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root@linuxpc:~# dmesg
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[ 0.000000] Initializing cgroup subsys cpuset
[ 0.000000] Initializing cgroup subsys cpu
[ 0.000000] Initializing cgroup subsys cpuacct
[ 0.000000] Linux version 3.16.0-6-686-pae (debian-kernel@lists.debian.org) (gcc version 4.9.2
(Debian 4.9.2-10+deb8u1) ) #1 SMP Debian 3.16.57-2 (2018-07-14)
[ 0.000000] e820: BIOS-provided physical RAM map:
[ 0.000000] BIOS-e820: [mem 0x0000000000000000-0x000000000009fbff] usable
[ 0.000000] BIOS-e820: [mem 0x000000000009fc00-0x000000000009ffff] reserved
[ 0.000000] BIOS-e820: [mem 0x00000000000e0000-0x00000000000fffff] reserved
[ 0.000000] BIOS-e820: [mem 0x0000000000100000-0x00000000005bfaffff] usable
[ 0.000000] BIOS-e820: [mem 0x00000000005bfb0000-0x00000000005bfbdfff] ACPI data
[ 0.000000] BIOS-e820: [mem 0x00000000005bfbe000-0x00000000005bfdffff] ACPI NVS
[ 0.000000] BIOS-e820: [mem 0x00000000005bfef000-0x00000000005bffffff] reserved
[ 0.000000] BIOS-e820: [mem 0x00000000ff780000-0x00000000ffffffff] reserved
[ 0.000000] NX (Execute Disable) protection: active
[ 0.000000] SMBIOS 2.3 present.
[ 0.000000] DMI: ATComputers COMFOR HAPPY /P5RD2-VM, BIOS 0811 05/30/2006
[ 0.000000] e820: update [mem 0x00000000-0x00000fff] usable ==> reserved
[ 0.000000] e820: remove [mem 0x000a0000-0x000fffff] usable
[ 0.000000] e820: last_pfn = 0x5bfb0 max_arch_pfn = 0x1000000
[ 0.000000] MTRR default type: uncachable
[ 0.000000] MTRR fixed ranges enabled:
[ 0.000000] 00000-9FFFF write-back
[ 0.000000] A0000-DFFFF uncachable
[ 0.000000] E0000-EFFFF write-through
[ 0.000000] F0000-FFFFFF write-protect
[ 0.000000] MTRR variable ranges enabled:
[ 0.000000] 0 base 00000000 mask FC000000 write-back
[ 0.000000] 1 base 04000000 mask FE000000 write-back
[ 0.000000] 2 base 05C00000 mask FFC00000 uncachable
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[0.000000] 3 disabled
[0.000000] 4 disabled
[0.000000] 5 disabled
[0.000000] 6 disabled
[0.000000] 7 disabled
[0.000000] x86 PAT enabled: cpu 0, old 0x7040600070406, new 0x7010600070106
[0.000000] initial memory mapped: [mem 0x00000000-0x01dfffff]
[0.000000] Base memory trampoline at [c009b000] 9b000 size 16384
[0.000000] init_memory_mapping: [mem 0x00000000-0x000fffff]
[0.000000] [mem 0x00000000-0x000fffff] page 4k
[0.000000] init_memory_mapping: [mem 0x37200000-0x373fffff]
[0.000000] [mem 0x37200000-0x373fffff] page 2M
[0.000000] init_memory_mapping: [mem 0x34000000-0x371fffff]
[0.000000] [mem 0x34000000-0x371fffff] page 2M
[0.000000] init_memory_mapping: [mem 0x00100000-0x33ffffff]
[0.000000] [mem 0x00100000-0x001fffff] page 4k
[0.000000] [mem 0x00200000-0x33ffffff] page 2M
[0.000000] init_memory_mapping: [mem 0x37400000-0x375dffff]
[0.000000] [mem 0x37400000-0x375dffff] page 4k
[0.000000] BRK [0x017e0000, 0x017e0fff] PGTABLE
[0.000000] BRK [0x017e1000, 0x017e2fff] PGTABLE
[0.000000] BRK [0x017e3000, 0x017e3fff] PGTABLE
[0.000000] BRK [0x017e4000, 0x017e4fff] PGTABLE
[0.000000] RAMDISK: [mem 0x363f2000-0x371f0fff]
[0.000000] ACPI: Early table checksum verification disabled
[0.000000] ACPI: RSDP 0x000000000000FB010 000024 (v02 ACPIAM)
[0.000000] ACPI: XSDT 0x000000005BFB0100 00003C (v01 A M I OEMXSDT 05000630 MSFT 00000097)
[0.000000] ACPI: FACP 0x000000005BFB0290 0000F4 (v03 A M I OEMFACP 05000630 MSFT 00000097)
[0.000000] ACPI: DSDT 0x000000005BFB0440 0057A1 (v01 A0443 A0443811 00000811 INTL 02002026)

