnc/configs/purple1'
Machine configuration file is 'purple1.ini'
INIFILE=/home/neil/linuxcnc/configs/purple1/purple1.ini
PARAMETER_FILE=linuxcnc.var
TASK=milltask
HALUI=
DISPLAY=axis
Starting LinuxCNC...
Starting LinuxCNC server program: linuxcncsvr
Loading Real Time OS, RTAPI, and HAL_LIB modules
Starting LinuxCNC IO program: io
Found file(REL): ./purple1.hal
Shutting down and cleaning up LinuxCNC...

Killing task linuxcncsvr, PID=23202
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

./purple1.hal:6: exit value: 1

./purple1.hal:6: insmod for hal_parport failed, returned -1

See the output of 'dmesg' for more information.

23202

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 - 00000000000a0000 (usable)
[ 0.000000] BIOS-e820: 00000000000f0000 - 0000000000100000 (reserved)
[ 0.000000] BIOS-e820: 0000000000100000 - 00000000e7e88c00 (usable)
[ 0.000000] BIOS-e820: 00000000e7e88c00 - 00000000e7e8ac00 (ACPI NVS)
[ 0.000000] BIOS-e820: 00000000e7e8ac00 - 00000000e7e8cc00 (ACPI data)
[ 0.000000] BIOS-e820: 00000000e7e8cc00 - 00000000e8000000 (reserved)
[ 0.000000] BIOS-e820: 00000000f0000000 - 00000000f4000000 (reserved)
[ 0.000000] BIOS-e820: 00000000fec00000 - 00000000fed00400 (reserved)
[ 0.000000] BIOS-e820: 00000000fed20000 - 00000000feda0000 (reserved)
[ 0.000000] BIOS-e820: 00000000fee00000 - 00000000fef00000 (reserved)
[ 0.000000] BIOS-e820: 00000000ffb00000 - 0000000100000000 (reserved)
[ 0.000000] Notice: NX (Execute Disable) protection cannot be enabled: non-PAE kernel!
[ 0.000000] SMBIOS 2.3 present.
[ 0.000000] DMI: Dell Inc. Dell DM051 /0HJ054, BIOS A05 03/31/2006
[ 0.000000] e820 update range: 0000000000000000 - 0000000000010000 (usable) ==> (reserved)
[ 0.000000] e820 remove range: 00000000000a0000 - 0000000000010000 (usable)
[ 0.000000] last_pfn = 0xe7e88 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-EFFFF uncachable
[ 0.000000] F0000-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 0C0000000 mask FE0000000 write-back
[ 0.000000] 3 base 0E0000000 mask FF8000000 write-back
[ 0.000000] 4 base 0E7F00000 mask FFFF00000 uncachable
```

```

[ 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] found SMP MP-table at [c00fe710] fe710
[ 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] 0000000000 - 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: 36416000 - 37203000
[ 0.000000] ACPI: RSDP 000feb00 00024 (v02 DELL )
[ 0.000000] ACPI: XSDT 000fd267 0005C (v01 DELL DM051 00000007 ASL 00000061)
[ 0.000000] ACPI: FACP 000fd35f 000F4 (v03 DELL DM051 00000007 ASL 00000061)
[ 0.000000] ACPI: DSDT fffc755f 02D0E (v01 DELL dt_ex 00001000 INTL 20050309)
[ 0.000000] ACPI: FACS e7e88c00 00040
[ 0.000000] ACPI: SSDT fffc38e 000AC (v01 DELL st_ex 00001000 INTL 20050309)
[ 0.000000] ACPI: APIC 000fd453 00072 (v01 DELL DM051 00000007 ASL 00000061)
[ 0.000000] ACPI: BOOT 000fd4c5 00028 (v01 DELL DM051 00000007 ASL 00000061)
[ 0.000000] ACPI: ASF! 000fd4ed 00067 (v16 DELL DM051 00000007 ASL 00000061)
[ 0.000000] ACPI: MCFG 000fd554 0003E (v01 DELL DM051 00000007 ASL 00000061)
[ 0.000000] ACPI: HPET 000fd592 00038 (v01 DELL DM051 00000007 ASL 00000061)
[ 0.000000] ACPI: Local APIC address 0xfe00000
[ 0.000000] 2822MB 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 -> 0x000e7e88
[ 0.000000] Movable zone start PFN for each node
[ 0.000000] Early memory PFN ranges
[ 0.000000] 0: 0x00000010 -> 0x000000a0
[ 0.000000] 0: 0x00000100 -> 0x000e7e88
[ 0.000000] On node 0 totalpages: 949784
[ 0.000000] free_area_init_node: node 0, pgdat c1498a00, node_mem_map f4716200
[ 0.000000] DMA zone: 32 pages used for memmap
[ 0.000000] DMA zone: 0 pages reserved
[ 0.000000] DMA zone: 3952 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: 5646 pages used for memmap
[ 0.000000] HighMem zone: 716924 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[0x05] disabled)

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[ 0.000000] ACPI: LAPIC (acpi_id[0x04] lapic_id[0x07] disabled)
[ 0.000000] ACPI: LAPIC_NMI (acpi_id[0xff] high level lint[0x1])
[ 0.000000] ACPI: IOAPIC (id[0x08] address[0xfec00000] gsi_base[0])
[ 0.000000] IOAPIC[0]: apic_id 8, version 32, 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 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: 0x8086a201 base: 0xfed00000
[ 0.000000] SMP: Allowing 4 CPUs, 2 hotplug CPUs
[ 0.000000] nr_irqs_gsi: 40
[ 0.000000] PM: Registered nosave memory: 00000000000a0000 - 00000000000f0000
[ 0.000000] PM: Registered nosave memory: 00000000000f0000 - 0000000000100000
[ 0.000000] Allocating PCI resources starting at f4000000 (gap: f4000000:ac00000)
[ 0.000000] setup_percpu: NR_CPUS:8 nr_cpumask_bits:8 nr_cpu_ids:4 nr_node_ids:1
[ 0.000000] PERCPU: Embedded 17 pages/cpu @f77a7000 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
[ 0.000000] Built 1 zonelists in Zone order, mobility grouping on. Total pages: 942362
[ 0.000000] Kernel command line: BOOT_IMAGE=/boot/vmlinuz-3.4-9-rtai-686-pae
root=UUID=1dd4629d-c788-4b9f-8212-ce81ac79cc64 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 7599040 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:000e7e88)
[ 0.000000] Memory: 3740744k/3799584k available (3495k kernel code, 58392k reserved, 1237k
data, 416k init, 2890280k 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:712 16
[ 0.000000] CPU 0 irqstacks, hard=f3808000 soft=f380a000
[ 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 2660.131 MHz processor.

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```

[ 0.004004] Calibrating delay loop (skipped), value calculated using timer frequency.. 5320.26
BogoMIPS (lpj=10640524)
[ 0.004012] pid_max: default: 32768 minimum: 301
[ 0.008047] Security Framework initialized
[ 0.008055] AppArmor: AppArmor disabled by boot time parameter
[ 0.008090] Mount-cache hash table entries: 512
[ 0.008434] Initializing cgroup subsys cpuacct
[ 0.008439] Initializing cgroup subsys memory
[ 0.008457] Initializing cgroup subsys devices
[ 0.008461] Initializing cgroup subsys freezer
[ 0.008465] Initializing cgroup subsys net_cls
[ 0.008469] Initializing cgroup subsys blkio
[ 0.008484] Initializing cgroup subsys perf_event
[ 0.008541] CPU: Physical Processor ID: 0
[ 0.008545] CPU: Processor Core ID: 0
[ 0.008550] mce: CPU supports 4 MCE banks
[ 0.008564] CPU0: Thermal monitoring enabled (TM2)
[ 0.008660] ACPI: Core revision 20120320
[ 0.079624] Enabling APIC mode: Flat. Using 1 I/O APICs
[ 0.080004] ..TIMER: vector=0x30 apic1=0 pin1=2 apic2=-1 pin2=-1
[ 0.119756] CPU0: Intel(R) Pentium(R) D CPU 2.66GHz stepping 07
[ 0.120006] Performance Events: Netburst events, Netburst P4/Xeon PMU driver.
[ 0.120006] ... version:          0
[ 0.120006] ... bit width:          40
[ 0.120006] ... generic registers:    18
[ 0.120006] ... value mask:          000000ffffffff
[ 0.120006] ... max period:          0000007fffffffff
[ 0.120006] ... fixed-purpose events:  0
[ 0.120006] ... event mask:          0000000000003fff
[ 0.128041] NMI watchdog: enabled, takes one hw-pmu counter.
[ 0.140048] CPU 1 irqstacks, hard=f389a000 soft=f389c000
[ 0.140053] Booting Node 0, Processors #1
[ 0.008000] Initializing CPU#1
[ 0.152050] NMI watchdog: enabled, takes one hw-pmu counter.
[ 0.152112] Brought up 2 CPUs
[ 0.152120] Total of 2 processors activated (10640.52 BogoMIPS).
[ 0.153214] devtmpfs: initialized
[ 0.153214] PM: Registering ACPI NVS region [mem 0xe7e88c00-0xe7e8abff] (8192 bytes)
[ 0.153214] dummy:
[ 0.153214] NET: Registered protocol family 16
[ 0.153214] ACPI: bus type pci registered
[ 0.153214] PCI: MMCONFIG for domain 0000 [bus 00-3f] at [mem 0xf0000000-0xf3ffffff]
(base 0xf0000000)
[ 0.153214] PCI: MMCONFIG at [mem 0xf0000000-0xf3ffffff] reserved in E820
[ 0.153214] PCI: Using MMCONFIG for extended config space
[ 0.153214] PCI: Using configuration type 1 for base access
[ 0.156977] bio: create slab <bio-0> at 0
[ 0.156977] ACPI: Added _OSI(Module Device)
[ 0.156977] ACPI: Added _OSI(Processor Device)
[ 0.156977] ACPI: Added _OSI(3.0 _SCP Extensions)
[ 0.156977] ACPI: Added _OSI(Processor Aggregator Device)
[ 0.157878] ACPI: EC: Look up EC in DSDT

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[ 0.179868] [Firmware Bug]: ACPI: BIOS _OSI(Linux) query ignored
[ 0.191911] ACPI: Interpreter enabled
[ 0.191938] ACPI: (supports S0 S1 S3 S4 S5)
[ 0.192036] ACPI: Using IOAPIC for interrupt routing
[ 0.259137] ACPI: No dock devices found.
[ 0.259151] PCI: Ignoring host bridge windows from ACPI; if necessary, use "pci=use_crs" and
report a bug
[ 0.262964] ACPI: PCI Root Bridge [PCI0] (domain 0000 [bus 00-ff])
[ 0.270661] pci_root PNP0A03:00: host bridge window [io 0x0000-0x0cf7] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [io 0x0d00-0xffff] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [mem 0x000a0000-0x000bffff] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [mem 0x000c0000-0x000effff] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [mem 0x000f0000-0x000fffff] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [mem 0xe7f00000-0xffffffff] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [mem 0xf4000000-0xfefbffff] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [mem 0xffa80800-0xffa80bff] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [mem 0xffa7c000-0xffa7ffff] (ignored)
[ 0.270661] PCI: root bus 00: using default resources
[ 0.270661] PCI host bridge to bus 0000:00
[ 0.270661] pci_bus 0000:00: root bus resource [io 0x0000-0xffff]
[ 0.270661] pci_bus 0000:00: root bus resource [mem 0x00000000-0xffffffff]
[ 0.270661] pci 0000:00:00.0: [8086:2770] type 00 class 0x060000
[ 0.270661] pci 0000:00:01.0: [8086:2771] type 01 class 0x060400
[ 0.270661] pci 0000:00:01.0: PME# supported from D0 D3hot D3cold
[ 0.270661] pci 0000:00:1b.0: [8086:27d8] type 00 class 0x040300
[ 0.270661] pci 0000:00:1b.0: reg 10: [mem 0xeffc000-0xffffffff 64bit]
[ 0.270661] pci 0000:00:1b.0: PME# supported from D0 D3hot D3cold
[ 0.270661] pci 0000:00:1c.0: [8086:27d0] type 01 class 0x060400
[ 0.270661] pci 0000:00:1c.0: PME# supported from D0 D3hot D3cold
[ 0.270661] pci 0000:00:1d.0: [8086:27c8] type 00 class 0x0c0300
[ 0.270661] pci 0000:00:1d.0: reg 20: [io 0xff80-0xff9f]
[ 0.270661] pci 0000:00:1d.1: [8086:27c9] type 00 class 0x0c0300
[ 0.270661] pci 0000:00:1d.1: reg 20: [io 0xff60-0xff7f]
[ 0.270661] pci 0000:00:1d.2: [8086:27ca] type 00 class 0x0c0300
[ 0.270661] pci 0000:00:1d.2: reg 20: [io 0xff40-0xff5f]
[ 0.270661] pci 0000:00:1d.3: [8086:27cb] type 00 class 0x0c0300
[ 0.270661] pci 0000:00:1d.3: reg 20: [io 0xff20-0xff3f]
[ 0.270661] pci 0000:00:1d.7: [8086:27cc] type 00 class 0x0c0320
[ 0.270661] pci 0000:00:1d.7: reg 10: [mem 0xffa80800-0xffa80bff]
[ 0.272079] pci 0000:00:1d.7: PME# supported from D0 D3hot D3cold
[ 0.272116] pci 0000:00:1e.0: [8086:244e] type 01 class 0x060401
[ 0.272211] pci 0000:00:1f.0: [8086:27b8] type 00 class 0x060100
[ 0.272332] pci 0000:00:1f.0: ICH7 LPC Generic IO decode 1 PIO at 0c00 (mask 007f)
[ 0.272339] pci 0000:00:1f.0: ICH7 LPC Generic IO decode 2 PIO at 00e0 (mask 0007)
[ 0.272392] pci 0000:00:1f.1: [8086:27df] type 00 class 0x01018a
[ 0.272414] pci 0000:00:1f.1: reg 10: [io 0x01f0-0x01f7]
[ 0.272430] pci 0000:00:1f.1: reg 14: [io 0x03f4-0x03f7]
[ 0.272446] pci 0000:00:1f.1: reg 18: [io 0x0170-0x0177]
[ 0.272462] pci 0000:00:1f.1: reg 1c: [io 0x0374-0x0377]
[ 0.272478] pci 0000:00:1f.1: reg 20: [io 0xffa0-0xffaf]
[ 0.272534] pci 0000:00:1f.2: [8086:27c0] type 00 class 0x01018f
[ 0.272559] pci 0000:00:1f.2: reg 10: [io 0xfe00-0xfe07]

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[ 0.272574] pci 0000:00:1f.2: reg 14: [io 0xfe10-0xfe13]
[ 0.272589] pci 0000:00:1f.2: reg 18: [io 0xfe20-0xfe27]
[ 0.272604] pci 0000:00:1f.2: reg 1c: [io 0xfe30-0xfe33]
[ 0.272619] pci 0000:00:1f.2: reg 20: [io 0xfea0-0xfeaf]
[ 0.272634] pci 0000:00:1f.2: reg 24: [mem 0x00000000-0x000003ff]
[ 0.272674] pci 0000:00:1f.2: PME# supported from D3hot
[ 0.272702] pci 0000:00:1f.3: [8086:27da] type 00 class 0x0c0500
[ 0.272779] pci 0000:00:1f.3: reg 20: [io 0xece0-0xecff]
[ 0.272901] pci 0000:01:00.0: [1002:5b60] type 00 class 0x030000
[ 0.272927] pci 0000:01:00.0: reg 10: [mem 0xea000000-0xebffffff 64bit pref]
[ 0.272948] pci 0000:01:00.0: reg 18: [mem 0xefde0000-0xefdeffff 64bit]
[ 0.272963] pci 0000:01:00.0: reg 20: [io 0xdc00-0xdcff]
[ 0.272988] pci 0000:01:00.0: reg 30: [mem 0xefe00000-0xefe1ffff pref]
[ 0.273022] pci 0000:01:00.0: supports D1 D2
[ 0.273062] pci 0000:01:00.1: [1002:5b70] type 00 class 0x038000
[ 0.273088] pci 0000:01:00.1: reg 10: [mem 0xefdf0000-0xefdfffff 64bit]
[ 0.273168] pci 0000:01:00.1: supports D1 D2
[ 0.273195] pci 0000:01:00.0: disabling ASPM on pre-1.1 PCIe device. You can enable it with
'pcie_aspm=force'
[ 0.273213] pci 0000:00:01.0: PCI bridge to [bus 01-01]
[ 0.273221] pci 0000:00:01.0: bridge window [io 0xd000-0xdfff]
[ 0.273228] pci 0000:00:01.0: bridge window [mem 0xefd00000-0xefefffff]
[ 0.273237] pci 0000:00:01.0: bridge window [mem 0xea000000-0xebffffff 64bit pref]
[ 0.273337] pci 0000:02:00.0: [1002:4d53] type 00 class 0x048000
[ 0.273372] pci 0000:02:00.0: reg 10: [mem 0xefc00000-0xefcfffff]
[ 0.273417] pci 0000:02:00.0: reg 18: [mem 0xec000000-0xedffffff pref]
[ 0.273594] pci 0000:02:00.0: disabling ASPM on pre-1.1 PCIe device. You can enable it with
'pcie_aspm=force'
[ 0.273614] pci 0000:00:1c.0: PCI bridge to [bus 02-02]
[ 0.273625] pci 0000:00:1c.0: bridge window [mem 0xefc00000-0xefcfffff]
[ 0.273636] pci 0000:00:1c.0: bridge window [mem 0xec000000-0xedffffff 64bit pref]
[ 0.273709] pci 0000:03:08.0: [8086:27dc] type 00 class 0x020000
[ 0.273738] pci 0000:03:08.0: reg 10: [mem 0xefbf0000-0xefbfffff]
[ 0.273754] pci 0000:03:08.0: reg 14: [io 0xcc00-0xccff]
[ 0.273844] pci 0000:03:08.0: supports D1 D2
[ 0.273848] pci 0000:03:08.0: PME# supported from D0 D1 D2 D3hot D3cold
[ 0.273907] pci 0000:00:1e.0: PCI bridge to [bus 03-03] (subtractive decode)
[ 0.273915] pci 0000:00:1e.0: bridge window [io 0xc000-0xcfff]
[ 0.273923] pci 0000:00:1e.0: bridge window [mem 0xefb00000-0xefbfffff]
[ 0.273934] pci 0000:00:1e.0: bridge window [io 0x0000-0xffff] (subtractive decode)
[ 0.273940] pci 0000:00:1e.0: bridge window [mem 0x00000000-0xffffffff] (subtractive decode)
[ 0.273964] pci_bus 0000:00: on NUMA node 0
[ 0.273972] ACPI: PCI Interrupt Routing Table [_SB_.PCI0._PRT]
[ 0.275113] ACPI: PCI Interrupt Routing Table [_SB_.PCI0.PCI4._PRT]
[ 0.275882] ACPI: PCI Interrupt Routing Table [_SB_.PCI0.PCI2._PRT]
[ 0.276362] ACPI: PCI Interrupt Routing Table [_SB_.PCI0.PCI1._PRT]
[ 0.276842] pci0000:00: Unable to request _OSC control (_OSC support mask: 0x0f)
[ 0.885664] ACPI: PCI Interrupt Link [LNKA] (IRQs 3 4 5 6 7 9 10 *11 12 15)
[ 0.886195] ACPI: PCI Interrupt Link [LNKB] (IRQs 3 4 5 6 7 *9 10 11 12 15)
[ 0.886687] ACPI: PCI Interrupt Link [LNKC] (IRQs 3 4 *5 6 7 9 10 11 12 15)
[ 0.887172] ACPI: PCI Interrupt Link [LNKD] (IRQs 3 4 5 6 7 9 10 11 12 15) *0, disabled.
[ 0.887705] ACPI: PCI Interrupt Link [LNKE] (IRQs *3 4 5 6 7 9 10 11 12 15)

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[ 0.888213] ACPI: PCI Interrupt Link [LNKF] (IRQs 3 4 5 6 7 9 *10 11 12 15)
[ 0.888718] ACPI: PCI Interrupt Link [LNKG] (IRQs 3 4 5 6 7 *9 10 11 12 15)
[ 0.889225] ACPI: PCI Interrupt Link [LNKH] (IRQs 3 *4 5 6 7 9 10 11 12 15)
[ 0.889413] vgaarb: device added:
PCI:0000:01:00.0,decodes=io+mem,owns=io+mem,locks=none
[ 0.889413] vgaarb: loaded
[ 0.889413] vgaarb: bridge control possible 0000:01:00.0
[ 0.889413] PCI: Using ACPI for IRQ routing
[ 0.890500] PCI: pci_cache_line_size set to 64 bytes
[ 0.890634] reserve RAM buffer: 00000000e7e88c00 - 00000000e7ffffff
[ 0.892293] hpet0: at MMIO 0xfed00000, IRQs 2, 8, 0
[ 0.892307] hpet0: 3 comparators, 64-bit 14.318180 MHz counter
[ 0.894341] Switching to clocksource hpet
[ 0.894469] pnp: PnP ACPI init
[ 0.894507] ACPI: bus type pnp registered
[ 0.896139] pnp 00:00: [bus 00-ff]
[ 0.896146] pnp 00:00: [io 0x0cf8-0x0cff]
[ 0.896152] pnp 00:00: [io 0x0000-0x0cf7 window]
[ 0.896157] pnp 00:00: [io 0x0d00-0xffff window]
[ 0.896162] pnp 00:00: [mem 0x000a0000-0x000bffff window]
[ 0.896167] pnp 00:00: [mem 0x000c0000-0x000effff window]
[ 0.896172] pnp 00:00: [mem 0x000f0000-0x000fffff window]
[ 0.896178] pnp 00:00: [mem 0xe7f00000-0xffffffff window]
[ 0.896183] pnp 00:00: [mem 0xf4000000-0xfebfffff window]
[ 0.896188] pnp 00:00: [mem 0xffa80800-0xffa80bff window]
[ 0.896193] pnp 00:00: [mem 0xffa7c000-0xffa7ffff window]
[ 0.896268] pnp 00:00: Plug and Play ACPI device, IDs PNP0a03 (active)
[ 0.899234] pnp 00:01: [io 0x0060]
[ 0.899240] pnp 00:01: [io 0x0064]
[ 0.899244] pnp 00:01: [io 0x0062-0x0063]
[ 0.899249] pnp 00:01: [io 0x0065-0x006f]
[ 0.899253] pnp 00:01: [io 0x00e0-0x00ef]
[ 0.899258] pnp 00:01: [io 0x0800-0x085f]
[ 0.899263] pnp 00:01: [io 0x0c00-0x0c7f]
[ 0.899267] pnp 00:01: [io 0x0860-0x08ff]
[ 0.899370] system 00:01: [io 0x0800-0x085f] has been reserved
[ 0.899377] system 00:01: [io 0x0c00-0x0c7f] has been reserved
[ 0.899382] system 00:01: [io 0x0860-0x08ff] has been reserved
[ 0.899389] system 00:01: Plug and Play ACPI device, IDs PNP0c01 (active)
[ 0.899623] pnp 00:02: [io 0x0080-0x009f]
[ 0.899629] pnp 00:02: [io 0x0000-0x001f]
[ 0.899634] pnp 00:02: [io 0x00c0-0x00df]
[ 0.899639] pnp 00:02: [dma 4]
[ 0.899694] pnp 00:02: Plug and Play ACPI device, IDs PNP0200 (active)
[ 0.899868] pnp 00:03: [io 0x00f0-0x00ff]
[ 0.899885] pnp 00:03: [irq 13]
[ 0.899944] pnp 00:03: Plug and Play ACPI device, IDs PNP0c04 (active)
[ 0.900143] pnp 00:04: [io 0x0061]
[ 0.900204] pnp 00:04: Plug and Play ACPI device, IDs PNP0800 (active)
[ 0.900374] pnp 00:05: [io 0x0070-0x007f]
[ 0.900385] pnp 00:05: [irq 8]
[ 0.900442] pnp 00:05: Plug and Play ACPI device, IDs PNP0b00 (active)

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[0.920160] pnp 00:06: [mem 0x00000000-0x0009ffff]
[0.920167] pnp 00:06: [mem 0x00100000-0x00ffffff]
[0.920172] pnp 00:06: [mem 0x01000000-0xe7e88bff]
[0.920177] pnp 00:06: [mem 0x000f0000-0x000fffff]
[0.920182] pnp 00:06: [mem 0x000c0000-0x000cffff]
[0.920186] pnp 00:06: [mem 0xfec00000-0xfecfffff]
[0.920191] pnp 00:06: [mem 0xfe00000-0xfeffffff]
[0.920195] pnp 00:06: [mem 0xfed20000-0xfed9ffff]
[0.920200] pnp 00:06: [mem 0xffb00000-0xffbfffff]
[0.920205] pnp 00:06: [mem 0xffc00000-0xffffffff]
[0.920320] system 00:06: [mem 0x00000000-0x0009ffff] could not be reserved
[0.920328] system 00:06: [mem 0x00100000-0x00ffffff] could not be reserved
[0.920334] system 00:06: [mem 0x01000000-0xe7e88bff] could not be reserved
[0.920341] system 00:06: [mem 0x000f0000-0x000fffff] could not be reserved
[0.920347] system 00:06: [mem 0x000c0000-0x000cffff] could not be reserved
[0.920354] system 00:06: [mem 0xfec00000-0xfecfffff] could not be reserved
[0.920360] system 00:06: [mem 0xfe00000-0xfeffffff] has been reserved
[0.920366] system 00:06: [mem 0xfed20000-0xfed9ffff] has been reserved
[0.920372] system 00:06: [mem 0xffb00000-0xffbfffff] has been reserved
[0.920377] system 00:06: [mem 0xffc00000-0xffffffff] has been reserved
[0.920384] system 00:06: Plug and Play ACPI device, IDs PNP0c01 (active)
[0.923265] pnp 00:07: [mem 0xf0000000-0xf3ffffff]
[0.923271] pnp 00:07: [mem 0xfeda0000-0xfedacfff]
[0.923276] pnp 00:07: [io 0x0100-0x01fe]
[0.923280] pnp 00:07: [io 0x0200-0x0277]
[0.923284] pnp 00:07: [io 0x0280-0x02e7]
[0.923289] pnp 00:07: [io 0x02e8-0x02ef]
[0.923293] pnp 00:07: [io 0x02f0-0x02f7]
[0.923298] pnp 00:07: [io 0x02f8-0x02ff]
[0.923302] pnp 00:07: [io 0x0300-0x0377]
[0.923306] pnp 00:07: [io 0x0380-0x03bb]
[0.923311] pnp 00:07: [io 0x03c0-0x03e7]
[0.923315] pnp 00:07: [io 0x03f6-0x03f7]
[0.923326] pnp 00:07: [io 0x0400-0x04cf]
[0.923330] pnp 00:07: [io 0x04d2-0x057f]
[0.923335] pnp 00:07: [io 0x0580-0x0677]
[0.923339] pnp 00:07: [io 0x0680-0x0777]
[0.923344] pnp 00:07: [io 0x0780-0x07bb]
[0.923348] pnp 00:07: [io 0x07c0-0x07ff]
[0.923353] pnp 00:07: [io 0x08e0-0x08ff]
[0.923357] pnp 00:07: [io 0x0900-0x09fe]
[0.923361] pnp 00:07: [io 0x0a00-0x0afe]
[0.923366] pnp 00:07: [io 0x0b00-0x0bfe]
[0.923370] pnp 00:07: [io 0x0c80-0x0caf]
[0.923375] pnp 00:07: [io 0x0cb0-0x0cbf]
[0.923379] pnp 00:07: [io 0x0cc0-0x0cf7]
[0.923383] pnp 00:07: [io 0x0d00-0x0dfe]
[0.923388] pnp 00:07: [io 0x0e00-0x0efe]
[0.923392] pnp 00:07: [io 0x0f00-0x0ffe]
[0.923397] pnp 00:07: [io 0x2000-0x20fe]
[0.923401] pnp 00:07: [io 0x2100-0x21fe]
[0.923406] pnp 00:07: [io 0x2200-0x22fe]

[0.923410] pnp 00:07: [io 0x2300-0x23fe]
[0.923415] pnp 00:07: [io 0x2400-0x24fe]
[0.923419] pnp 00:07: [io 0x2500-0x25fe]
[0.923423] pnp 00:07: [io 0x2600-0x26fe]
[0.923428] pnp 00:07: [io 0x2700-0x27fe]
[0.923432] pnp 00:07: [io 0x2800-0x28fe]
[0.923437] pnp 00:07: [io 0x2900-0x29fe]
[0.923441] pnp 00:07: [io 0x2a00-0x2afe]
[0.923446] pnp 00:07: [io 0x2b00-0x2bfe]
[0.923450] pnp 00:07: [io 0x2c00-0x2cfe]
[0.923454] pnp 00:07: [io 0x2d00-0x2dfe]
[0.923459] pnp 00:07: [io 0x2e00-0x2efe]
[0.923463] pnp 00:07: [io 0x2f00-0x2ffe]
[0.923468] pnp 00:07: [io 0x5000-0x50fe]
[0.923472] pnp 00:07: [io 0x5100-0x51fe]
[0.923476] pnp 00:07: [io 0x5200-0x52fe]
[0.923481] pnp 00:07: [io 0x5300-0x53fe]
[0.923485] pnp 00:07: [io 0x5400-0x54fe]
[0.923490] pnp 00:07: [io 0x5500-0x55fe]
[0.923494] pnp 00:07: [io 0x5600-0x56fe]
[0.923498] pnp 00:07: [io 0x5700-0x57fe]
[0.923503] pnp 00:07: [io 0x5800-0x58fe]
[0.923507] pnp 00:07: [io 0x5900-0x59fe]
[0.923512] pnp 00:07: [io 0x5a00-0x5afe]
[0.923516] pnp 00:07: [io 0x5b00-0x5bfe]
[0.923521] pnp 00:07: [io 0x5c00-0x5cfe]
[0.923525] pnp 00:07: [io 0x5d00-0x5dfe]
[0.923529] pnp 00:07: [io 0x5e00-0x5efe]
[0.923534] pnp 00:07: [io 0x5f00-0x5ffe]
[0.923538] pnp 00:07: [io 0x6000-0x60fe]
[0.923543] pnp 00:07: [io 0x6100-0x61fe]
[0.923547] pnp 00:07: [io 0x6200-0x62fe]
[0.923551] pnp 00:07: [io 0x6300-0x63fe]
[0.923556] pnp 00:07: [io 0x6400-0x64fe]
[0.923560] pnp 00:07: [io 0x6500-0x65fe]
[0.923565] pnp 00:07: [io 0x6600-0x66fe]
[0.923569] pnp 00:07: [io 0x6700-0x67fe]
[0.923574] pnp 00:07: [io 0x6800-0x68fe]
[0.923578] pnp 00:07: [io 0x6900-0x69fe]
[0.923582] pnp 00:07: [io 0x6a00-0x6afe]
[0.923589] pnp 00:07: [io 0x6b00-0x6bfe]
[0.923593] pnp 00:07: [io 0x6c00-0x6cfe]
[0.923598] pnp 00:07: [io 0x6d00-0x6dfe]
[0.923602] pnp 00:07: [io 0x6e00-0x6efe]
[0.923606] pnp 00:07: [io 0x6f00-0x6ffe]
[0.923611] pnp 00:07: [io 0xa000-0xa0fe]
[0.923615] pnp 00:07: [io 0xa100-0xa1fe]
[0.923620] pnp 00:07: [io 0xa200-0xa2fe]
[0.923624] pnp 00:07: [io 0xa300-0xa3fe]
[0.923629] pnp 00:07: [io 0xa400-0xa4fe]
[0.923633] pnp 00:07: [io 0xa500-0xa5fe]
[0.923637] pnp 00:07: [io 0xa600-0xa6fe]

[0.923642] pnp 00:07: [io 0xa700-0xa7fe]
[0.923646] pnp 00:07: [io 0xa800-0xa8fe]
[0.923651] pnp 00:07: [io 0xa900-0xa9fe]
[0.923655] pnp 00:07: [io 0xaa00-0xaafe]
[0.923659] pnp 00:07: [io 0xab00-0xabfe]
[0.923664] pnp 00:07: [io 0xac00-0xacfe]
[0.923668] pnp 00:07: [io 0xad00-0xadfe]
[0.923673] pnp 00:07: [io 0xae00-0xaefe]
[0.923677] pnp 00:07: [io 0xaf00-0xaffe]
[0.924161] system 00:07: [io 0x0100-0x01fe] could not be reserved
[0.924168] system 00:07: [io 0x0200-0x0277] has been reserved
[0.924174] system 00:07: [io 0x0280-0x02e7] has been reserved
[0.924179] system 00:07: [io 0x02e8-0x02ef] has been reserved
[0.924185] system 00:07: [io 0x02f0-0x02f7] has been reserved
[0.924190] system 00:07: [io 0x02f8-0x02ff] has been reserved
[0.924196] system 00:07: [io 0x0300-0x0377] could not be reserved
[0.924202] system 00:07: [io 0x0380-0x03bb] has been reserved
[0.924208] system 00:07: [io 0x03c0-0x03e7] could not be reserved
[0.924214] system 00:07: [io 0x03f6-0x03f7] could not be reserved
[0.924219] system 00:07: [io 0x0400-0x04cf] has been reserved
[0.924225] system 00:07: [io 0x04d2-0x057f] has been reserved
[0.924230] system 00:07: [io 0x0580-0x0677] has been reserved
[0.924236] system 00:07: [io 0x0680-0x0777] has been reserved
[0.924241] system 00:07: [io 0x0780-0x07bb] has been reserved
[0.924247] system 00:07: [io 0x07c0-0x07ff] has been reserved
[0.924252] system 00:07: [io 0x08e0-0x08ff] has been reserved
[0.924258] system 00:07: [io 0x0900-0x09fe] has been reserved
[0.924263] system 00:07: [io 0x0a00-0x0afe] has been reserved
[0.924269] system 00:07: [io 0x0b00-0x0bfe] has been reserved
[0.924274] system 00:07: [io 0x0c80-0x0caf] has been reserved
[0.924280] system 00:07: [io 0x0cb0-0x0cbf] has been reserved
[0.924285] system 00:07: [io 0x0cc0-0x0cf7] has been reserved
[0.924291] system 00:07: [io 0x0d00-0x0dfe] has been reserved
[0.924297] system 00:07: [io 0x0e00-0x0efe] has been reserved
[0.924302] system 00:07: [io 0x0f00-0x0ffe] has been reserved
[0.924308] system 00:07: [io 0x2000-0x20fe] has been reserved
[0.924313] system 00:07: [io 0x2100-0x21fe] has been reserved
[0.924319] system 00:07: [io 0x2200-0x22fe] has been reserved
[0.924325] system 00:07: [io 0x2300-0x23fe] has been reserved
[0.924330] system 00:07: [io 0x2400-0x24fe] has been reserved
[0.924336] system 00:07: [io 0x2500-0x25fe] has been reserved
[0.924341] system 00:07: [io 0x2600-0x26fe] has been reserved
[0.924347] system 00:07: [io 0x2700-0x27fe] has been reserved
[0.924353] system 00:07: [io 0x2800-0x28fe] has been reserved
[0.924359] system 00:07: [io 0x2900-0x29fe] has been reserved
[0.924365] system 00:07: [io 0x2a00-0x2afe] has been reserved
[0.924370] system 00:07: [io 0x2b00-0x2bfe] has been reserved
[0.924376] system 00:07: [io 0x2c00-0x2cfe] has been reserved
[0.924382] system 00:07: [io 0x2d00-0x2dfe] has been reserved
[0.924387] system 00:07: [io 0x2e00-0x2efe] has been reserved
[0.924393] system 00:07: [io 0x2f00-0x2ffe] has been reserved
[0.924399] system 00:07: [io 0x5000-0x50fe] has been reserved