[0.000000] ACPI: FACS 0x000000005BFBE000 000040

[0.000000] ACPI: FACS 0x000000005BFBE000 000040

[0.000000] ACPI: MCFG 0x000000005BFB0400 00003C (v01 A M I OEMMCFG 05000630 MSFT 00000097)

[0.000000] ACPI: OEMB 0x000000005BFBE040 00004B (v01 A M I AMI_OEM 05000630 MSFT 00000097)

[0.000000] 585MB HIGHMEM available.

[0.000000] 885MB LOWMEM available.

[0.000000] mapped low ram: 0 - 375fe000

[0.000000] low ram: 0 - 375fe000

[0.000000] BRK [0x017e5000, 0x017e5fff] PGTABLE

[0.000000] Zone ranges:

[0.000000] DMA [mem 0x00001000-0x00ffffff]

[0.000000] Normal [mem 0x01000000-0x375fdfff]

[0.000000] HighMem [mem 0x375fe000-0x5bfaffff]

[0.000000] Movable zone start for each node

[0.000000] Early memory node ranges

[0.000000] node 0: [mem 0x00001000-0x0009efff]

[0.000000] node 0: [mem 0x00100000-0x5bfaffff]

[0.000000] On node 0 totalpages: 376654

[0.000000] free_area_init_node: node 0, pgdat c16a1600, node_mem_map f5872020

[0.000000] DMA zone: 32 pages used for memmap

[0.000000] DMA zone: 0 pages reserved

[0.000000] DMA zone: 3998 pages, LIFO batch:0

[0.000000] Normal zone: 1740 pages used for memmap

[0.000000] Normal zone: 222718 pages, LIFO batch:31

[0.000000] HighMem zone: 1172 pages used for memmap

[0.000000] HighMem zone: 149938 pages, LIFO batch:31

[0.000000] Using APIC driver default

[0.000000] ACPI: PM-Timer IO Port: 0x4008

[0.000000] smpboot: Allowing 1 CPUs, 0 hotplug CPUs

[0.000000] Found and enabled local APIC!