[0.924404] system 00:07: [io 0x5100-0x51fe] has been reserved
[0.924410] system 00:07: [io 0x5200-0x52fe] has been reserved
[0.924416] system 00:07: [io 0x5300-0x53fe] has been reserved
[0.924422] system 00:07: [io 0x5400-0x54fe] has been reserved
[0.924427] system 00:07: [io 0x5500-0x55fe] has been reserved
[0.924433] system 00:07: [io 0x5600-0x56fe] has been reserved
[0.924439] system 00:07: [io 0x5700-0x57fe] has been reserved
[0.924445] system 00:07: [io 0x5800-0x58fe] has been reserved
[0.924450] system 00:07: [io 0x5900-0x59fe] has been reserved
[0.924456] system 00:07: [io 0x5a00-0x5afe] has been reserved
[0.924462] system 00:07: [io 0x5b00-0x5bfe] has been reserved
[0.924468] system 00:07: [io 0x5c00-0x5cfe] has been reserved
[0.924474] system 00:07: [io 0x5d00-0x5dfe] has been reserved
[0.924480] system 00:07: [io 0x5e00-0x5efe] has been reserved
[0.924486] system 00:07: [io 0x5f00-0x5ffe] has been reserved
[0.924492] system 00:07: [io 0x6000-0x60fe] has been reserved
[0.924497] system 00:07: [io 0x6100-0x61fe] has been reserved
[0.924506] system 00:07: [io 0x6200-0x62fe] has been reserved
[0.924512] system 00:07: [io 0x6300-0x63fe] has been reserved
[0.924518] system 00:07: [io 0x6400-0x64fe] has been reserved
[0.924524] system 00:07: [io 0x6500-0x65fe] has been reserved
[0.924530] system 00:07: [io 0x6600-0x66fe] has been reserved
[0.924536] system 00:07: [io 0x6700-0x67fe] has been reserved
[0.924542] system 00:07: [io 0x6800-0x68fe] has been reserved
[0.924548] system 00:07: [io 0x6900-0x69fe] has been reserved
[0.924554] system 00:07: [io 0x6a00-0x6afe] has been reserved
[0.924561] system 00:07: [io 0x6b00-0x6bfe] has been reserved
[0.924567] system 00:07: [io 0x6c00-0x6cfe] has been reserved
[0.924573] system 00:07: [io 0x6d00-0x6dfe] has been reserved
[0.924579] system 00:07: [io 0x6e00-0x6efe] has been reserved
[0.924586] system 00:07: [io 0x6f00-0x6ffe] has been reserved
[0.924592] system 00:07: [io 0xa000-0xa0fe] has been reserved
[0.924598] system 00:07: [io 0xa100-0xa1fe] has been reserved
[0.924604] system 00:07: [io 0xa200-0xa2fe] has been reserved
[0.924611] system 00:07: [io 0xa300-0xa3fe] has been reserved
[0.924617] system 00:07: [io 0xa400-0xa4fe] has been reserved
[0.924623] system 00:07: [io 0xa500-0xa5fe] has been reserved
[0.924630] system 00:07: [io 0xa600-0xa6fe] has been reserved
[0.924636] system 00:07: [io 0xa700-0xa7fe] has been reserved
[0.924643] system 00:07: [io 0xa800-0xa8fe] has been reserved
[0.924649] system 00:07: [io 0xa900-0xa9fe] has been reserved
[0.924656] system 00:07: [io 0xaa00-0xaafe] has been reserved
[0.924662] system 00:07: [io 0xab00-0xabfe] has been reserved
[0.924669] system 00:07: [io 0xac00-0xacfe] has been reserved
[0.924675] system 00:07: [io 0xad00-0xadfe] has been reserved
[0.924682] system 00:07: [io 0xae00-0xaefe] has been reserved
[0.924689] system 00:07: [io 0xaf00-0xaffe] has been reserved
[0.924696] system 00:07: [mem 0xf0000000-0xf3ffffff] has been reserved
[0.924702] system 00:07: [mem 0xfeda0000-0xfedacfff] has been reserved
[0.924709] system 00:07: Plug and Play ACPI device, IDs PNP0c02 (active)
[0.924723] pnp: PnP ACPI: found 8 devices
[0.924726] ACPI: ACPI bus type pnp unregistered

[0.924733] PnPBIOS: Disabled by ACPI PNP
[0.964887] pci 0000:00:1c.0: bridge window [io 0x1000-0x0fff] to [bus 02-02] add_size 1000
[0.964912] pci 0000:00:1c.0: res[13]=[io 0x1000-0x0fff] get_res_add_size add_size 1000
[0.964923] pci 0000:00:1c.0: BAR 13: assigned [io 0x1000-0x1fff]
[0.964931] pci 0000:00:1f.2: BAR 5: assigned [mem 0xf4000000-0xf40003ff]
[0.964943] pci 0000:00:01.0: PCI bridge to [bus 01-01]
[0.964951] pci 0000:00:01.0: bridge window [io 0xd000-0xdfff]
[0.964959] pci 0000:00:01.0: bridge window [mem 0xefd00000-0xefefffff]
[0.964967] pci 0000:00:01.0: bridge window [mem 0xea000000-0xebffffff 64bit pref]
[0.964977] pci 0000:00:1c.0: PCI bridge to [bus 02-02]
[0.964983] pci 0000:00:1c.0: bridge window [io 0x1000-0x1fff]
[0.964992] pci 0000:00:1c.0: bridge window [mem 0xefc00000-0xefcfffff]
[0.965000] pci 0000:00:1c.0: bridge window [mem 0xec000000-0xedffffff 64bit pref]
[0.965010] pci 0000:00:1e.0: PCI bridge to [bus 03-03]
[0.965016] pci 0000:00:1e.0: bridge window [io 0xc000-0xcfff]
[0.965026] pci 0000:00:1e.0: bridge window [mem 0xefb00000-0xefbfffff]
[0.965079] pci 0000:00:1e.0: setting latency timer to 64
[0.965088] pci_bus 0000:00: resource 4 [io 0x0000-0xffff]
[0.965093] pci_bus 0000:00: resource 5 [mem 0x00000000-0xffffffff]
[0.965098] pci_bus 0000:01: resource 0 [io 0xd000-0xdfff]
[0.965103] pci_bus 0000:01: resource 1 [mem 0xefd00000-0xefefffff]
[0.965108] pci_bus 0000:01: resource 2 [mem 0xea000000-0xebffffff 64bit pref]
[0.965113] pci_bus 0000:02: resource 0 [io 0x1000-0x1fff]
[0.965118] pci_bus 0000:02: resource 1 [mem 0xefc00000-0xefcfffff]
[0.965123] pci_bus 0000:02: resource 2 [mem 0xec000000-0xedffffff 64bit pref]
[0.965128] pci_bus 0000:03: resource 0 [io 0xc000-0xcfff]
[0.965132] pci_bus 0000:03: resource 1 [mem 0xefb00000-0xefbfffff]
[0.965137] pci_bus 0000:03: resource 4 [io 0x0000-0xffff]
[0.965142] pci_bus 0000:03: resource 5 [mem 0x00000000-0xffffffff]
[0.965288] NET: Registered protocol family 2
[0.965411] IP route cache hash table entries: 32768 (order: 5, 131072 bytes)
[0.965769] TCP established hash table entries: 131072 (order: 8, 1048576 bytes)
[0.966332] TCP bind hash table entries: 65536 (order: 7, 524288 bytes)
[0.966671] TCP: Hash tables configured (established 131072 bind 65536)
[0.966676] TCP: reno registered
[0.966682] UDP hash table entries: 512 (order: 2, 16384 bytes)
[0.966698] UDP-Lite hash table entries: 512 (order: 2, 16384 bytes)
[0.966905] NET: Registered protocol family 1
[0.967181] pci 0000:01:00.0: Boot video device
[0.967216] pci 0000:03:08.0: Firmware left e100 interrupts enabled; disabling
[0.967227] PCI: CLS 64 bytes, default 64
[0.967330] Unpacking initramfs...
[1.440936] Freeing initrd memory: 14260k freed
[1.451340] Simple Boot Flag at 0x7a set to 0x1
[1.452151] audit: initializing netlink socket (disabled)
[1.452183] type=2000 audit(1485983303.448:1): initialized
[1.470069] highmem bounce pool size: 64 pages
[1.470080] HugeTLB registered 4 MB page size, pre-allocated 0 pages
[1.470469] VFS: Disk quotas dquot_6.5.2
[1.470519] Dquot-cache hash table entries: 1024 (order 0, 4096 bytes)
[1.470658] msgmni has been set to 1688
[1.471012] alg: No test for stdrng (krng)

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[ 1.471076] Block layer SCSI generic (bsg) driver version 0.4 loaded (major 253)
[ 1.471083] io scheduler noop registered
[ 1.471087] io scheduler deadline registered
[ 1.471129] io scheduler cfq registered (default)
[ 1.471482] pci_hotplug: PCI Hot Plug PCI Core version: 0.5
[ 1.471522] pciehp: PCI Express Hot Plug Controller Driver version: 0.4
[ 1.471526] acpiphp: ACPI Hot Plug PCI Controller Driver version: 0.5
[ 1.472451] GHES: HEST is not enabled!
[ 1.472477] isapnp: Scanning for PnP cards...
[ 1.826016] isapnp: No Plug & Play device found
[ 1.826123] Serial: 8250/16550 driver, 4 ports, IRQ sharing enabled
[ 1.826817] Linux agpgart interface v0.103
[ 1.827363] i8042: PNP: No PS/2 controller found. Probing ports directly.
[ 1.830183] serio: i8042 KBD port at 0x60,0x64 irq 1
[ 1.830245] serio: i8042 AUX port at 0x60,0x64 irq 12
[ 1.830474] mousedev: PS/2 mouse device common for all mice
[ 1.830562] rtc_cmos 00:05: RTC can wake from S4
[ 1.830763] rtc_cmos 00:05: rtc core: registered rtc_cmos as rtc0
[ 1.830800] rtc0: alarms up to one day, 242 bytes nvram, hpet irqs
[ 1.830985] TCP: cubic registered
[ 1.831104] NET: Registered protocol family 10
[ 1.831500] Mobile IPv6
[ 1.831507] NET: Registered protocol family 17
[ 1.831517] Registering the dns_resolver key type
[ 1.831611] Using IPI No-Shortcut mode
[ 1.831843] PM: Hibernation image not present or could not be loaded.
[ 1.831869] registered taskstats version 1
[ 1.832483] rtc_cmos 00:05: setting system clock to 2017-02-01 21:08:24 UTC (1485983304)
[ 1.832702] Freeing unused kernel memory: 416k freed
[ 1.833097] Write protecting the kernel text: 3496k
[ 1.833137] Write protecting the kernel read-only data: 984k
[ 1.856686] udevd[50]: starting version 175
[ 1.887148] SCSI subsystem initialized
[ 1.908520] usbcore: registered new interface driver usbfs
[ 1.908568] usbcore: registered new interface driver hub
[ 1.909583] libata version 3.00 loaded.
[ 1.910281] ata_piix 0000:00:1f.1: version 2.13
[ 1.910382] ata_piix 0000:00:1f.1: setting latency timer to 64
[ 1.915885] usbcore: registered new device driver usb
[ 1.916803] ehci_hcd: USB 2.0 'Enhanced' Host Controller (EHCI) Driver
[ 1.917102] scsi0 : ata_piix
[ 1.923847] scsi1 : ata_piix
[ 1.926147] ata1: PATA max UDMA/100 cmd 0x1f0 ctl 0x3f6 bmdma 0xffa0 irq 14
[ 1.926156] ata2: PATA max UDMA/100 cmd 0x170 ctl 0x376 bmdma 0xffa8 irq 15
[ 1.927276] ata_piix 0000:00:1f.2: MAP [ P0 P2 P1 P3 ]
[ 1.928156] ata2: port disabled--ignoring
[ 1.944665] uhci_hcd: USB Universal Host Controller Interface driver
[ 1.957797] microcode: CPU0 sig=0xf47, pf=0x10, revision=0x3
[ 1.998125] microcode: CPU1 sig=0xf47, pf=0x10, revision=0x3
[ 2.003057] microcode: Microcode Update Driver: v2.00 <tigran@aivazian.fsnet.co.uk>, Peter
Oruba
[ 2.080063] ata_piix 0000:00:1f.2: setting latency timer to 64

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[2.080794] scsi2 : ata_piix
[2.080942] scsi3 : ata_piix
[2.081041] ata3: SATA max UDMA/133 cmd 0xfe00 ctl 0xfe10 bmdma 0xfea0 irq 20
[2.081047] ata4: SATA max UDMA/133 cmd 0xfe20 ctl 0xfe30 bmdma 0xfea8 irq 20
[2.081180] ehci_hcd 0000:00:1d.7: setting latency timer to 64
[2.081191] ehci_hcd 0000:00:1d.7: EHCI Host Controller
[2.081269] ehci_hcd 0000:00:1d.7: new USB bus registered, assigned bus number 1
[2.081304] ehci_hcd 0000:00:1d.7: using broken periodic workaround
[2.081322] ehci_hcd 0000:00:1d.7: debug port 1
[2.085224] ehci_hcd 0000:00:1d.7: cache line size of 64 is not supported
[2.085257] ehci_hcd 0000:00:1d.7: irq 21, io mem 0xffa80800
[2.088434] ata1.00: ATAPI: HL-DT-STDVD+-RW GSA-H21N, A105, max UDMA/33
[2.096037] ehci_hcd 0000:00:1d.7: USB 2.0 started, EHCI 1.00
[2.096163] usb usb1: New USB device found, idVendor=1d6b, idProduct=0002
[2.096173] usb usb1: New USB device strings: Mfr=3, Product=2, SerialNumber=1
[2.096190] usb usb1: Product: EHCI Host Controller
[2.096198] usb usb1: Manufacturer: Linux 3.4-9-rtai-686-pae ehci_hcd
[2.096209] usb usb1: SerialNumber: 0000:00:1d.7
[2.096464] hub 1-0:1.0: USB hub found
[2.096475] hub 1-0:1.0: 8 ports detected
[2.096725] uhci_hcd 0000:00:1d.0: setting latency timer to 64
[2.096734] uhci_hcd 0000:00:1d.0: UHCI Host Controller
[2.096750] uhci_hcd 0000:00:1d.0: new USB bus registered, assigned bus number 2
[2.096787] uhci_hcd 0000:00:1d.0: irq 21, io base 0x0000ff80
[2.096857] usb usb2: New USB device found, idVendor=1d6b, idProduct=0001
[2.096863] usb usb2: New USB device strings: Mfr=3, Product=2, SerialNumber=1
[2.096869] usb usb2: Product: UHCI Host Controller
[2.096877] usb usb2: Manufacturer: Linux 3.4-9-rtai-686-pae uhci_hcd
[2.096883] usb usb2: SerialNumber: 0000:00:1d.0
[2.097621] hub 2-0:1.0: USB hub found
[2.097634] hub 2-0:1.0: 2 ports detected
[2.097801] uhci_hcd 0000:00:1d.1: setting latency timer to 64
[2.097809] uhci_hcd 0000:00:1d.1: UHCI Host Controller
[2.097825] uhci_hcd 0000:00:1d.1: new USB bus registered, assigned bus number 3
[2.097882] uhci_hcd 0000:00:1d.1: irq 22, io base 0x0000ff60
[2.097948] usb usb3: New USB device found, idVendor=1d6b, idProduct=0001
[2.097954] usb usb3: New USB device strings: Mfr=3, Product=2, SerialNumber=1
[2.097959] usb usb3: Product: UHCI Host Controller
[2.097963] usb usb3: Manufacturer: Linux 3.4-9-rtai-686-pae uhci_hcd
[2.097967] usb usb3: SerialNumber: 0000:00:1d.1
[2.098314] hub 3-0:1.0: USB hub found
[2.098325] hub 3-0:1.0: 2 ports detected
[2.098488] uhci_hcd 0000:00:1d.2: setting latency timer to 64
[2.098495] uhci_hcd 0000:00:1d.2: UHCI Host Controller
[2.098510] uhci_hcd 0000:00:1d.2: new USB bus registered, assigned bus number 4
[2.098560] uhci_hcd 0000:00:1d.2: irq 18, io base 0x0000ff40
[2.098625] usb usb4: New USB device found, idVendor=1d6b, idProduct=0001
[2.098630] usb usb4: New USB device strings: Mfr=3, Product=2, SerialNumber=1
[2.098635] usb usb4: Product: UHCI Host Controller
[2.098639] usb usb4: Manufacturer: Linux 3.4-9-rtai-686-pae uhci_hcd
[2.098643] usb usb4: SerialNumber: 0000:00:1d.2
[2.099778] hub 4-0:1.0: USB hub found

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[ 2.099790] hub 4-0:1.0: 2 ports detected
[ 2.099974] uhci_hcd 0000:00:1d.3: setting latency timer to 64
[ 2.099982] uhci_hcd 0000:00:1d.3: UHCI Host Controller
[ 2.100039] uhci_hcd 0000:00:1d.3: new USB bus registered, assigned bus number 5
[ 2.100097] uhci_hcd 0000:00:1d.3: irq 23, io base 0x0000ff20
[ 2.100165] usb usb5: New USB device found, idVendor=1d6b, idProduct=0001
[ 2.100174] usb usb5: New USB device strings: Mfr=3, Product=2, SerialNumber=1
[ 2.100180] usb usb5: Product: UHCI Host Controller
[ 2.100184] usb usb5: Manufacturer: Linux 3.4-9-rtai-686-pae uhci_hcd
[ 2.100189] usb usb5: SerialNumber: 0000:00:1d.3
[ 2.100820] hub 5-0:1.0: USB hub found
[ 2.100832] hub 5-0:1.0: 2 ports detected
[ 2.104354] ata1.00: configured for UDMA/33
[ 2.107462] scsi 0:0:0:0: CD-ROM          HL-DT-ST DVD+-RW GSA-H21N A105 PQ: 0 ANSI:
5
[ 2.251210] ata3.00: ATA-8: WDC WD10EARS-00Y5B1, 80.00A80, max UDMA/133
[ 2.251217] ata3.00: 1953525168 sectors, multi 8: LBA48 NCQ (depth 0/32)
[ 2.264322] ata3.00: configured for UDMA/133
[ 2.264491] scsi 2:0:0:0: Direct-Access  ATA  WDC WD10EARS-00Y 80.0 PQ: 0 ANSI: 5
[ 2.265558] e100: Intel(R) PRO/100 Network Driver, 3.5.24-k2-NAPI
[ 2.265566] e100: Copyright(c) 1999-2006 Intel Corporation
[ 2.285525] sd 2:0:0:0: [sda] 1953525168 512-byte logical blocks: (1.00 TB/931 GiB)
[ 2.285663] sd 2:0:0:0: [sda] Write Protect is off
[ 2.285672] sd 2:0:0:0: [sda] Mode Sense: 00 3a 00 00
[ 2.285733] sd 2:0:0:0: [sda] Write cache: enabled, read cache: enabled, doesn't support DPO or
FUA
[ 2.290015] sr0: scsi3-mmc drive: 48x/48x writer cd/rw xa/form2 cdda tray
[ 2.290026] cdrom: Uniform CD-ROM driver Revision: 3.20
[ 2.290736] sr 0:0:0:0: Attached scsi CD-ROM sr0
[ 2.296728] e100 0000:03:08.0: eth0: addr 0xefbfff000, irq 20, MAC addr 00:13:72:e4:e2:3e
[ 2.314446] sda: sda1 sda2 < sda5 >
[ 2.315139] sd 2:0:0:0: [sda] Attached SCSI disk
[ 2.319435] sr 0:0:0:0: Attached scsi generic sg0 type 5
[ 2.319742] sd 2:0:0:0: Attached scsi generic sg1 type 0
[ 2.448032] Refined TSC clocksource calibration: 2659.999 MHz.
[ 2.448045] Switching to clocksource tsc
[ 2.520030] usb 1-3: new high-speed USB device number 4 using ehci_hcd
[ 2.725826] usb 1-3: New USB device found, idVendor=0644, idProduct=0200
[ 2.725835] usb 1-3: New USB device strings: Mfr=1, Product=2, SerialNumber=3
[ 2.725842] usb 1-3: Product: CA-200
[ 2.725846] usb 1-3: Manufacturer: TEAC
[ 2.725850] usb 1-3: SerialNumber: 000001084787
[ 2.730731] Initializing USB Mass Storage driver...
[ 2.730932] scsi4 : usb-storage 1-3:1.0
[ 2.731081] usbcore: registered new interface driver usb-storage
[ 2.731087] USB Mass Storage support registered.
[ 2.964030] usb 2-1: new low-speed USB device number 2 using uhci_hcd
[ 3.171854] usb 2-1: New USB device found, idVendor=413c, idProduct=2105
[ 3.171860] usb 2-1: New USB device strings: Mfr=1, Product=2, SerialNumber=0
[ 3.171866] usb 2-1: Product: Dell USB Keyboard
[ 3.171870] usb 2-1: Manufacturer: Dell
[ 3.246719] input: Dell Dell USB Keyboard as /devices/pci0000:00/0000:00:1d.0/usb2/2-1/2-