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[ 0.000000] nr_irqs_gsi: 16
[ 0.000000] PM: Registered nosave memory: [mem 0x0009f000-0x0009ffff]
[ 0.000000] PM: Registered nosave memory: [mem 0x000a0000-0x000dffff]
[ 0.000000] PM: Registered nosave memory: [mem 0x000e0000-0x000fffff]
[ 0.000000] e820: [mem 0x5c000000-0xff77ffff] available for PCI devices
[ 0.000000] Booting paravirtualized kernel on bare hardware
[ 0.000000] setup_percpu: NR_CPUS:32 nr_cpumask_bits:32 nr_cpu_ids:1 nr_node_ids:1
[ 0.000000] PERCPU: Embedded 14 pages/cpu @f75e7000 s36224 r0 d21120 u57344
[ 0.000000] pcpu-alloc: s36224 r0 d21120 u57344 alloc=14*4096
[ 0.000000] pcpu-alloc: [0] 0
[ 0.000000] Built 1 zonelists in Zone order, mobility grouping on. Total pages: 374882
[ 0.000000] Kernel command line: BOOT_IMAGE=/boot/vmlinuz-3.16.0-6-686-pae
root=UUID=52f83d4a-e48f-4cb6-b897-9824e55866ca ro quiet
[ 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] Initializing HighMem for node 0 (000375fe:0005bfb0)
[ 0.000000] Initializing Movable for node 0 (00000000:00000000)
[ 0.000000] Memory: 1471472K/1506616K available (4810K kernel code, 581K rwddata, 1468K
rodata, 640K init, 468K bss, 35144K reserved, 599752K highmem)
[ 0.000000] virtual kernel memory layout:
    fixmap : 0xffd34000 - 0xfffff000 (2860 kB)
    pkmap : 0xff600000 - 0xff800000 (2048 kB)
    vmalloc : 0xf7dfe000 - 0xff5fe000 (120 MB)
    lowmem : 0xc0000000 - 0xf75fe000 (885 MB)
    .init : 0xc16b6000 - 0xc1756000 (640 kB)
    .data : 0xc14b2bb8 - 0xc16b4780 (2054 kB)
    .text : 0xc1000000 - 0xc14b2bb8 (4810 kB)
[ 0.000000] Checking if this processor honours the WP bit even in supervisor mode...Ok.
[ 0.000000] Hierarchical RCU implementation.
[ 0.000000] RCU dyntick-idle grace-period acceleration is enabled.
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[0.000000] RCU restricting CPUs from NR_CPUS=32 to nr_cpu_ids=1.

[0.000000] RCU: Adjusting geometry for rcu_fanout_leaf=16, nr_cpu_ids=1

[0.000000] NR_IRQS:2304 nr_irqs:256 16

[0.000000] CPU 0 irqstacks, hard=f5406000 soft=f5408000

[0.000000] Console: colour VGA+ 80x25

[0.000000] console [tty0] enabled

[0.000000] tsc: Fast TSC calibration failed

[0.000000] tsc: Unable to calibrate against PIT

[0.000000] tsc: using PMTIMER reference calibration

[0.000000] tsc: Detected 3399.005 MHz processor

[0.016020] Calibrating delay loop (skipped), value calculated using timer frequency.. 6798.01 BogoMIPS (lpj=13596020)

[0.016028] pid_max: default: 32768 minimum: 301

[0.016055] ACPI: Core revision 20140424

[0.026332] ACPI: All ACPI Tables successfully acquired

[0.026343] ACPI: setting ELCR to 0200 (from 0cb8)

[0.026381] Security Framework initialized

[0.026407] AppArmor: AppArmor disabled by boot time parameter

[0.026411] Yama: disabled by default; enable with sysctl kernel.yama.*

[0.026443] Mount-cache hash table entries: 2048 (order: 1, 8192 bytes)

[0.026449] Mountpoint-cache hash table entries: 2048 (order: 1, 8192 bytes)

[0.026934] Initializing cgroup subsys memory

[0.026946] Initializing cgroup subsys devices

[0.026963] Initializing cgroup subsys freezer

[0.026970] Initializing cgroup subsys net_cls

[0.026984] Initializing cgroup subsys blkio

[0.026995] Initializing cgroup subsys perf_event

[0.027000] Initializing cgroup subsys net_prio

[0.027055] CPU: Physical Processor ID: 0

[0.027059] CPU: Processor Core ID: 0

[0.027071] mce: CPU supports 4 MCE banks

[0.027089] CPU0: Thermal monitoring enabled (TM1)

[0.027096] process: using mwait in idle threads

[0.027113] Last level iTLB entries: 4KB 128, 2MB 128, 4MB 128

Last level dTLB entries: 4KB 64, 2MB 0, 4MB 64, 1GB 0

[0.027121] Spectre V2 : Mitigation: Full generic retpoline

[0.027124] Spectre V2 : Filling RSB on context switch

[0.041076] Freeing SMP alternatives memory: 20K (c1756000 - c175b000)

[0.043553] ftrace: allocating 20906 entries in 41 pages

[0.068181] smpboot: weird, boot CPU (#0) not listed by the BIOS

[0.068189] smpboot: SMP motherboard not detected

[0.068198] Enabling APIC mode: Flat. Using 0 I/O APICs

[0.072000] smpboot: SMP disabled

[0.072000] Performance Events: Netburst events, Netburst P4/Xeon PMU driver.