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1:1.0/input/input0
[ 3.246894] generic-usb 0003:413C:2105.0001: input,hidraw0: USB HID v1.10 Keyboard [Dell
Dell USB Keyboard] on usb-0000:00:1d.0-1/input0
[ 3.247220] usbcore: registered new interface driver usbhid
[ 3.247226] usbhid: USB HID core driver
[ 3.444025] usb 2-2: new low-speed USB device number 3 using uhci_hcd
[ 3.620855] usb 2-2: New USB device found, idVendor=046d, idProduct=c03f
[ 3.620862] usb 2-2: New USB device strings: Mfr=1, Product=2, SerialNumber=0
[ 3.620867] usb 2-2: Product: USB-PS/2 Optical Mouse
[ 3.620871] usb 2-2: Manufacturer: Logitech
[ 3.637577] input: Logitech USB-PS/2 Optical Mouse as
/devices/pci0000:00/0000:00:1d.0/usb2/2-2/2-2:1.0/input/input1
[ 3.637745] generic-usb 0003:046D:C03F.0002: input,hidraw1: USB HID v1.10 Mouse [Logitech
USB-PS/2 Optical Mouse] on usb-0000:00:1d.0-2/input0
[ 3.737995] scsi 4:0:0:0: Direct-Access    TEAC    USB    HS-CF Card 4.00 PQ: 0 ANSI: 0
[ 3.741731] scsi 4:0:0:1: Direct-Access    TEAC    USB    HS-xD/SM  4.00 PQ: 0 ANSI: 0
[ 3.745479] scsi 4:0:0:2: Direct-Access    TEAC    USB    HS-MS Card 4.00 PQ: 0 ANSI: 0
[ 3.749105] scsi 4:0:0:3: Direct-Access    TEAC    USB    HS-SD Card 4.00 PQ: 0 ANSI: 0
[ 3.751376] sd 4:0:0:0: Attached scsi generic sg2 type 0
[ 3.752494] sd 4:0:0:1: Attached scsi generic sg3 type 0
[ 3.754579] sd 4:0:0:2: Attached scsi generic sg4 type 0
[ 3.755041] sd 4:0:0:3: Attached scsi generic sg5 type 0
[ 3.906350] sd 4:0:0:0: [sdb] Attached SCSI removable disk
[ 3.910839] sd 4:0:0:1: [sdc] Attached SCSI removable disk
[ 3.915464] sd 4:0:0:2: [sdd] Attached SCSI removable disk
[ 3.919457] sd 4:0:0:3: [sde] Attached SCSI removable disk
[ 7.719359] PM: Starting manual resume from disk
[ 7.719367] PM: Hibernation image partition 8:5 present
[ 7.719371] PM: Looking for hibernation image.
[ 7.719683] PM: Image not found (code -22)
[ 7.719688] PM: Hibernation image not present or could not be loaded.
[ 7.946247] EXT4-fs (sda1): mounted filesystem with ordered data mode. Opts: (null)
[ 9.815699] udevd[368]: starting version 175
[ 10.069609] input: Power Button as
/devices/LNXSYSTM:00/LNXXSYBUS:00/PPNP0C0C:00/input/input2
[ 10.069626] ACPI: Power Button [VBTN]
[ 10.070036] input: Power Button as /devices/LNXSYSTM:00/LNXPWRBN:00/input/input3
[ 10.070046] ACPI: Power Button [PWRF]
[ 10.378073] dcdbas dcdbas: Dell Systems Management Base Driver (version 5.6.0-3.2)
[ 10.389101] intel_rng: Firmware space is locked read-only. If you can't or
[ 10.389105] intel_rng: don't want to disable this in firmware setup, and if
[ 10.389107] intel_rng: you are certain that your system has a functional
[ 10.389109] intel_rng: RNG, try using the 'no_fw_h_detect' option.
[ 10.423935] iTCO_vendor_support: vendor-support=0
[ 10.469363] iTCO_wdt: Intel TCO WatchDog Timer Driver v1.07
[ 10.469511] iTCO_wdt: Found a ICH7 or ICH7R TCO device (Version=2, TCOBASE=0x0860)
[ 10.470996] iTCO_wdt: initialized. heartbeat=30 sec (nowayout=0)
[ 10.518552] leds_ss4200: no LED devices found
[ 10.634814] [drm] Initialized drm 1.1.0 20060810
[ 10.733824] [drm] radeon kernel modesetting enabled.
[ 10.734360] [drm] initializing kernel modesetting (RV380 0x1002:0x5B60 0x1002:0x0602).
[ 10.734398] [drm] register mmio base: 0xEFDE0000

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[10.734403] [drm] register mmio size: 65536
[10.734574] [drm] Generation 2 PCI interface, using max accessible memory
[10.734584] radeon 0000:01:00.0: VRAM: 32M 0x00000000EA000000 - 0x00000000EBFFFFFF
(32M used)
[10.734590] radeon 0000:01:00.0: GTT: 512M 0x00000000CA000000 - 0x00000000E9FFFFFF
[10.735418] [drm] Detected VRAM RAM=32M, BAR=32M
[10.735424] [drm] RAM width 64bits DDR
[10.735558] [TTM] Zone kernel: Available graphics memory: 432570 kiB
[10.735563] [TTM] Zone highmem: Available graphics memory: 1877710 kiB
[10.735567] [TTM] Initializing pool allocator
[10.735612] [drm] radeon: 32M of VRAM memory ready
[10.735617] [drm] radeon: 512M of GTT memory ready.
[10.735659] [drm] GART: num cpu pages 131072, num gpu pages 131072
[10.736739] [drm] radeon: ib pool ready.
[10.736910] [drm] radeon: 1 quad pipes, 1 Z pipes initialized.
[10.738398] [drm] PCIE GART of 512M enabled (table at 0x00000000EA040000).
[10.738430] radeon 0000:01:00.0: WB enabled
[10.738437] [drm] fence driver on ring 0 use gpu addr 0xca000000 and cpu addr 0xff958000
[10.738445] [drm] Supports vblank timestamp caching Rev 1 (10.10.2010).
[10.738448] [drm] Driver supports precise vblank timestamp query.
[10.738466] [drm] radeon: irq initialized.
[10.738819] [drm] Loading R300 Microcode
[10.757975] input: HDA Intel Front Mic as /devices/pci0000:00/0000:00:1b.0/sound/card0/input4
[10.758165] input: HDA Intel Rear Mic as /devices/pci0000:00/0000:00:1b.0/sound/card0/input5
[10.758352] input: HDA Intel Front Headphone as
/devices/pci0000:00/0000:00:1b.0/sound/card0/input6
[10.758509] input: HDA Intel Speaker CLFE as
/devices/pci0000:00/0000:00:1b.0/sound/card0/input7
[10.758672] input: HDA Intel Speaker Surround as
/devices/pci0000:00/0000:00:1b.0/sound/card0/input8
[10.758830] input: HDA Intel Speaker Front as
/devices/pci0000:00/0000:00:1b.0/sound/card0/input9
[10.853127] [drm] radeon: ring at 0x00000000CA001000
[10.853153] [drm] ring test succeeded in 1 usecs
[10.853422] [drm] ib test succeeded in 0 usecs
[10.853830] [drm] Radeon Display Connectors
[10.853835] [drm] Connector 0:
[10.853839] [drm] VGA
[10.853844] [drm] DDC: 0x60 0x60 0x60 0x60 0x60 0x60 0x60 0x60
[10.853848] [drm] Encoders:
[10.853851] [drm] CRT1: INTERNAL_DAC1
[10.853855] [drm] Connector 1:
[10.853860] [drm] DVI-I
[10.853863] [drm] HPD1
[10.853868] [drm] DDC: 0x64 0x64 0x64 0x64 0x64 0x64 0x64 0x64
[10.853872] [drm] Encoders:
[10.853875] [drm] CRT2: INTERNAL_DAC2
[10.853879] [drm] DFP1: INTERNAL_TMDS1
[10.853882] [drm] Connector 2:
[10.853885] [drm] S-video
[10.853889] [drm] Encoders:
[10.853892] [drm] TV1: INTERNAL_DAC2