[0.072000] ... version: 0

[0.072000] ... bit width: 40

[0.072000] ... generic registers: 18

[0.072000] ... value mask: 000000ffffffff

[0.072000] ... max period: 0000007ffffffff

[0.072000] ... fixed-purpose events: 0

[0.072000] ... event mask: 000000000003ffff

[0.072000] x86: Booted up 1 node, 1 CPUs

[0.072000] smpboot: Total of 1 processors activated (6798.01 BogoMIPS)

[0.072000] devtmpfs: initialized

[0.072000] NMI watchdog: enabled on all CPUs, permanently consumes one hw-PMU counter.

[0.072000] PM: Registering ACPI NVS region [mem 0x5bfbe000-0x5bfdffff] (139264 bytes)

[0.072112] futex hash table entries: 256 (order: 2, 16384 bytes)

[0.074587] pinctrl core: initialized pinctrl subsystem

[0.074730] NET: Registered protocol family 16

[0.074996] cpuidle: using governor ladder

[0.075002] cpuidle: using governor menu

[0.075098] ACPI: bus type PCI registered

[0.075104] acpiphp: ACPI Hot Plug PCI Controller Driver version: 0.5

[0.075257] PCI: MMCONFIG for domain 0000 [bus 00-ff] at [mem 0xe0000000-0xffffffff] (base 0xe0000000)

[0.075263] PCI: not using MMCONFIG

[0.075403] PCI : PCI BIOS area is rw and x. Use pci=nobios if you want it NX.

[0.075514] PCI: PCI BIOS revision 3.00 entry at 0xf0031, last bus=3

[0.075517] PCI: Using configuration type 1 for base access

[0.077636] ACPI: Added _OSI(Module Device)

[0.077641] ACPI: Added _OSI(Processor Device)

[0.077645] ACPI: Added _OSI(3.0 _SCP Extensions)

[0.077648] ACPI: Added _OSI(Processor Aggregator Device)

[0.081705] ACPI: Executed 1 blocks of module-level executable AML code

[0.087119] ACPI: Interpreter enabled

[0.087144] ACPI Exception: AE_NOT_FOUND, While evaluating Sleep State [_S1_] (20140424/hwxface-580)

[0.087153] ACPI Exception: AE_NOT_FOUND, While evaluating Sleep State [_S2_] (20140424/hwxface-580)

[0.087183] ACPI: (supports S0 S3 S4 S5)

[0.087187] ACPI: Using PIC for interrupt routing

[0.087752] PCI: MMCONFIG for domain 0000 [bus 00-ff] at [mem 0xe0000000-0xffffffff] (base 0xe0000000)

[0.091410] PCI: MMCONFIG at [mem 0xe0000000-0xffffffff] reserved in ACPI motherboard resources

[0.091414] PCI: Using MMCONFIG for extended config space

[0.091448] PCI: Using host bridge windows from ACPI; if necessary, use "pci=nocrs" and report a bug

[0.106930] ACPI: PCI Root Bridge [PCI0] (domain 0000 [bus 00-ff])

[0.106943] acpi PNP0A03:00: _OSC: OS supports [ExtendedConfig ASPM ClockPM Segments MSI]

[0.106956] acpi PNP0A03:00: _OSC failed (AE_NOT_FOUND); disabling ASPM

[0.107522] PCI host bridge to bus 0000:00

[0.107530] pci_bus 0000:00: root bus resource [bus 00-ff]

[0.107535] pci_bus 0000:00: root bus resource [io 0x0000-0x0cf7]

[0.107540] pci_bus 0000:00: root bus resource [io 0x0d00-0xffff]

[0.107545] pci_bus 0000:00: root bus resource [mem 0x000a0000-0x000bffff]

[0.107549] pci_bus 0000:00: root bus resource [mem 0x000d0000-0x000dffff]

[0.107554] pci_bus 0000:00: root bus resource [mem 0x5c000000-0xffff7fff]