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[ 10.879979] [drm] fb mappable at 0xEA0C0000
[ 10.879985] [drm] vram apper at 0xEA000000
[ 10.879989] [drm] size 786432
[ 10.880020] [drm] fb depth is 8
[ 10.880024] [drm] pitch is 1024
[ 10.880140] fbcon: radeondrmfb (fb0) is primary device
[ 10.932929] Console: switching to colour frame buffer device 128x48
[ 10.934307] fb0: radeondrmfb frame buffer device
[ 10.934312] drm: registered panic notifier
[ 10.934322] [drm] Initialized radeon 2.16.0 20080528 for 0000:01:00.0 on minor 0
[ 12.836488] Adding 7597052k swap on /dev/sda5. Priority:-1 extents:1 across:7597052k
[ 12.863726] EXT4-fs (sda1): re-mounted. Opts: (null)
[ 13.084557] EXT4-fs (sda1): re-mounted. Opts: errors=remount-ro
[ 13.315611] loop: module loaded
[ 14.893028] RPC: Registered named UNIX socket transport module.
[ 14.893037] RPC: Registered udp transport module.
[ 14.893043] RPC: Registered tcp transport module.
[ 14.893048] RPC: Registered tcp NFSv4.1 backchannel transport module.
[ 14.934863] FS-Cache: Loaded
[ 14.984241] NFS: Registering the id_resolver key type
[ 14.984280] FS-Cache: Netfs 'nfs' registered for caching
[ 14.991569] Installing knfsd (copyright (C) 1996 okir@monad.swb.de).
[ 17.254440] input: ACPI Virtual Keyboard Device as /devices/virtual/input/input10
[ 17.550212] Bluetooth: Core ver 2.16
[ 17.550570] NET: Registered protocol family 31
[ 17.550576] Bluetooth: HCI device and connection manager initialized
[ 17.550581] Bluetooth: HCI socket layer initialized
[ 17.550585] Bluetooth: L2CAP socket layer initialized
[ 17.550597] Bluetooth: SCO socket layer initialized
[ 17.584762] Bluetooth: RFCOMM TTY layer initialized
[ 17.584775] Bluetooth: RFCOMM socket layer initialized
[ 17.584781] Bluetooth: RFCOMM ver 1.11
[ 17.600733] Bluetooth: BNEP (Ethernet Emulation) ver 1.3
[ 17.600742] Bluetooth: BNEP filters: protocol multicast
[ 17.857816] lp: driver loaded but no devices found
[ 17.998950] ppdev: user-space parallel port driver
[ 19.353191] ADDRCONF(NETDEV_UP): eth0: link is not ready
[ 19.356176] e100 0000:03:08.0: eth0: NIC Link is Up 100 Mbps Full Duplex
[ 19.356417] ADDRCONF(NETDEV_CHANGE): eth0: link becomes ready
[ 29.568014] eth0: no IPv6 routers present
[ 1834.984787] udevd[17285]: starting version 175
[65961.318517] I-pipe: head domain RTAI registered.
[65961.318528] RTAI[hal]: compiled with gcc version 4.7.2 (Debian 4.7.2-5) .
[65961.318638] RTAI[hal]: mounted (IPIPE-NOTHEADS, IMMEDIATE (INTERNAL IRQs
DISPATCHED), ISOL_CPUS_MASK: 0).
[65961.318646] SYSINFO: CPUs 2, LINUX APIC IRQ 2312, TIM_FREQ 8311880, CLK_FREQ
2660131000, CPU_FREQ 2660131000
[65961.318653] RTAI_APIC_TIMER_IPI: RTAI DEFINED 2314, VECTOR 2314;
LINUX_APIC_TIMER_IPI: RTAI DEFINED 2312, VECTOR 2312
[65961.318661] TIMER NAME: lapic; VARIOUSLY FOUND APIC FREQs: 8311880, 8311880,
6999000
[65961.349767] RTAI[malloc]: global heap size = 2097152 bytes, <BSD>.

```

[65961.349834] , <uses LINUX SYSCALLs>, kstacks pool size = 524288 bytes.

[65961.349843] RTAI[sched]: hard timer type/freq = APIC/8311880(Hz); default timing: oneshot; linear timed lists.

[65961.349850] RTAI[sched]: Linux timer freq = 250 (Hz), TimeBase freq = 2660131000 hz.

[65961.349854] RTAI[sched]: timer setup = 999 ns, resched latency = 2943 ns.

[65961.378621] RTAI[math]: loaded.

[65961.506643] config string '0 out'

[65961.508842] PARPORT: ERROR: linux parport 0 not found

[65974.030511] RTAI[math]: unloaded.

[65974.033970] SCHED releases registered named ALIEN PEDV\$D

[65974.047062] RTAI[malloc]: unloaded.

[65974.144033] RTAI[sched]: unloaded (forced hard/soft/hard transitions: traps 0, syscalls 0).

[65974.147710] I-pipe: head domain RTAI unregistered.

[65974.147838] RTAI[hal]: unmounted.

[66000.174382] I-pipe: head domain RTAI registered.

[66000.174396] RTAI[hal]: compiled with gcc version 4.7.2 (Debian 4.7.2-5) .

[66000.174505] RTAI[hal]: mounted (IPIPE-NOTHREADS, IMMEDIATE (INTERNAL IRQs DISPATCHED), ISOL_CPUS_MASK: 0).

[66000.174513] SYSINFO: CPUs 2, LINUX APIC IRQ 2312, TIM_FREQ 8311880, CLK_FREQ 2660131000, CPU_FREQ 2660131000

[66000.174518] RTAI_APIC_TIMER_IPI: RTAI DEFINED 2314, VECTOR 2314;
LINUX_APIC_TIMER_IPI: RTAI DEFINED 2312, VECTOR 2312

[66000.174525] TIMER NAME: lapic; VARIOUSLY FOUND APIC FREQS: 8311880, 8311880, 8268250

[66000.188247] RTAI[malloc]: global heap size = 2097152 bytes, <BSD>.

[66000.188314] , <uses LINUX SYSCALLs>, kstacks pool size = 524288 bytes.

[66000.188324] RTAI[sched]: hard timer type/freq = APIC/8311880(Hz); default timing: oneshot; linear timed lists.

[66000.188331] RTAI[sched]: Linux timer freq = 250 (Hz), TimeBase freq = 2660131000 hz.

[66000.188336] RTAI[sched]: timer setup = 999 ns, resched latency = 2943 ns.

[66000.202604] RTAI[math]: loaded.

[66000.366295] config string '0 out'

[66000.368793] PARPORT: ERROR: linux parport 0 not found

[66002.983706] RTAI[math]: unloaded.

[66002.987555] SCHED releases registered named ALIEN PEDV\$D

[66002.991659] RTAI[malloc]: unloaded.

[66003.088030] RTAI[sched]: unloaded (forced hard/soft/hard transitions: traps 0, syscalls 0).

[66003.091544] I-pipe: head domain RTAI unregistered.

[66003.091680] RTAI[hal]: unmounted.

[66028.243745] I-pipe: head domain RTAI registered.

[66028.243757] RTAI[hal]: compiled with gcc version 4.7.2 (Debian 4.7.2-5) .

[66028.243872] RTAI[hal]: mounted (IPIPE-NOTHREADS, IMMEDIATE (INTERNAL IRQs DISPATCHED), ISOL_CPUS_MASK: 0).

[66028.243879] SYSINFO: CPUs 2, LINUX APIC IRQ 2312, TIM_FREQ 8311880, CLK_FREQ 2660131000, CPU_FREQ 2660131000

[66028.243884] RTAI_APIC_TIMER_IPI: RTAI DEFINED 2314, VECTOR 2314;
LINUX_APIC_TIMER_IPI: RTAI DEFINED 2312, VECTOR 2312

[66028.243890] TIMER NAME: lapic; VARIOUSLY FOUND APIC FREQS: 8311880, 8311880, 8273000

[66028.256807] RTAI[malloc]: global heap size = 2097152 bytes, <BSD>.

[66028.256872] , <uses LINUX SYSCALLs>, kstacks pool size = 524288 bytes.

[66028.256882] RTAI[sched]: hard timer type/freq = APIC/8311880(Hz); default timing: oneshot;

linear timed lists.

[66028.256889] RTAI[sched]: Linux timer freq = 250 (Hz), TimeBase freq = 2660131000 hz.

[66028.256894] RTAI[sched]: timer setup = 999 ns, resched latency = 2943 ns.

[66028.266012] RTAI[math]: loaded.

[66028.431643] config string '0 out'

[66028.433869] PARPORT: ERROR: linux parport 0 not found

[66030.968683] RTAI[math]: unloaded.

[66030.972619] SCHED releases registered named ALIEN PEDV\$D

[66030.976629] RTAI[malloc]: unloaded.

[66031.076062] RTAI[sched]: unloaded (forced hard/soft/hard transitions: traps 0, syscalls 0).

[66031.079818] I-pipe: head domain RTAI unregistered.

[66031.079946] RTAI[hal]: unmounted.

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/msgs

INIVAR=inivar

HALCMD=halcmd

LINUXCNC_EMCSH=/usr/bin/wish8.5

LINUXCNC - 2.7.8

Machine configuration directory is '/home/neil/linuxcnc/configs/purple1'

Machine configuration file is 'purple1.ini'

INIFILE=/home/neil/linuxcnc/configs/purple1/purple1.ini

PARAMETER_FILE=linuxcnc.var

TASK=milltask

HALUI=

DISPLAY=axis

Starting LinuxCNC...

Starting LinuxCNC server program: linuxcncsvr

Loading Real Time OS, RTAPI, and HAL_LIB modules

Starting LinuxCNC IO program: io

Found file(REL): ./purple1.hal

Shutting down and cleaning up LinuxCNC...

Killing task linuxcncsvr, PID=23202

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

./purple1.hal:6: exit value: 1

./purple1.hal:6: insmod for hal_parport failed, returned -1

See the output of 'dmesg' for more information.

23202

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 - 000000000000a0000 (usable)
[ 0.000000] BIOS-e820: 000000000000f0000 - 00000000000100000 (reserved)
[ 0.000000] BIOS-e820: 00000000000100000 - 000000000e7e88c00 (usable)
[ 0.000000] BIOS-e820: 000000000e7e88c00 - 000000000e7e8ac00 (ACPI NVS)
[ 0.000000] BIOS-e820: 000000000e7e8ac00 - 000000000e7e8cc00 (ACPI data)
[ 0.000000] BIOS-e820: 000000000e7e8cc00 - 000000000e8000000 (reserved)
[ 0.000000] BIOS-e820: 000000000f0000000 - 000000000f4000000 (reserved)
[ 0.000000] BIOS-e820: 000000000fec00000 - 000000000fed00400 (reserved)
[ 0.000000] BIOS-e820: 000000000fed20000 - 000000000feda0000 (reserved)
[ 0.000000] BIOS-e820: 000000000fee00000 - 000000000fef00000 (reserved)
[ 0.000000] BIOS-e820: 000000000ffb00000 - 00000000100000000 (reserved)
[ 0.000000] Notice: NX (Execute Disable) protection cannot be enabled: non-PAE kernel!
[ 0.000000] SMBIOS 2.3 present.
[ 0.000000] DMI: Dell Inc.          Dell DM051          /0HJ054, BIOS A05 03/31/2006
[ 0.000000] e820 update range: 0000000000000000 - 0000000000010000 (usable) ==> (reserved)
[ 0.000000] e820 remove range: 000000000000a0000 - 00000000000100000 (usable)
[ 0.000000] last_pfn = 0xe7e88 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-EFFFF uncachable
[ 0.000000]  F0000-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 0C0000000 mask FE0000000 write-back
[ 0.000000]  3 base 0E0000000 mask FF8000000 write-back
[ 0.000000]  4 base 0E7F00000 mask FFFF00000 uncachable
[ 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] found SMP MP-table at [c00fe710] fe710
[ 0.000000] initial memory mapped : 0 - 01800000
[ 0.000000] Base memory trampoline at [c009b000] 9b000 size 16384
[ 0.000000] init_memory_mapping: 0000000000000000-000000000377fe000
[ 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: 36416000 - 37203000
```

```

[ 0.000000] ACPI: RSDP 000feb00 00024 (v02 DELL )
[ 0.000000] ACPI: XSDT 000fd267 0005C (v01 DELL  DM051  00000007 ASL 00000061)
[ 0.000000] ACPI: FACP 000fd35f 000F4 (v03 DELL  DM051  00000007 ASL 00000061)
[ 0.000000] ACPI: DSDT fffc755f 02D0E (v01  DELL  dt_ex 00001000 INTL 20050309)
[ 0.000000] ACPI: FACS e7e88c00 00040
[ 0.000000] ACPI: SSDT fffc38e 000AC (v01  DELL  st_ex 00001000 INTL 20050309)
[ 0.000000] ACPI: APIC 000fd453 00072 (v01 DELL  DM051  00000007 ASL 00000061)
[ 0.000000] ACPI: BOOT 000fd4c5 00028 (v01 DELL  DM051  00000007 ASL 00000061)
[ 0.000000] ACPI: ASF! 000fd4ed 00067 (v16 DELL  DM051  00000007 ASL 00000061)
[ 0.000000] ACPI: MCFG 000fd554 0003E (v01 DELL  DM051  00000007 ASL 00000061)
[ 0.000000] ACPI: HPET 000fd592 00038 (v01 DELL  DM051  00000007 ASL 00000061)
[ 0.000000] ACPI: Local APIC address 0xfe00000
[ 0.000000] 2822MB 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 -> 0x000e7e88
[ 0.000000] Movable zone start PFN for each node
[ 0.000000] Early memory PFN ranges
[ 0.000000]   0: 0x00000010 -> 0x000000a0
[ 0.000000]   0: 0x00000100 -> 0x000e7e88
[ 0.000000] On node 0 totalpages: 949784
[ 0.000000] free_area_init_node: node 0, pgdat c1498a00, node_mem_map f4716200
[ 0.000000] DMA zone: 32 pages used for memmap
[ 0.000000] DMA zone: 0 pages reserved
[ 0.000000] DMA zone: 3952 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: 5646 pages used for memmap
[ 0.000000] HighMem zone: 716924 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[0x05] disabled)
[ 0.000000] ACPI: LAPIC (acpi_id[0x04] lapic_id[0x07] disabled)
[ 0.000000] ACPI: LAPIC_NMI (acpi_id[0xff] high level lint[0x1])
[ 0.000000] ACPI: IOAPIC (id[0x08] address[0xfec00000] gsi_base[0])
[ 0.000000] IOAPIC[0]: apic_id 8, version 32, 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 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: 0x8086a201 base: 0xfed00000
[ 0.000000] SMP: Allowing 4 CPUs, 2 hotplug CPUs
[ 0.000000] nr_irqs_gsi: 40

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[ 0.000000] PM: Registered nosave memory: 000000000000a0000 - 000000000000f0000
[ 0.000000] PM: Registered nosave memory: 000000000000f0000 - 00000000000100000
[ 0.000000] Allocating PCI resources starting at f4000000 (gap: f4000000:ac000000)
[ 0.000000] setup_percpu: NR_CPUS:8 nr_cpumask_bits:8 nr_cpu_ids:4 nr_node_ids:1
[ 0.000000] PERCPU: Embedded 17 pages/cpu @f77a7000 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
[ 0.000000] Built 1 zonelists in Zone order, mobility grouping on. Total pages: 942362
[ 0.000000] Kernel command line: BOOT_IMAGE=/boot/vmlinuz-3.4-9-rtai-686-pae
root=UUID=1dd4629d-c788-4b9f-8212-ce81ac79cc64 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 7599040 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:000e7e88)
[ 0.000000] Memory: 3740744k/3799584k available (3495k kernel code, 58392k reserved, 1237k
data, 416k init, 2890280k 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:712 16
[ 0.000000] CPU 0 irqstacks, hard=f3808000 soft=f380a000
[ 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 2660.131 MHz processor.
[ 0.004004] Calibrating delay loop (skipped), value calculated using timer frequency.. 5320.26
BogoMIPS (lpj=10640524)
[ 0.004012] pid_max: default: 32768 minimum: 301
[ 0.008047] Security Framework initialized
[ 0.008055] AppArmor: AppArmor disabled by boot time parameter
[ 0.008090] Mount-cache hash table entries: 512
[ 0.008434] Initializing cgroup subsys cpuacct
[ 0.008439] Initializing cgroup subsys memory
[ 0.008457] Initializing cgroup subsys devices
[ 0.008461] Initializing cgroup subsys freezer
[ 0.008465] Initializing cgroup subsys net_cls
[ 0.008469] Initializing cgroup subsys blkio
[ 0.008484] Initializing cgroup subsys perf_event

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[ 0.008541] CPU: Physical Processor ID: 0
[ 0.008545] CPU: Processor Core ID: 0
[ 0.008550] mce: CPU supports 4 MCE banks
[ 0.008564] CPU0: Thermal monitoring enabled (TM2)
[ 0.008660] ACPI: Core revision 20120320
[ 0.079624] Enabling APIC mode: Flat. Using 1 I/O APICs
[ 0.080004] ..TIMER: vector=0x30 apic1=0 pin1=2 apic2=-1 pin2=-1
[ 0.119756] CPU0: Intel(R) Pentium(R) D CPU 2.66GHz stepping 07
[ 0.120006] Performance Events: Netburst events, Netburst P4/Xeon PMU driver.
[ 0.120006] ... version:          0
[ 0.120006] ... bit width:           40
[ 0.120006] ... generic registers:    18
[ 0.120006] ... value mask:          000000ffffffff
[ 0.120006] ... max period:           0000007fffffffff
[ 0.120006] ... fixed-purpose events:  0
[ 0.120006] ... event mask:           000000000003ffff
[ 0.128041] NMI watchdog: enabled, takes one hw-pmu counter.
[ 0.140048] CPU 1 irqstacks, hard=f389a000 soft=f389c000
[ 0.140053] Booting Node  0, Processors  #1
[ 0.008000] Initializing CPU#1
[ 0.152050] NMI watchdog: enabled, takes one hw-pmu counter.
[ 0.152112] Brought up 2 CPUs
[ 0.152120] Total of 2 processors activated (10640.52 BogoMIPS).
[ 0.153214] devtmpfs: initialized
[ 0.153214] PM: Registering ACPI NVS region [mem 0xe7e88c00-0xe7e8abff] (8192 bytes)
[ 0.153214] dummy:
[ 0.153214] NET: Registered protocol family 16
[ 0.153214] ACPI: bus type pci registered
[ 0.153214] PCI: MMCONFIG for domain 0000 [bus 00-3f] at [mem 0xf0000000-0xf3ffffff]
(base 0xf0000000)
[ 0.153214] PCI: MMCONFIG at [mem 0xf0000000-0xf3ffffff] reserved in E820
[ 0.153214] PCI: Using MMCONFIG for extended config space
[ 0.153214] PCI: Using configuration type 1 for base access
[ 0.156977] bio: create slab <bio-0> at 0
[ 0.156977] ACPI: Added _OSI(Module Device)
[ 0.156977] ACPI: Added _OSI(Processor Device)
[ 0.156977] ACPI: Added _OSI(3.0 _SCP Extensions)
[ 0.156977] ACPI: Added _OSI(Processor Aggregator Device)
[ 0.157878] ACPI: EC: Look up EC in DSDT
[ 0.179868] [Firmware Bug]: ACPI: BIOS _OSI(Linux) query ignored
[ 0.191911] ACPI: Interpreter enabled
[ 0.191938] ACPI: (supports S0 S1 S3 S4 S5)
[ 0.192036] ACPI: Using IOAPIC for interrupt routing
[ 0.259137] ACPI: No dock devices found.
[ 0.259151] PCI: Ignoring host bridge windows from ACPI; if necessary, use "pci=use_crs" and
report a bug
[ 0.262964] ACPI: PCI Root Bridge [PCI0] (domain 0000 [bus 00-ff])
[ 0.270661] pci_root PNP0A03:00: host bridge window [io 0x0000-0x0cf7] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [io 0xd00-0xffff] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [mem 0x000a0000-0x000bffff] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [mem 0x000c0000-0x000effff] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [mem 0x000f0000-0x000fffff] (ignored)

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[ 0.270661] pci_root PNP0A03:00: host bridge window [mem 0xe7f00000-0xffffffff] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [mem 0xf4000000-0xfebfffff] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [mem 0xffa80800-0xffa80bff] (ignored)
[ 0.270661] pci_root PNP0A03:00: host bridge window [mem 0xffa7c000-0xffa7ffff] (ignored)
[ 0.270661] PCI: root bus 00: using default resources
[ 0.270661] PCI host bridge to bus 0000:00
[ 0.270661] pci_bus 0000:00: root bus resource [io 0x0000-0xffff]
[ 0.270661] pci_bus 0000:00: root bus resource [mem 0x00000000-0xffffffff]
[ 0.270661] pci 0000:00:00.0: [8086:2770] type 00 class 0x060000
[ 0.270661] pci 0000:00:01.0: [8086:2771] type 01 class 0x060400
[ 0.270661] pci 0000:00:01.0: PME# supported from D0 D3hot D3cold
[ 0.270661] pci 0000:00:1b.0: [8086:27d8] type 00 class 0x040300
[ 0.270661] pci 0000:00:1b.0: reg 10: [mem 0xeffc000-0xffffffff 64bit]
[ 0.270661] pci 0000:00:1b.0: PME# supported from D0 D3hot D3cold
[ 0.270661] pci 0000:00:1c.0: [8086:27d0] type 01 class 0x060400
[ 0.270661] pci 0000:00:1c.0: PME# supported from D0 D3hot D3cold
[ 0.270661] pci 0000:00:1d.0: [8086:27c8] type 00 class 0x0c0300
[ 0.270661] pci 0000:00:1d.0: reg 20: [io 0xff80-0xff9f]
[ 0.270661] pci 0000:00:1d.1: [8086:27c9] type 00 class 0x0c0300
[ 0.270661] pci 0000:00:1d.1: reg 20: [io 0xff60-0xff7f]
[ 0.270661] pci 0000:00:1d.2: [8086:27ca] type 00 class 0x0c0300
[ 0.270661] pci 0000:00:1d.2: reg 20: [io 0xff40-0xff5f]
[ 0.270661] pci 0000:00:1d.3: [8086:27cb] type 00 class 0x0c0300
[ 0.270661] pci 0000:00:1d.3: reg 20: [io 0xff20-0xff3f]
[ 0.270661] pci 0000:00:1d.7: [8086:27cc] type 00 class 0x0c0320
[ 0.270661] pci 0000:00:1d.7: reg 10: [mem 0xffa80800-0xffa80bff]
[ 0.272079] pci 0000:00:1d.7: PME# supported from D0 D3hot D3cold
[ 0.272116] pci 0000:00:1e.0: [8086:244e] type 01 class 0x060401
[ 0.272211] pci 0000:00:1f.0: [8086:27b8] type 00 class 0x060100
[ 0.272332] pci 0000:00:1f.0: ICH7 LPC Generic IO decode 1 PIO at 0c00 (mask 007f)
[ 0.272339] pci 0000:00:1f.0: ICH7 LPC Generic IO decode 2 PIO at 00e0 (mask 0007)
[ 0.272392] pci 0000:00:1f.1: [8086:27df] type 00 class 0x01018a
[ 0.272414] pci 0000:00:1f.1: reg 10: [io 0x01f0-0x01ff]
[ 0.272430] pci 0000:00:1f.1: reg 14: [io 0x03f4-0x03ff]
[ 0.272446] pci 0000:00:1f.1: reg 18: [io 0x0170-0x017f]
[ 0.272462] pci 0000:00:1f.1: reg 1c: [io 0x0374-0x037f]
[ 0.272478] pci 0000:00:1f.1: reg 20: [io 0xffa0-0xffaf]
[ 0.272534] pci 0000:00:1f.2: [8086:27c0] type 00 class 0x01018f
[ 0.272559] pci 0000:00:1f.2: reg 10: [io 0xfe00-0xfe07]
[ 0.272574] pci 0000:00:1f.2: reg 14: [io 0xfe10-0xfe13]
[ 0.272589] pci 0000:00:1f.2: reg 18: [io 0xfe20-0xfe27]
[ 0.272604] pci 0000:00:1f.2: reg 1c: [io 0xfe30-0xfe33]
[ 0.272619] pci 0000:00:1f.2: reg 20: [io 0xfea0-0xfeaf]
[ 0.272634] pci 0000:00:1f.2: reg 24: [mem 0x00000000-0x0000003f]
[ 0.272674] pci 0000:00:1f.2: PME# supported from D3hot
[ 0.272702] pci 0000:00:1f.3: [8086:27da] type 00 class 0x0c0500
[ 0.272779] pci 0000:00:1f.3: reg 20: [io 0xece0-0xecff]
[ 0.272901] pci 0000:01:00.0: [1002:5b60] type 00 class 0x030000
[ 0.272927] pci 0000:01:00.0: reg 10: [mem 0xea000000-0xebffffff 64bit pref]
[ 0.272948] pci 0000:01:00.0: reg 18: [mem 0xefde0000-0xefdeffff 64bit]
[ 0.272963] pci 0000:01:00.0: reg 20: [io 0xdc00-0xdcff]
[ 0.272988] pci 0000:01:00.0: reg 30: [mem 0xefe00000-0xefe1ffff pref]

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[ 0.273022] pci 0000:01:00.0: supports D1 D2
[ 0.273062] pci 0000:01:00.1: [1002:5b70] type 00 class 0x038000
[ 0.273088] pci 0000:01:00.1: reg 10: [mem 0xefdf0000-0xefdfffff 64bit]
[ 0.273168] pci 0000:01:00.1: supports D1 D2
[ 0.273195] pci 0000:01:00.0: disabling ASPM on pre-1.1 PCIe device. You can enable it with
'pcie_aspm=force'
[ 0.273213] pci 0000:00:01.0: PCI bridge to [bus 01-01]
[ 0.273221] pci 0000:00:01.0: bridge window [io 0xd000-0xdfff]
[ 0.273228] pci 0000:00:01.0: bridge window [mem 0xefd00000-0xefefffff]
[ 0.273237] pci 0000:00:01.0: bridge window [mem 0xea000000-0xebffffff 64bit pref]
[ 0.273337] pci 0000:02:00.0: [1002:4d53] type 00 class 0x048000
[ 0.273372] pci 0000:02:00.0: reg 10: [mem 0xefc00000-0xefcfffff]
[ 0.273417] pci 0000:02:00.0: reg 18: [mem 0xec000000-0xedffffff pref]
[ 0.273594] pci 0000:02:00.0: disabling ASPM on pre-1.1 PCIe device. You can enable it with
'pcie_aspm=force'
[ 0.273614] pci 0000:00:1c.0: PCI bridge to [bus 02-02]
[ 0.273625] pci 0000:00:1c.0: bridge window [mem 0xefc00000-0xefcfffff]
[ 0.273636] pci 0000:00:1c.0: bridge window [mem 0xec000000-0xedffffff 64bit pref]
[ 0.273709] pci 0000:03:08.0: [8086:27dc] type 00 class 0x020000
[ 0.273738] pci 0000:03:08.0: reg 10: [mem 0xefbff000-0xefbfffff]
[ 0.273754] pci 0000:03:08.0: reg 14: [io 0xcc0-0xccff]
[ 0.273844] pci 0000:03:08.0: supports D1 D2
[ 0.273848] pci 0000:03:08.0: PME# supported from D0 D1 D2 D3hot D3cold
[ 0.273907] pci 0000:00:1e.0: PCI bridge to [bus 03-03] (subtractive decode)
[ 0.273915] pci 0000:00:1e.0: bridge window [io 0xc000-0xcfff]
[ 0.273923] pci 0000:00:1e.0: bridge window [mem 0xefb00000-0xefbfffff]
[ 0.273934] pci 0000:00:1e.0: bridge window [io 0x0000-0xffff] (subtractive decode)
[ 0.273940] pci 0000:00:1e.0: bridge window [mem 0x00000000-0xffffffff] (subtractive decode)
[ 0.273964] pci_bus 0000:00: on NUMA node 0
[ 0.273972] ACPI: PCI Interrupt Routing Table [_SB_.PCI0._PRT]
[ 0.275113] ACPI: PCI Interrupt Routing Table [_SB_.PCI0.PCI4._PRT]
[ 0.275882] ACPI: PCI Interrupt Routing Table [_SB_.PCI0.PCI2._PRT]
[ 0.276362] ACPI: PCI Interrupt Routing Table [_SB_.PCI0.PCI1._PRT]
[ 0.276842] pci0000:00: Unable to request _OSC control (_OSC support mask: 0x0f)
[ 0.885664] ACPI: PCI Interrupt Link [LNKA] (IRQs 3 4 5 6 7 9 10 *11 12 15)
[ 0.886195] ACPI: PCI Interrupt Link [LNKB] (IRQs 3 4 5 6 7 *9 10 11 12 15)
[ 0.886687] ACPI: PCI Interrupt Link [LNKC] (IRQs 3 4 *5 6 7 9 10 11 12 15)
[ 0.887172] ACPI: PCI Interrupt Link [LNKD] (IRQs 3 4 5 6 7 9 10 11 12 15) *0, disabled.
[ 0.887705] ACPI: PCI Interrupt Link [LNKE] (IRQs *3 4 5 6 7 9 10 11 12 15)
[ 0.888213] ACPI: PCI Interrupt Link [LNKF] (IRQs 3 4 5 6 7 9 *10 11 12 15)
[ 0.888718] ACPI: PCI Interrupt Link [LNKG] (IRQs 3 4 5 6 7 *9 10 11 12 15)
[ 0.889225] ACPI: PCI Interrupt Link [LNKH] (IRQs 3 *4 5 6 7 9 10 11 12 15)
[ 0.889413] vgaarb: device added:
PCI:0000:01:00.0,decodes=io+mem,owns=io+mem,locks=none
[ 0.889413] vgaarb: loaded
[ 0.889413] vgaarb: bridge control possible 0000:01:00.0
[ 0.889413] PCI: Using ACPI for IRQ routing
[ 0.890500] PCI: pci_cache_line_size set to 64 bytes
[ 0.890634] reserve RAM buffer: 00000000e7e88c00 - 00000000e7ffffff
[ 0.892293] hpet0: at MMIO 0xfed00000, IRQs 2, 8, 0
[ 0.892307] hpet0: 3 comparators, 64-bit 14.318180 MHz counter
[ 0.894341] Switching to clocksource hpet

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[0.894469] pnp: PnP ACPI init
[0.894507] ACPI: bus type pnp registered
[0.896139] pnp 00:00: [bus 00-ff]
[0.896146] pnp 00:00: [io 0x0cf8-0x0cff]
[0.896152] pnp 00:00: [io 0x0000-0x0cf7 window]
[0.896157] pnp 00:00: [io 0x0d00-0xffff window]
[0.896162] pnp 00:00: [mem 0x000a0000-0x000bffff window]
[0.896167] pnp 00:00: [mem 0x000c0000-0x000effff window]
[0.896172] pnp 00:00: [mem 0x000f0000-0x000fffff window]
[0.896178] pnp 00:00: [mem 0xe7f00000-0xffffffff window]
[0.896183] pnp 00:00: [mem 0xf4000000-0xfebfffff window]
[0.896188] pnp 00:00: [mem 0xffa80800-0xffa80bff window]
[0.896193] pnp 00:00: [mem 0xffa7c000-0xffa7ffff window]
[0.896268] pnp 00:00: Plug and Play ACPI device, IDs PNP0a03 (active)
[0.899234] pnp 00:01: [io 0x0060]
[0.899240] pnp 00:01: [io 0x0064]
[0.899244] pnp 00:01: [io 0x0062-0x0063]
[0.899249] pnp 00:01: [io 0x0065-0x006f]
[0.899253] pnp 00:01: [io 0x00e0-0x00ef]
[0.899258] pnp 00:01: [io 0x0800-0x085f]
[0.899263] pnp 00:01: [io 0x0c00-0x0c7f]
[0.899267] pnp 00:01: [io 0x0860-0x08ff]
[0.899370] system 00:01: [io 0x0800-0x085f] has been reserved
[0.899377] system 00:01: [io 0x0c00-0x0c7f] has been reserved
[0.899382] system 00:01: [io 0x0860-0x08ff] has been reserved
[0.899389] system 00:01: Plug and Play ACPI device, IDs PNP0c01 (active)
[0.899623] pnp 00:02: [io 0x0080-0x009f]
[0.899629] pnp 00:02: [io 0x0000-0x001f]
[0.899634] pnp 00:02: [io 0x00c0-0x00df]
[0.899639] pnp 00:02: [dma 4]
[0.899694] pnp 00:02: Plug and Play ACPI device, IDs PNP0200 (active)
[0.899868] pnp 00:03: [io 0x00f0-0x00ff]
[0.899885] pnp 00:03: [irq 13]
[0.899944] pnp 00:03: Plug and Play ACPI device, IDs PNP0c04 (active)
[0.900143] pnp 00:04: [io 0x0061]
[0.900204] pnp 00:04: Plug and Play ACPI device, IDs PNP0800 (active)
[0.900374] pnp 00:05: [io 0x0070-0x007f]
[0.900385] pnp 00:05: [irq 8]
[0.900442] pnp 00:05: Plug and Play ACPI device, IDs PNP0b00 (active)
[0.920160] pnp 00:06: [mem 0x00000000-0x0009ffff]
[0.920167] pnp 00:06: [mem 0x00100000-0x00ffffff]
[0.920172] pnp 00:06: [mem 0x01000000-0xe7e88bff]
[0.920177] pnp 00:06: [mem 0x000f0000-0x000fffff]
[0.920182] pnp 00:06: [mem 0x000c0000-0x000cffff]
[0.920186] pnp 00:06: [mem 0xfec00000-0xfecfffff]
[0.920191] pnp 00:06: [mem 0xfe000000-0xfeffffff]
[0.920195] pnp 00:06: [mem 0xfed20000-0xfed9ffff]
[0.920200] pnp 00:06: [mem 0xffb00000-0xffbfffff]
[0.920205] pnp 00:06: [mem 0xffc00000-0xffffffff]
[0.920320] system 00:06: [mem 0x00000000-0x0009ffff] could not be reserved
[0.920328] system 00:06: [mem 0x00100000-0x00ffffff] could not be reserved
[0.920334] system 00:06: [mem 0x01000000-0xe7e88bff] could not be reserved

[0.920341] system 00:06: [mem 0x000f0000-0x000fffff] could not be reserved
[0.920347] system 00:06: [mem 0x000c0000-0x000cffff] could not be reserved
[0.920354] system 00:06: [mem 0xfec00000-0xfecfffff] could not be reserved
[0.920360] system 00:06: [mem 0xfec00000-0xfecfffff] has been reserved
[0.920366] system 00:06: [mem 0xfed20000-0xfed9ffff] has been reserved
[0.920372] system 00:06: [mem 0xffb00000-0xffbfffff] has been reserved
[0.920377] system 00:06: [mem 0xffc00000-0xffffffff] has been reserved
[0.920384] system 00:06: Plug and Play ACPI device, IDs PNP0c01 (active)
[0.923265] pnp 00:07: [mem 0xf0000000-0xf3fffff]
[0.923271] pnp 00:07: [mem 0xfeda0000-0xfedacfff]
[0.923276] pnp 00:07: [io 0x0100-0x01fe]
[0.923280] pnp 00:07: [io 0x0200-0x0277]
[0.923284] pnp 00:07: [io 0x0280-0x02e7]
[0.923289] pnp 00:07: [io 0x02e8-0x02ef]
[0.923293] pnp 00:07: [io 0x02f0-0x02f7]
[0.923298] pnp 00:07: [io 0x02f8-0x02ff]
[0.923302] pnp 00:07: [io 0x0300-0x0377]
[0.923306] pnp 00:07: [io 0x0380-0x03bb]
[0.923311] pnp 00:07: [io 0x03c0-0x03e7]
[0.923315] pnp 00:07: [io 0x03f6-0x03f7]
[0.923326] pnp 00:07: [io 0x0400-0x04cf]
[0.923330] pnp 00:07: [io 0x04d2-0x057f]
[0.923335] pnp 00:07: [io 0x0580-0x0677]
[0.923339] pnp 00:07: [io 0x0680-0x0777]
[0.923344] pnp 00:07: [io 0x0780-0x07bb]
[0.923348] pnp 00:07: [io 0x07c0-0x07ff]
[0.923353] pnp 00:07: [io 0x08e0-0x08ff]
[0.923357] pnp 00:07: [io 0x0900-0x09fe]
[0.923361] pnp 00:07: [io 0x0a00-0x0afe]
[0.923366] pnp 00:07: [io 0x0b00-0x0bfe]
[0.923370] pnp 00:07: [io 0x0c80-0x0caf]
[0.923375] pnp 00:07: [io 0x0cb0-0x0cbf]
[0.923379] pnp 00:07: [io 0x0cc0-0x0cf7]
[0.923383] pnp 00:07: [io 0x0d00-0x0dfe]
[0.923388] pnp 00:07: [io 0x0e00-0x0efe]
[0.923392] pnp 00:07: [io 0x0f00-0x0ffe]
[0.923397] pnp 00:07: [io 0x2000-0x20fe]
[0.923401] pnp 00:07: [io 0x2100-0x21fe]
[0.923406] pnp 00:07: [io 0x2200-0x22fe]
[0.923410] pnp 00:07: [io 0x2300-0x23fe]
[0.923415] pnp 00:07: [io 0x2400-0x24fe]
[0.923419] pnp 00:07: [io 0x2500-0x25fe]
[0.923423] pnp 00:07: [io 0x2600-0x26fe]
[0.923428] pnp 00:07: [io 0x2700-0x27fe]
[0.923432] pnp 00:07: [io 0x2800-0x28fe]
[0.923437] pnp 00:07: [io 0x2900-0x29fe]
[0.923441] pnp 00:07: [io 0x2a00-0x2afe]
[0.923446] pnp 00:07: [io 0x2b00-0x2bfe]
[0.923450] pnp 00:07: [io 0x2c00-0x2cfe]
[0.923454] pnp 00:07: [io 0x2d00-0x2dfe]
[0.923459] pnp 00:07: [io 0x2e00-0x2efe]
[0.923463] pnp 00:07: [io 0x2f00-0x2ffe]

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[ 0.923468] pnp 00:07: [io 0x5000-0x50fe]
[ 0.923472] pnp 00:07: [io 0x5100-0x51fe]
[ 0.923476] pnp 00:07: [io 0x5200-0x52fe]
[ 0.923481] pnp 00:07: [io 0x5300-0x53fe]
[ 0.923485] pnp 00:07: [io 0x5400-0x54fe]
[ 0.923490] pnp 00:07: [io 0x5500-0x55fe]
[ 0.923494] pnp 00:07: [io 0x5600-0x56fe]
[ 0.923498] pnp 00:07: [io 0x5700-0x57fe]
[ 0.923503] pnp 00:07: [io 0x5800-0x58fe]
[ 0.923507] pnp 00:07: [io 0x5900-0x59fe]
[ 0.923512] pnp 00:07: [io 0x5a00-0x5afe]
[ 0.923516] pnp 00:07: [io 0x5b00-0x5bfe]
[ 0.923521] pnp 00:07: [io 0x5c00-0x5cfe]
[ 0.923525] pnp 00:07: [io 0x5d00-0x5dfe]
[ 0.923529] pnp 00:07: [io 0x5e00-0x5efe]
[ 0.923534] pnp 00:07: [io 0x5f00-0x5ffe]
[ 0.923538] pnp 00:07: [io 0x6000-0x60fe]
[ 0.923543] pnp 00:07: [io 0x6100-0x61fe]
[ 0.923547] pnp 00:07: [io 0x6200-0x62fe]
[ 0.923551] pnp 00:07: [io 0x6300-0x63fe]
[ 0.923556] pnp 00:07: [io 0x6400-0x64fe]
[ 0.923560] pnp 00:07: [io 0x6500-0x65fe]
[ 0.923565] pnp 00:07: [io 0x6600-0x66fe]
[ 0.923569] pnp 00:07: [io 0x6700-0x67fe]
[ 0.923574] pnp 00:07: [io 0x6800-0x68fe]
[ 0.923578] pnp 00:07: [io 0x6900-0x69fe]
[ 0.923582] pnp 00:07: [io 0x6a00-0x6afe]
[ 0.923589] pnp 00:07: [io 0x6b00-0x6bfe]
[ 0.923593] pnp 00:07: [io 0x6c00-0x6cfe]
[ 0.923598] pnp 00:07: [io 0x6d00-0x6dfe]
[ 0.923602] pnp 00:07: [io 0x6e00-0x6efe]
[ 0.923606] pnp 00:07: [io 0x6f00-0x6ffe]
[ 0.923611] pnp 00:07: [io 0xa000-0xa0fe]
[ 0.923615] pnp 00:07: [io 0xa100-0xa1fe]
[ 0.923620] pnp 00:07: [io 0xa200-0xa2fe]
[ 0.923624] pnp 00:07: [io 0xa300-0xa3fe]
[ 0.923629] pnp 00:07: [io 0xa400-0xa4fe]
[ 0.923633] pnp 00:07: [io 0xa500-0xa5fe]
[ 0.923637] pnp 00:07: [io 0xa600-0xa6fe]
[ 0.923642] pnp 00:07: [io 0xa700-0xa7fe]
[ 0.923646] pnp 00:07: [io 0xa800-0xa8fe]
[ 0.923651] pnp 00:07: [io 0xa900-0xa9fe]
[ 0.923655] pnp 00:07: [io 0xaa00-0xaafe]
[ 0.923659] pnp 00:07: [io 0xab00-0xabfe]
[ 0.923664] pnp 00:07: [io 0xac00-0xacfe]
[ 0.923668] pnp 00:07: [io 0xad00-0xadfe]
[ 0.923673] pnp 00:07: [io 0xae00-0xae0e]
[ 0.923677] pnp 00:07: [io 0xaf00-0xaf0e]
[ 0.924161] system 00:07: [io 0x0100-0x01fe] could not be reserved
[ 0.924168] system 00:07: [io 0x0200-0x0277] has been reserved
[ 0.924174] system 00:07: [io 0x0280-0x02ef] has been reserved
[ 0.924179] system 00:07: [io 0x02e8-0x02ef] has been reserved
```

[0.924185] system 00:07: [io 0x02f0-0x02f7] has been reserved
[0.924190] system 00:07: [io 0x02f8-0x02ff] has been reserved
[0.924196] system 00:07: [io 0x0300-0x0377] could not be reserved
[0.924202] system 00:07: [io 0x0380-0x03bb] has been reserved
[0.924208] system 00:07: [io 0x03c0-0x03e7] could not be reserved
[0.924214] system 00:07: [io 0x03f6-0x03f7] could not be reserved
[0.924219] system 00:07: [io 0x0400-0x04cf] has been reserved
[0.924225] system 00:07: [io 0x04d2-0x057f] has been reserved
[0.924230] system 00:07: [io 0x0580-0x0677] has been reserved
[0.924236] system 00:07: [io 0x0680-0x0777] has been reserved
[0.924241] system 00:07: [io 0x0780-0x07bb] has been reserved
[0.924247] system 00:07: [io 0x07c0-0x07ff] has been reserved
[0.924252] system 00:07: [io 0x08e0-0x08ff] has been reserved
[0.924258] system 00:07: [io 0x0900-0x09fe] has been reserved
[0.924263] system 00:07: [io 0x0a00-0x0afe] has been reserved
[0.924269] system 00:07: [io 0x0b00-0x0bfe] has been reserved
[0.924274] system 00:07: [io 0x0c80-0x0caf] has been reserved
[0.924280] system 00:07: [io 0x0cb0-0x0cbf] has been reserved
[0.924285] system 00:07: [io 0x0cc0-0x0cf7] has been reserved
[0.924291] system 00:07: [io 0x0d00-0x0dfe] has been reserved
[0.924297] system 00:07: [io 0x0e00-0x0efe] has been reserved
[0.924302] system 00:07: [io 0x0f00-0x0ffe] has been reserved
[0.924308] system 00:07: [io 0x2000-0x20fe] has been reserved
[0.924313] system 00:07: [io 0x2100-0x21fe] has been reserved
[0.924319] system 00:07: [io 0x2200-0x22fe] has been reserved
[0.924325] system 00:07: [io 0x2300-0x23fe] has been reserved
[0.924330] system 00:07: [io 0x2400-0x24fe] has been reserved
[0.924336] system 00:07: [io 0x2500-0x25fe] has been reserved
[0.924341] system 00:07: [io 0x2600-0x26fe] has been reserved
[0.924347] system 00:07: [io 0x2700-0x27fe] has been reserved
[0.924353] system 00:07: [io 0x2800-0x28fe] has been reserved
[0.924359] system 00:07: [io 0x2900-0x29fe] has been reserved
[0.924365] system 00:07: [io 0x2a00-0x2afe] has been reserved
[0.924370] system 00:07: [io 0x2b00-0x2bfe] has been reserved
[0.924376] system 00:07: [io 0x2c00-0x2cfe] has been reserved
[0.924382] system 00:07: [io 0x2d00-0x2dfe] has been reserved
[0.924387] system 00:07: [io 0x2e00-0x2efe] has been reserved
[0.924393] system 00:07: [io 0x2f00-0x2ffe] has been reserved
[0.924399] system 00:07: [io 0x5000-0x50fe] has been reserved
[0.924404] system 00:07: [io 0x5100-0x51fe] has been reserved
[0.924410] system 00:07: [io 0x5200-0x52fe] has been reserved
[0.924416] system 00:07: [io 0x5300-0x53fe] has been reserved
[0.924422] system 00:07: [io 0x5400-0x54fe] has been reserved
[0.924427] system 00:07: [io 0x5500-0x55fe] has been reserved
[0.924433] system 00:07: [io 0x5600-0x56fe] has been reserved
[0.924439] system 00:07: [io 0x5700-0x57fe] has been reserved
[0.924445] system 00:07: [io 0x5800-0x58fe] has been reserved
[0.924450] system 00:07: [io 0x5900-0x59fe] has been reserved
[0.924456] system 00:07: [io 0x5a00-0x5afe] has been reserved
[0.924462] system 00:07: [io 0x5b00-0x5bfe] has been reserved
[0.924468] system 00:07: [io 0x5c00-0x5cfe] has been reserved
[0.924474] system 00:07: [io 0x5d00-0x5dfe] has been reserved