[0.107572] pci 0000:00:00.0: [1002:5a33] type 00 class 0x060000

[0.107760] pci 0000:00:01.0: [1002:5a3f] type 01 class 0x060400

[0.107963] pci 0000:00:05.0: [1002:5a37] type 01 class 0x060400

[0.108062] pci 0000:00:05.0: PME# supported from D0 D3hot D3cold

[0.108149] pci 0000:00:05.0: System wakeup disabled by ACPI

[0.108290] pci 0000:00:1a.0: [10b9:5249] type 01 class 0x060400

[0.108428] pci 0000:00:1a.0: System wakeup disabled by ACPI

[0.108526] pci 0000:00:1c.0: [10b9:5237] type 00 class 0x0c0310

[0.108550] pci 0000:00:1c.0: reg 0x10: [mem 0xbfffc000-0xbfffcfff]

[0.108691] pci 0000:00:1c.0: System wakeup disabled by ACPI

[0.108790] pci 0000:00:1c.1: [10b9:5237] type 00 class 0x0c0310

[0.108813] pci 0000:00:1c.1: reg 0x10: [mem 0xbfffd000-0xbfffdfff]

[0.108956] pci 0000:00:1c.1: System wakeup disabled by ACPI

[0.109050] pci 0000:00:1c.2: [10b9:5237] type 00 class 0x0c0310

[0.109072] pci 0000:00:1c.2: reg 0x10: [mem 0xbfffe000-0xbfffefff]

[0.109214] pci 0000:00:1c.2: System wakeup disabled by ACPI

[0.109320] pci 0000:00:1c.3: [10b9:5239] type 00 class 0x0c0320

[0.109352] pci 0000:00:1c.3: reg 0x10: [mem 0xbfffc000-0xbfffcfff]

[0.109478] pci 0000:00:1c.3: PME# supported from D0 D3hot D3cold

[0.109561] pci 0000:00:1c.3: System wakeup disabled by ACPI

[0.109672] pci 0000:00:1d.0: [10b9:5461] type 00 class 0x040300

[0.109708] pci 0000:00:1d.0: reg 0x10: [mem 0xbfff8000-0xbfffbfff 64bit]

[0.109812] pci 0000:00:1d.0: PME# supported from D0 D3hot D3cold

[0.109892] pci 0000:00:1d.0: System wakeup disabled by ACPI

[0.109991] pci 0000:00:1e.0: [10b9:1575] type 00 class 0x060100

[0.110236] pci 0000:00:1e.1: [10b9:7101] type 00 class 0x068000

[0.110319] pci 0000:00:1e.1: quirk: [io 0x4000-0x403f] claimed by ali7101 ACPI

[0.110487] pci 0000:00:1f.0: [10b9:5229] type 00 class 0x01018a

[0.110558] pci 0000:00:1f.0: reg 0x20: [io 0xff00-0xff0f]

[0.110587] pci 0000:00:1f.0: legacy IDE quirk: reg 0x10: [io 0x01f0-0x01f7]

[0.110592] pci 0000:00:1f.0: legacy IDE quirk: reg 0x14: [io 0x03f6]

[0.110596] pci 0000:00:1f.0: legacy IDE quirk: reg 0x18: [io 0x0170-0x0177]

[0.110600] pci 0000:00:1f.0: legacy IDE quirk: reg 0x1c: [io 0x0376]

[0.110796] pci 0000:00:1f.1: [10b9:5288] type 00 class 0x010601

[0.110825] pci 0000:00:1f.1: reg 0x10: [io 0xcc00-0xcc0f]

[0.110840] pci 0000:00:1f.1: reg 0x14: [io 0xc880-0xc887]

[0.110855] pci 0000:00:1f.1: reg 0x18: [io 0xc800-0xc80f]

[0.110869] pci 0000:00:1f.1: reg 0x1c: [io 0xc480-0xc487]

[0.110884] pci 0000:00:1f.1: reg 0x20: [io 0xc400-0xc41f]

[0.110899] pci 0000:00:1f.1: reg 0x24: [mem 0xbffff800-0xbffffbff]