[0.924480] system 00:07: [io 0x5e00-0x5efe] has been reserved
[0.924486] system 00:07: [io 0x5f00-0x5ffe] has been reserved
[0.924492] system 00:07: [io 0x6000-0x60fe] has been reserved
[0.924497] system 00:07: [io 0x6100-0x61fe] has been reserved
[0.924506] system 00:07: [io 0x6200-0x62fe] has been reserved
[0.924512] system 00:07: [io 0x6300-0x63fe] has been reserved
[0.924518] system 00:07: [io 0x6400-0x64fe] has been reserved
[0.924524] system 00:07: [io 0x6500-0x65fe] has been reserved
[0.924530] system 00:07: [io 0x6600-0x66fe] has been reserved
[0.924536] system 00:07: [io 0x6700-0x67fe] has been reserved
[0.924542] system 00:07: [io 0x6800-0x68fe] has been reserved
[0.924548] system 00:07: [io 0x6900-0x69fe] has been reserved
[0.924554] system 00:07: [io 0x6a00-0x6afe] has been reserved
[0.924561] system 00:07: [io 0x6b00-0x6bfe] has been reserved
[0.924567] system 00:07: [io 0x6c00-0x6cfe] has been reserved
[0.924573] system 00:07: [io 0x6d00-0x6dfe] has been reserved
[0.924579] system 00:07: [io 0x6e00-0x6efe] has been reserved
[0.924586] system 00:07: [io 0x6f00-0x6ffe] has been reserved
[0.924592] system 00:07: [io 0xa000-0xa0fe] has been reserved
[0.924598] system 00:07: [io 0xa100-0xa1fe] has been reserved
[0.924604] system 00:07: [io 0xa200-0xa2fe] has been reserved
[0.924611] system 00:07: [io 0xa300-0xa3fe] has been reserved
[0.924617] system 00:07: [io 0xa400-0xa4fe] has been reserved
[0.924623] system 00:07: [io 0xa500-0xa5fe] has been reserved
[0.924630] system 00:07: [io 0xa600-0xa6fe] has been reserved
[0.924636] system 00:07: [io 0xa700-0xa7fe] has been reserved
[0.924643] system 00:07: [io 0xa800-0xa8fe] has been reserved
[0.924649] system 00:07: [io 0xa900-0xa9fe] has been reserved
[0.924656] system 00:07: [io 0xaa00-0xaafe] has been reserved
[0.924662] system 00:07: [io 0xab00-0xabfe] has been reserved
[0.924669] system 00:07: [io 0xac00-0xacfe] has been reserved
[0.924675] system 00:07: [io 0xad00-0xadfe] has been reserved
[0.924682] system 00:07: [io 0xae00-0xaeff] has been reserved
[0.924689] system 00:07: [io 0xaf00-0xafff] has been reserved
[0.924696] system 00:07: [mem 0xf0000000-0xf3ffffff] has been reserved
[0.924702] system 00:07: [mem 0xfeda0000-0xfedacfff] has been reserved
[0.924709] system 00:07: Plug and Play ACPI device, IDs PNP0c02 (active)
[0.924723] pnp: PnP ACPI: found 8 devices
[0.924726] ACPI: ACPI bus type pnp unregistered
[0.924733] PnPBIOS: Disabled by ACPI PNP
[0.964887] pci 0000:00:1c.0: bridge window [io 0x1000-0x0fff] to [bus 02-02] add_size 1000
[0.964912] pci 0000:00:1c.0: res[13]=[io 0x1000-0x0fff] get_res_add_size add_size 1000
[0.964923] pci 0000:00:1c.0: BAR 13: assigned [io 0x1000-0x1fff]
[0.964931] pci 0000:00:1f.2: BAR 5: assigned [mem 0xf4000000-0xf40003ff]
[0.964943] pci 0000:00:01.0: PCI bridge to [bus 01-01]
[0.964951] pci 0000:00:01.0: bridge window [io 0xd000-0xdfff]
[0.964959] pci 0000:00:01.0: bridge window [mem 0xefd00000-0xefefffff]
[0.964967] pci 0000:00:01.0: bridge window [mem 0xea000000-0xebffffff 64bit pref]
[0.964977] pci 0000:00:1c.0: PCI bridge to [bus 02-02]
[0.964983] pci 0000:00:1c.0: bridge window [io 0x1000-0x1fff]
[0.964992] pci 0000:00:1c.0: bridge window [mem 0xefc00000-0xefcfffff]
[0.965000] pci 0000:00:1c.0: bridge window [mem 0xec000000-0xedffffff 64bit pref]

[0.965010] pci 0000:00:1e.0: PCI bridge to [bus 03-03]
[0.965016] pci 0000:00:1e.0: bridge window [io 0xc000-0xcfff]
[0.965026] pci 0000:00:1e.0: bridge window [mem 0xefb00000-0xefbfffff]
[0.965079] pci 0000:00:1e.0: setting latency timer to 64
[0.965088] pci_bus 0000:00: resource 4 [io 0x0000-0xffff]
[0.965093] pci_bus 0000:00: resource 5 [mem 0x00000000-0xffffffff]
[0.965098] pci_bus 0000:01: resource 0 [io 0xd000-0xdfff]
[0.965103] pci_bus 0000:01: resource 1 [mem 0xefd00000-0xefefffff]
[0.965108] pci_bus 0000:01: resource 2 [mem 0xea000000-0xebfffff 64bit pref]
[0.965113] pci_bus 0000:02: resource 0 [io 0x1000-0x1fff]
[0.965118] pci_bus 0000:02: resource 1 [mem 0xefc00000-0xefcfffff]
[0.965123] pci_bus 0000:02: resource 2 [mem 0xec000000-0xedfffff 64bit pref]
[0.965128] pci_bus 0000:03: resource 0 [io 0xc000-0xcfff]
[0.965132] pci_bus 0000:03: resource 1 [mem 0xefb00000-0xefbfffff]
[0.965137] pci_bus 0000:03: resource 4 [io 0x0000-0xffff]
[0.965142] pci_bus 0000:03: resource 5 [mem 0x00000000-0xffffffff]
[0.965288] NET: Registered protocol family 2
[0.965411] IP route cache hash table entries: 32768 (order: 5, 131072 bytes)
[0.965769] TCP established hash table entries: 131072 (order: 8, 1048576 bytes)
[0.966332] TCP bind hash table entries: 65536 (order: 7, 524288 bytes)
[0.966671] TCP: Hash tables configured (established 131072 bind 65536)
[0.966676] TCP: reno registered
[0.966682] UDP hash table entries: 512 (order: 2, 16384 bytes)
[0.966698] UDP-Lite hash table entries: 512 (order: 2, 16384 bytes)
[0.966905] NET: Registered protocol family 1
[0.967181] pci 0000:01:00.0: Boot video device
[0.967216] pci 0000:03:08.0: Firmware left e100 interrupts enabled; disabling
[0.967227] PCI: CLS 64 bytes, default 64
[0.967330] Unpacking initramfs...
[1.440936] Freeing initrd memory: 14260k freed
[1.451340] Simple Boot Flag at 0x7a set to 0x1
[1.452151] audit: initializing netlink socket (disabled)
[1.452183] type=2000 audit(1485983303.448:1): initialized
[1.470069] highmem bounce pool size: 64 pages
[1.470080] HugeTLB registered 4 MB page size, pre-allocated 0 pages
[1.470469] VFS: Disk quotas dquot_6.5.2
[1.470519] Dquot-cache hash table entries: 1024 (order 0, 4096 bytes)
[1.470658] msgmni has been set to 1688
[1.471012] alg: No test for stdrng (krng)
[1.471076] Block layer SCSI generic (bsg) driver version 0.4 loaded (major 253)
[1.471083] io scheduler noop registered
[1.471087] io scheduler deadline registered
[1.471129] io scheduler cfq registered (default)
[1.471482] pci_hotplug: PCI Hot Plug PCI Core version: 0.5
[1.471522] pciehp: PCI Express Hot Plug Controller Driver version: 0.4
[1.471526] acpiphp: ACPI Hot Plug PCI Controller Driver version: 0.5
[1.472451] GHES: HEST is not enabled!
[1.472477] isapnp: Scanning for PnP cards...
[1.826016] isapnp: No Plug & Play device found
[1.826123] Serial: 8250/16550 driver, 4 ports, IRQ sharing enabled
[1.826817] Linux agpgart interface v0.103
[1.827363] i8042: PNP: No PS/2 controller found. Probing ports directly.

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[ 1.830183] serio: i8042 KBD port at 0x60,0x64 irq 1
[ 1.830245] serio: i8042 AUX port at 0x60,0x64 irq 12
[ 1.830474] mousedev: PS/2 mouse device common for all mice
[ 1.830562] rtc_cmos 00:05: RTC can wake from S4
[ 1.830763] rtc_cmos 00:05: rtc core: registered rtc_cmos as rtc0
[ 1.830800] rtc0: alarms up to one day, 242 bytes nvram, hpet irqs
[ 1.830985] TCP: cubic registered
[ 1.831104] NET: Registered protocol family 10
[ 1.831500] Mobile IPv6
[ 1.831507] NET: Registered protocol family 17
[ 1.831517] Registering the dns_resolver key type
[ 1.831611] Using IPI No-Shortcut mode
[ 1.831843] PM: Hibernation image not present or could not be loaded.
[ 1.831869] registered taskstats version 1
[ 1.832483] rtc_cmos 00:05: setting system clock to 2017-02-01 21:08:24 UTC (1485983304)
[ 1.832702] Freeing unused kernel memory: 416k freed
[ 1.833097] Write protecting the kernel text: 3496k
[ 1.833137] Write protecting the kernel read-only data: 984k
[ 1.856686] udevd[50]: starting version 175
[ 1.887148] SCSI subsystem initialized
[ 1.908520] usbcore: registered new interface driver usbfs
[ 1.908568] usbcore: registered new interface driver hub
[ 1.909583] libata version 3.00 loaded.
[ 1.910281] ata_piix 0000:00:1f.1: version 2.13
[ 1.910382] ata_piix 0000:00:1f.1: setting latency timer to 64
[ 1.915885] usbcore: registered new device driver usb
[ 1.916803] ehci_hcd: USB 2.0 'Enhanced' Host Controller (EHCI) Driver
[ 1.917102] scsi0 : ata_piix
[ 1.923847] scsi1 : ata_piix
[ 1.926147] ata1: PATA max UDMA/100 cmd 0x1f0 ctl 0x3f6 bmdma 0xffa0 irq 14
[ 1.926156] ata2: PATA max UDMA/100 cmd 0x170 ctl 0x376 bmdma 0xffa8 irq 15
[ 1.927276] ata_piix 0000:00:1f.2: MAP [ P0 P2 P1 P3 ]
[ 1.928156] ata2: port disabled--ignoring
[ 1.944665] uhci_hcd: USB Universal Host Controller Interface driver
[ 1.957797] microcode: CPU0 sig=0xf47, pf=0x10, revision=0x3
[ 1.998125] microcode: CPU1 sig=0xf47, pf=0x10, revision=0x3
[ 2.003057] microcode: Microcode Update Driver: v2.00 <tigran@aivazian.fsnet.co.uk>, Peter

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Oruba

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[ 2.080063] ata_piix 0000:00:1f.2: setting latency timer to 64
[ 2.080794] scsi2 : ata_piix
[ 2.080942] scsi3 : ata_piix
[ 2.081041] ata3: SATA max UDMA/133 cmd 0xfe00 ctl 0xfe10 bmdma 0xfea0 irq 20
[ 2.081047] ata4: SATA max UDMA/133 cmd 0xfe20 ctl 0xfe30 bmdma 0xfea8 irq 20
[ 2.081180] ehci_hcd 0000:00:1d.7: setting latency timer to 64
[ 2.081191] ehci_hcd 0000:00:1d.7: EHCI Host Controller
[ 2.081269] ehci_hcd 0000:00:1d.7: new USB bus registered, assigned bus number 1
[ 2.081304] ehci_hcd 0000:00:1d.7: using broken periodic workaround
[ 2.081322] ehci_hcd 0000:00:1d.7: debug port 1
[ 2.085224] ehci_hcd 0000:00:1d.7: cache line size of 64 is not supported
[ 2.085257] ehci_hcd 0000:00:1d.7: irq 21, io mem 0xffa80800
[ 2.088434] ata1.00: ATAPI: HL-DT-STDVD+-RW GSA-H21N, A105, max UDMA/33
[ 2.096037] ehci_hcd 0000:00:1d.7: USB 2.0 started, EHCI 1.00

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[2.096163] usb usb1: New USB device found, idVendor=1d6b, idProduct=0002
[2.096173] usb usb1: New USB device strings: Mfr=3, Product=2, SerialNumber=1
[2.096190] usb usb1: Product: EHCI Host Controller
[2.096198] usb usb1: Manufacturer: Linux 3.4-9-rtai-686-pae ehci_hcd
[2.096209] usb usb1: SerialNumber: 0000:00:1d.7
[2.096464] hub 1-0:1.0: USB hub found
[2.096475] hub 1-0:1.0: 8 ports detected
[2.096725] uhci_hcd 0000:00:1d.0: setting latency timer to 64
[2.096734] uhci_hcd 0000:00:1d.0: UHCI Host Controller
[2.096750] uhci_hcd 0000:00:1d.0: new USB bus registered, assigned bus number 2
[2.096787] uhci_hcd 0000:00:1d.0: irq 21, io base 0x0000ff80
[2.096857] usb usb2: New USB device found, idVendor=1d6b, idProduct=0001
[2.096863] usb usb2: New USB device strings: Mfr=3, Product=2, SerialNumber=1
[2.096869] usb usb2: Product: UHCI Host Controller
[2.096877] usb usb2: Manufacturer: Linux 3.4-9-rtai-686-pae uhci_hcd
[2.096883] usb usb2: SerialNumber: 0000:00:1d.0
[2.097621] hub 2-0:1.0: USB hub found
[2.097634] hub 2-0:1.0: 2 ports detected
[2.097801] uhci_hcd 0000:00:1d.1: setting latency timer to 64
[2.097809] uhci_hcd 0000:00:1d.1: UHCI Host Controller
[2.097825] uhci_hcd 0000:00:1d.1: new USB bus registered, assigned bus number 3
[2.097882] uhci_hcd 0000:00:1d.1: irq 22, io base 0x0000ff60
[2.097948] usb usb3: New USB device found, idVendor=1d6b, idProduct=0001
[2.097954] usb usb3: New USB device strings: Mfr=3, Product=2, SerialNumber=1
[2.097959] usb usb3: Product: UHCI Host Controller
[2.097963] usb usb3: Manufacturer: Linux 3.4-9-rtai-686-pae uhci_hcd
[2.097967] usb usb3: SerialNumber: 0000:00:1d.1
[2.098314] hub 3-0:1.0: USB hub found
[2.098325] hub 3-0:1.0: 2 ports detected
[2.098488] uhci_hcd 0000:00:1d.2: setting latency timer to 64
[2.098495] uhci_hcd 0000:00:1d.2: UHCI Host Controller
[2.098510] uhci_hcd 0000:00:1d.2: new USB bus registered, assigned bus number 4
[2.098560] uhci_hcd 0000:00:1d.2: irq 18, io base 0x0000ff40
[2.098625] usb usb4: New USB device found, idVendor=1d6b, idProduct=0001
[2.098630] usb usb4: New USB device strings: Mfr=3, Product=2, SerialNumber=1
[2.098635] usb usb4: Product: UHCI Host Controller
[2.098639] usb usb4: Manufacturer: Linux 3.4-9-rtai-686-pae uhci_hcd
[2.098643] usb usb4: SerialNumber: 0000:00:1d.2
[2.099778] hub 4-0:1.0: USB hub found
[2.099790] hub 4-0:1.0: 2 ports detected
[2.099974] uhci_hcd 0000:00:1d.3: setting latency timer to 64
[2.099982] uhci_hcd 0000:00:1d.3: UHCI Host Controller
[2.100039] uhci_hcd 0000:00:1d.3: new USB bus registered, assigned bus number 5
[2.100097] uhci_hcd 0000:00:1d.3: irq 23, io base 0x0000ff20
[2.100165] usb usb5: New USB device found, idVendor=1d6b, idProduct=0001
[2.100174] usb usb5: New USB device strings: Mfr=3, Product=2, SerialNumber=1
[2.100180] usb usb5: Product: UHCI Host Controller
[2.100184] usb usb5: Manufacturer: Linux 3.4-9-rtai-686-pae uhci_hcd
[2.100189] usb usb5: SerialNumber: 0000:00:1d.3
[2.100820] hub 5-0:1.0: USB hub found
[2.100832] hub 5-0:1.0: 2 ports detected
[2.104354] ata1.00: configured for UDMA/33

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[ 2.107462] scsi 0:0:0:0: CD-ROM          HL-DT-ST DVD+-RW GSA-H21N A105 PQ: 0 ANSI:
5
[ 2.251210] ata3.00: ATA-8: WDC WD10EARS-00Y5B1, 80.00A80, max UDMA/133
[ 2.251217] ata3.00: 1953525168 sectors, multi 8: LBA48 NCQ (depth 0/32)
[ 2.264322] ata3.00: configured for UDMA/133
[ 2.264491] scsi 2:0:0:0: Direct-Access  ATA   WDC WD10EARS-00Y 80.0 PQ: 0 ANSI: 5
[ 2.265558] e100: Intel(R) PRO/100 Network Driver, 3.5.24-k2-NAPI
[ 2.265566] e100: Copyright(c) 1999-2006 Intel Corporation
[ 2.285525] sd 2:0:0:0: [sda] 1953525168 512-byte logical blocks: (1.00 TB/931 GiB)
[ 2.285663] sd 2:0:0:0: [sda] Write Protect is off
[ 2.285672] sd 2:0:0:0: [sda] Mode Sense: 00 3a 00 00
[ 2.285733] sd 2:0:0:0: [sda] Write cache: enabled, read cache: enabled, doesn't support DPO or
FUA
[ 2.290015] sr0: scsi3-mmc drive: 48x/48x writer cd/rw xa/form2 cdda tray
[ 2.290026] cdrom: Uniform CD-ROM driver Revision: 3.20
[ 2.290736] sr 0:0:0:0: Attached scsi CD-ROM sr0
[ 2.296728] e100 0000:03:08.0: eth0: addr 0xefbfff000, irq 20, MAC addr 00:13:72:e4:e2:3e
[ 2.314446] sda: sda1 sda2 < sda5 >
[ 2.315139] sd 2:0:0:0: [sda] Attached SCSI disk
[ 2.319435] sr 0:0:0:0: Attached scsi generic sg0 type 5
[ 2.319742] sd 2:0:0:0: Attached scsi generic sg1 type 0
[ 2.448032] Refined TSC clocksource calibration: 2659.999 MHz.
[ 2.448045] Switching to clocksource tsc
[ 2.520030] usb 1-3: new high-speed USB device number 4 using ehci_hcd
[ 2.725826] usb 1-3: New USB device found, idVendor=0644, idProduct=0200
[ 2.725835] usb 1-3: New USB device strings: Mfr=1, Product=2, SerialNumber=3
[ 2.725842] usb 1-3: Product: CA-200
[ 2.725846] usb 1-3: Manufacturer: TEAC
[ 2.725850] usb 1-3: SerialNumber: 000001084787
[ 2.730731] Initializing USB Mass Storage driver...
[ 2.730932] scsi4 : usb-storage 1-3:1.0
[ 2.731081] usbcore: registered new interface driver usb-storage
[ 2.731087] USB Mass Storage support registered.
[ 2.964030] usb 2-1: new low-speed USB device number 2 using uhci_hcd
[ 3.171854] usb 2-1: New USB device found, idVendor=413c, idProduct=2105
[ 3.171860] usb 2-1: New USB device strings: Mfr=1, Product=2, SerialNumber=0
[ 3.171866] usb 2-1: Product: Dell USB Keyboard
[ 3.171870] usb 2-1: Manufacturer: Dell
[ 3.246719] input: Dell Dell USB Keyboard as /devices/pci0000:00/0000:00:1d.0/usb2/2-1/2-
1:1.0/input/input0
[ 3.246894] generic-usb 0003:413C:2105.0001: input,hidraw0: USB HID v1.10 Keyboard [Dell
Dell USB Keyboard] on usb-0000:00:1d.0-1/input0
[ 3.247220] usbcore: registered new interface driver usbhid
[ 3.247226] usbhid: USB HID core driver
[ 3.444025] usb 2-2: new low-speed USB device number 3 using uhci_hcd
[ 3.620855] usb 2-2: New USB device found, idVendor=046d, idProduct=c03f
[ 3.620862] usb 2-2: New USB device strings: Mfr=1, Product=2, SerialNumber=0
[ 3.620867] usb 2-2: Product: USB-PS/2 Optical Mouse
[ 3.620871] usb 2-2: Manufacturer: Logitech
[ 3.637577] input: Logitech USB-PS/2 Optical Mouse as
/devices/pci0000:00/0000:00:1d.0/usb2/2-2/2-2:1.0/input/input1
[ 3.637745] generic-usb 0003:046D:C03F.0002: input,hidraw1: USB HID v1.10 Mouse [Logitech

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USB-PS/2 Optical Mouse] on usb-0000:00:1d.0-2/input0
[ 3.737995] scsi 4:0:0:0: Direct-Access    TEAC   USB   HS-CF Card 4.00 PQ: 0 ANSI: 0
[ 3.741731] scsi 4:0:0:1: Direct-Access    TEAC   USB   HS-xD/SM  4.00 PQ: 0 ANSI: 0
[ 3.745479] scsi 4:0:0:2: Direct-Access    TEAC   USB   HS-MS Card 4.00 PQ: 0 ANSI: 0
[ 3.749105] scsi 4:0:0:3: Direct-Access    TEAC   USB   HS-SD Card 4.00 PQ: 0 ANSI: 0
[ 3.751376] sd 4:0:0:0: Attached scsi generic sg2 type 0
[ 3.752494] sd 4:0:0:1: Attached scsi generic sg3 type 0
[ 3.754579] sd 4:0:0:2: Attached scsi generic sg4 type 0
[ 3.755041] sd 4:0:0:3: Attached scsi generic sg5 type 0
[ 3.906350] sd 4:0:0:0: [sdb] Attached SCSI removable disk
[ 3.910839] sd 4:0:0:1: [sdc] Attached SCSI removable disk
[ 3.915464] sd 4:0:0:2: [sdd] Attached SCSI removable disk
[ 3.919457] sd 4:0:0:3: [sde] Attached SCSI removable disk
[ 7.719359] PM: Starting manual resume from disk
[ 7.719367] PM: Hibernation image partition 8:5 present
[ 7.719371] PM: Looking for hibernation image.
[ 7.719683] PM: Image not found (code -22)
[ 7.719688] PM: Hibernation image not present or could not be loaded.
[ 7.946247] EXT4-fs (sda1): mounted filesystem with ordered data mode. Opts: (null)
[ 9.815699] udevd[368]: starting version 175
[ 10.069609] input: Power Button as
/devices/LNXSYSTM:00/LNXXSYBUS:00/PNP0C0C:00/input/input2
[ 10.069626] ACPI: Power Button [VBTN]
[ 10.070036] input: Power Button as /devices/LNXSYSTM:00/LNXPWRBN:00/input/input3
[ 10.070046] ACPI: Power Button [PWRF]
[ 10.378073] dcdbas dcdbas: Dell Systems Management Base Driver (version 5.6.0-3.2)
[ 10.389101] intel_rng: Firmware space is locked read-only. If you can't or
[ 10.389105] intel_rng: don't want to disable this in firmware setup, and if
[ 10.389107] intel_rng: you are certain that your system has a functional
[ 10.389109] intel_rng: RNG, try using the 'no_fwh_detect' option.
[ 10.423935] iTCO_vendor_support: vendor-support=0
[ 10.469363] iTCO_wdt: Intel TCO WatchDog Timer Driver v1.07
[ 10.469511] iTCO_wdt: Found a ICH7 or ICH7R TCO device (Version=2, TCOBASE=0x0860)
[ 10.470996] iTCO_wdt: initialized. heartbeat=30 sec (nowayout=0)
[ 10.518552] leds_ss4200: no LED devices found
[ 10.634814] [drm] Initialized drm 1.1.0 20060810
[ 10.733824] [drm] radeon kernel modesetting enabled.
[ 10.734360] [drm] initializing kernel modesetting (RV380 0x1002:0x5B60 0x1002:0x0602).
[ 10.734398] [drm] register mmio base: 0xEFDE0000
[ 10.734403] [drm] register mmio size: 65536
[ 10.734574] [drm] Generation 2 PCI interface, using max accessible memory
[ 10.734584] radeon 0000:01:00.0: VRAM: 32M 0x00000000EA000000 - 0x00000000EBFFFFFF
(32M used)
[ 10.734590] radeon 0000:01:00.0: GTT: 512M 0x00000000CA000000 - 0x00000000E9FFFFFF
[ 10.735418] [drm] Detected VRAM RAM=32M, BAR=32M
[ 10.735424] [drm] RAM width 64bits DDR
[ 10.735558] [TTM] Zone kernel: Available graphics memory: 432570 kiB
[ 10.735563] [TTM] Zone highmem: Available graphics memory: 1877710 kiB
[ 10.735567] [TTM] Initializing pool allocator
[ 10.735612] [drm] radeon: 32M of VRAM memory ready
[ 10.735617] [drm] radeon: 512M of GTT memory ready.
[ 10.735659] [drm] GART: num cpu pages 131072, num gpu pages 131072

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[10.736739] [drm] radeon: ib pool ready.
[10.736910] [drm] radeon: 1 quad pipes, 1 Z pipes initialized.
[10.738398] [drm] PCIE GART of 512M enabled (table at 0x00000000EA040000).
[10.738430] radeon 0000:01:00.0: WB enabled
[10.738437] [drm] fence driver on ring 0 use gpu addr 0xca000000 and cpu addr 0xff958000
[10.738445] [drm] Supports vblank timestamp caching Rev 1 (10.10.2010).
[10.738448] [drm] Driver supports precise vblank timestamp query.
[10.738466] [drm] radeon: irq initialized.
[10.738819] [drm] Loading R300 Microcode
[10.757975] input: HDA Intel Front Mic as /devices/pci0000:00/0000:00:1b.0/sound/card0/input4
[10.758165] input: HDA Intel Rear Mic as /devices/pci0000:00/0000:00:1b.0/sound/card0/input5
[10.758352] input: HDA Intel Front Headphone as
/devices/pci0000:00/0000:00:1b.0/sound/card0/input6
[10.758509] input: HDA Intel Speaker CLFE as
/devices/pci0000:00/0000:00:1b.0/sound/card0/input7
[10.758672] input: HDA Intel Speaker Surround as
/devices/pci0000:00/0000:00:1b.0/sound/card0/input8
[10.758830] input: HDA Intel Speaker Front as
/devices/pci0000:00/0000:00:1b.0/sound/card0/input9
[10.853127] [drm] radeon: ring at 0x00000000CA001000
[10.853153] [drm] ring test succeeded in 1 usecs
[10.853422] [drm] ib test succeeded in 0 usecs
[10.853830] [drm] Radeon Display Connectors
[10.853835] [drm] Connector 0:
[10.853839] [drm] VGA
[10.853844] [drm] DDC: 0x60 0x60 0x60 0x60 0x60 0x60 0x60 0x60
[10.853848] [drm] Encoders:
[10.853851] [drm] CRT1: INTERNAL_DAC1
[10.853855] [drm] Connector 1:
[10.853860] [drm] DVI-I
[10.853863] [drm] HPD1
[10.853868] [drm] DDC: 0x64 0x64 0x64 0x64 0x64 0x64 0x64 0x64
[10.853872] [drm] Encoders:
[10.853875] [drm] CRT2: INTERNAL_DAC2
[10.853879] [drm] DFP1: INTERNAL_TMDS1
[10.853882] [drm] Connector 2:
[10.853885] [drm] S-video
[10.853889] [drm] Encoders:
[10.853892] [drm] TV1: INTERNAL_DAC2
[10.879979] [drm] fb mappable at 0xEA0C0000
[10.879985] [drm] vram apper at 0xEA000000
[10.879989] [drm] size 786432
[10.880020] [drm] fb depth is 8
[10.880024] [drm] pitch is 1024
[10.880140] fbcon: radeondrmfb (fb0) is primary device
[10.932929] Console: switching to colour frame buffer device 128x48
[10.934307] fb0: radeondrmfb frame buffer device
[10.934312] drm: registered panic notifier
[10.934322] [drm] Initialized radeon 2.16.0 20080528 for 0000:01:00.0 on minor 0
[12.836488] Adding 7597052k swap on /dev/sda5. Priority:-1 extents:1 across:7597052k
[12.863726] EXT4-fs (sda1): re-mounted. Opts: (null)
[13.084557] EXT4-fs (sda1): re-mounted. Opts: errors=remount-ro

[13.315611] loop: module loaded
[14.893028] RPC: Registered named UNIX socket transport module.
[14.893037] RPC: Registered udp transport module.
[14.893043] RPC: Registered tcp transport module.
[14.893048] RPC: Registered tcp NFSv4.1 backchannel transport module.
[14.934863] FS-Cache: Loaded
[14.984241] NFS: Registering the id_resolver key type
[14.984280] FS-Cache: Netfs 'nfs' registered for caching
[14.991569] Installing knfsd (copyright (C) 1996 okir@monad.swb.de).
[17.254440] input: ACPI Virtual Keyboard Device as /devices/virtual/input/input10
[17.550212] Bluetooth: Core ver 2.16
[17.550570] NET: Registered protocol family 31
[17.550576] Bluetooth: HCI device and connection manager initialized
[17.550581] Bluetooth: HCI socket layer initialized
[17.550585] Bluetooth: L2CAP socket layer initialized
[17.550597] Bluetooth: SCO socket layer initialized
[17.584762] Bluetooth: RFCOMM TTY layer initialized
[17.584775] Bluetooth: RFCOMM socket layer initialized
[17.584781] Bluetooth: RFCOMM ver 1.11
[17.600733] Bluetooth: BNEP (Ethernet Emulation) ver 1.3
[17.600742] Bluetooth: BNEP filters: protocol multicast
[17.857816] lp: driver loaded but no devices found
[17.998950] ppdev: user-space parallel port driver
[19.353191] ADDRCONF(NETDEV_UP): eth0: link is not ready
[19.356176] e100 0000:03:08.0: eth0: NIC Link is Up 100 Mbps Full Duplex
[19.356417] ADDRCONF(NETDEV_CHANGE): eth0: link becomes ready
[29.568014] eth0: no IPv6 routers present
[1834.984787] udevd[17285]: starting version 175
[65961.318517] I-pipe: head domain RTAI registered.
[65961.318528] RTAI[hal]: compiled with gcc version 4.7.2 (Debian 4.7.2-5) .
[65961.318638] RTAI[hal]: mounted (IPIPE-NOTHEADS, IMMEDIATE (INTERNAL IRQs DISPATCHED), ISOL_CPUS_MASK: 0).
[65961.318646] SYSINFO: CPUs 2, LINUX APIC IRQ 2312, TIM_FREQ 8311880, CLK_FREQ 2660131000, CPU_FREQ 2660131000
[65961.318653] RTAI_APIC_TIMER_IPI: RTAI DEFINED 2314, VECTOR 2314;
LINUX_APIC_TIMER_IPI: RTAI DEFINED 2312, VECTOR 2312
[65961.318661] TIMER_NAME: lapic; VARIOUSLY FOUND APIC FREQS: 8311880, 8311880, 6999000
[65961.349767] RTAI[malloc]: global heap size = 2097152 bytes, <BSD>.
[65961.349834] , <uses LINUX SYSCALLS>, kstacks pool size = 524288 bytes.
[65961.349843] RTAI[sched]: hard timer type/freq = APIC/8311880(Hz); default timing: oneshot; linear timed lists.
[65961.349850] RTAI[sched]: Linux timer freq = 250 (Hz), TimeBase freq = 2660131000 hz.
[65961.349854] RTAI[sched]: timer setup = 999 ns, resched latency = 2943 ns.
[65961.378621] RTAI[math]: loaded.
[65961.506643] config string '0 out'
[65961.508842] PARPORT: ERROR: linux parport 0 not found
[65974.030511] RTAI[math]: unloaded.
[65974.033970] SCHED releases registered named ALIEN PEDV\$D
[65974.047062] RTAI[malloc]: unloaded.
[65974.144033] RTAI[sched]: unloaded (forced hard/soft/hard transitions: traps 0, syscalls 0).
[65974.147710] I-pipe: head domain RTAI unregistered.

[65974.147838] RTAI[hal]: unmounted.
[66000.174382] I-pipe: head domain RTAI registered.
[66000.174396] RTAI[hal]: compiled with gcc version 4.7.2 (Debian 4.7.2-5) .
[66000.174505] RTAI[hal]: mounted (IPIPE-NOTHREADS, IMMEDIATE (INTERNAL IRQs DISPATCHED), ISOL_CPUS_MASK: 0).
[66000.174513] SYSINFO: CPUs 2, LINUX APIC IRQ 2312, TIM_FREQ 8311880, CLK_FREQ 2660131000, CPU_FREQ 2660131000
[66000.174518] RTAI_APIC_TIMER_IPI: RTAI DEFINED 2314, VECTOR 2314;
LINUX_APIC_TIMER_IPI: RTAI DEFINED 2312, VECTOR 2312
[66000.174525] TIMER NAME: lapic; VARIOUSLY FOUND APIC FREQs: 8311880, 8311880, 8268250
[66000.188247] RTAI[malloc]: global heap size = 2097152 bytes, <BSD>.
[66000.188314] , <uses LINUX SYSCALLs>, kstacks pool size = 524288 bytes.
[66000.188324] RTAI[sched]: hard timer type/freq = APIC/8311880(Hz); default timing: oneshot; linear timed lists.
[66000.188331] RTAI[sched]: Linux timer freq = 250 (Hz), TimeBase freq = 2660131000 hz.
[66000.188336] RTAI[sched]: timer setup = 999 ns, resched latency = 2943 ns.
[66000.202604] RTAI[math]: loaded.
[66000.366295] config string '0 out'
[66000.368793] PARPORT: ERROR: linux parport 0 not found
[66002.983706] RTAI[math]: unloaded.
[66002.987555] SCHED releases registered named ALIEN PEDV\$D
[66002.991659] RTAI[malloc]: unloaded.
[66003.088030] RTAI[sched]: unloaded (forced hard/soft/hard transitions: traps 0, syscalls 0).
[66003.091544] I-pipe: head domain RTAI unregistered.
[66003.091680] RTAI[hal]: unmounted.
[66028.243745] I-pipe: head domain RTAI registered.
[66028.243757] RTAI[hal]: compiled with gcc version 4.7.2 (Debian 4.7.2-5) .
[66028.243872] RTAI[hal]: mounted (IPIPE-NOTHREADS, IMMEDIATE (INTERNAL IRQs DISPATCHED), ISOL_CPUS_MASK: 0).
[66028.243879] SYSINFO: CPUs 2, LINUX APIC IRQ 2312, TIM_FREQ 8311880, CLK_FREQ 2660131000, CPU_FREQ 2660131000
[66028.243884] RTAI_APIC_TIMER_IPI: RTAI DEFINED 2314, VECTOR 2314;
LINUX_APIC_TIMER_IPI: RTAI DEFINED 2312, VECTOR 2312
[66028.243890] TIMER NAME: lapic; VARIOUSLY FOUND APIC FREQs: 8311880, 8311880, 8273000
[66028.256807] RTAI[malloc]: global heap size = 2097152 bytes, <BSD>.
[66028.256872] , <uses LINUX SYSCALLs>, kstacks pool size = 524288 bytes.
[66028.256882] RTAI[sched]: hard timer type/freq = APIC/8311880(Hz); default timing: oneshot; linear timed lists.
[66028.256889] RTAI[sched]: Linux timer freq = 250 (Hz), TimeBase freq = 2660131000 hz.
[66028.256894] RTAI[sched]: timer setup = 999 ns, resched latency = 2943 ns.
[66028.266012] RTAI[math]: loaded.
[66028.431643] config string '0 out'
[66028.433869] PARPORT: ERROR: linux parport 0 not found
[66030.968683] RTAI[math]: unloaded.
[66030.972619] SCHED releases registered named ALIEN PEDV\$D
[66030.976629] RTAI[malloc]: unloaded.
[66031.076062] RTAI[sched]: unloaded (forced hard/soft/hard transitions: traps 0, syscalls 0).
[66031.079818] I-pipe: head domain RTAI unregistered.
[66031.079946] RTAI[hal]: unmounted.