[0.110963] pci 0000:00:1f.1: PME# supported from D3hot

[0.111210] pci 0000:01:05.0: [1002:5a61] type 00 class 0x030000

[0.111232] pci 0000:01:05.0: reg 0x10: [mem 0xa0000000-0xa7ffffff pref]

[0.111243] pci 0000:01:05.0: reg 0x14: [io 0xd000-0xd0ff]

[0.111254] pci 0000:01:05.0: reg 0x18: [mem 0xc0000000-0xc000ffff]

[0.111283] pci 0000:01:05.0: reg 0x30: [mem 0xdfee0000-0xdfefffff pref]

[0.111318] pci 0000:01:05.0: supports D1 D2

[0.111422] pci 0000:00:01.0: PCI bridge to [bus 01]

[0.111431] pci 0000:00:01.0: bridge window [io 0xd000-0xdfff]

[0.111438] pci 0000:00:01.0: bridge window [mem 0xc0000000-0xdfefffff]

[0.111444] pci 0000:00:01.0: bridge window [mem 0xa0000000-0xa7ffffff pref]

[0.111574] pci 0000:02:00.0: [10ec:8168] type 00 class 0x020000

[0.111605] pci 0000:02:00.0: reg 0x10: [io 0xe800-0xe8ff]

[0.111646] pci 0000:02:00.0: reg 0x18: [mem 0xdffff000-0xdfffffff 64bit]

[0.111692] pci 0000:02:00.0: reg 0x30: [mem 0xdffc0000-0xdffdffff pref]

[0.111819] pci 0000:02:00.0: supports D1 D2

[0.111824] pci 0000:02:00.0: PME# supported from D1 D2 D3hot D3cold

[0.111938] pci 0000:02:00.0: disabling ASPM on pre-1.1 PCIe device. You can enable it with 'pcie_aspm=force'

[0.111954] pci 0000:00:05.0: PCI bridge to [bus 02]
[0.111962] pci 0000:00:05.0: bridge window [io 0xe000-0xefff]
[0.111968] pci 0000:00:05.0: bridge window [mem 0xdff00000-0xdfffffff]
[0.112154] pci 0000:00:1a.0: PCI bridge to [bus 03]
[0.112188] pci_bus 0000:00: on NUMA node 0
[0.114271] ACPI: PCI Interrupt Link [LNKA] (IRQs 3 4 5 6 7 10 11 12 14 *15), disabled.
[0.114495] ACPI: PCI Interrupt Link [LNKB] (IRQs 3 4 5 6 7 10 *11 12 14 15)
[0.114720] ACPI: PCI Interrupt Link [LNKC] (IRQs *3 4 5 6 7 10 11 12 14 15)
[0.114943] ACPI: PCI Interrupt Link [LNKD] (IRQs 3 4 *5 6 7 10 11 12 14 15)
[0.115161] ACPI: PCI Interrupt Link [LNKE] (IRQs 3 4 *5 6 7 10 11 12 14 15), disabled.
[0.115382] ACPI: PCI Interrupt Link [LNKF] (IRQs 3 *4 5 6 7 10 11 12 14 15)
[0.115609] ACPI: PCI Interrupt Link [LNKG] (IRQs 3 4 5 6 *7 10 11 12 14 15)
[0.115826] ACPI: PCI Interrupt Link [LNKH] (IRQs 3 4 5 6 *7 10 11 12 14 15), disabled.
[0.116062] ACPI: PCI Interrupt Link [LNKP] (IRQs 3 4 5 6 7 *10 11 12 14 15)
[0.116375] vgaarb: setting as boot device: PCI:0000:01:05.0
[0.116382] vgaarb: device added: PCI:0000:01:05.0,decodes=io+mem,owns=io+mem,locks=None
[0.116385] vgaarb: loaded
[0.116388] vgaarb: bridge control possible 0000:01:05.0
[0.116507] PCI: Using ACPI for IRQ routing
[0.116513] PCI: pci_cache_line_size set to 64 bytes
[0.116576] Expanded resource reserved due to conflict with PCI Bus 0000:00
[0.116581] e820: reserve RAM buffer [mem 0x0009fc00-0x0009ffff]
[0.116586] e820: reserve RAM buffer [mem 0x5bfb0000-0x5bffffff]
[0.116903] amd_nb: Cannot enumerate AMD northbridges
[0.116929] Switched to clocksource refined-jiffies
[0.128834] pnp: PnP ACPI init
[0.128867] ACPI: bus type PNP registered
[0.129047] pnp 00:00: Plug and Play ACPI device, IDs PNP0b00 (active)
[0.130180] pnp 00:01: [dma 2]
[0.130297] pnp 00:01: Plug and Play ACPI device, IDs PNP0700 (active)
[0.131071] system 00:02: [io 0x028d-0x028e] has been reserved

[0.131078] system 00:02: [io 0x0480-0x048f] has been reserved
[0.131084] system 00:02: [io 0x04d0-0x04d1] has been reserved
[0.131090] system 00:02: [io 0x4000-0x40bf] could not be reserved
[0.131095] system 00:02: [io 0x40c0-0x40df] has been reserved
[0.131100] system 00:02: [io 0x0900-0x091f] has been reserved
[0.131107] system 00:02: [mem 0xfff80000-0xffffffff] has been reserved
[0.131113] system 00:02: [mem 0xffb00000-0xffbfffff] has been reserved
[0.131118] system 00:02: [mem 0xfef00000-0xfef0ffff] has been reserved
[0.131124] system 00:02: [mem 0xff6fe000-0xff6fefff] has been reserved
[0.131130] system 00:02: [mem 0xff6ff000-0xff6fffff] has been reserved
[0.131135] system 00:02: [mem 0xff780000-0xff7fffff] has been reserved
[0.131142] system 00:02: Plug and Play ACPI device, IDs PNP0c02 (active)
[0.131414] system 00:03: [mem 0xfec00000-0xfec0ffff] has been reserved
[0.131421] system 00:03: [mem 0xfef00000-0xfef0ffff] has been reserved
[0.131428] system 00:03: Plug and Play ACPI device, IDs PNP0c02 (active)
[0.132301] system 00:04: [io 0x0c00-0x0c0f] has been reserved
[0.132308] system 00:04: [io 0x0d00-0x0d0f] has been reserved
[0.132313] system 00:04: [io 0x0a20-0x0a2f] has been reserved
[0.132318] system 00:04: [io 0x0a30-0x0a3f] has been reserved
[0.132324] system 00:04: Plug and Play ACPI device, IDs PNP0c02 (active)
[0.132467] system 00:05: [mem 0xe0000000-0xefffffff] has been reserved
[0.132474] system 00:05: Plug and Play ACPI device, IDs PNP0c02 (active)
[0.132847] system 00:06: [mem 0x00000000-0x0009ffff] could not be reserved
[0.132854] system 00:06: [mem 0x000c0000-0x000cffff] could not be reserved
[0.132860] system 00:06: [mem 0x000e0000-0x000fffff] could not be reserved
[0.132865] system 00:06: [mem 0x00100000-0x5bffffff] could not be reserved
[0.132871] system 00:06: [mem 0xfff80000-0xffffffff] has been reserved
[0.132877] system 00:06: Plug and Play ACPI device, IDs PNP0c01 (active)
[0.133213] pnp: PnP ACPI: found 7 devices
[0.133217] ACPI: bus type PNP unregistered
[0.133228] PnPBIOS: Disabled by ACPI PNP

[0.171976] Switched to clocksource acpi_pm

[0.171976] pci 0000:00:01.0: PCI bridge to [bus 01]

[0.171976] pci 0000:00:01.0: bridge window [io 0xd000-0xdfff]

[0.171976] pci 0000:00:01.0: bridge window [mem 0xc0000000-0xdfefefff]

[0.171976] pci 0000:00:01.0: bridge window [mem 0xa0000000-0xfffffff pref]

[0.171976] pci 0000:00:05.0: PCI bridge to [bus 02]

[0.171976] pci 0000:00:05.0: bridge window [io 0xe000-0xefff]

[0.171976] pci 0000:00:05.0: bridge window [mem 0xdff00000-0xdfffffff]

[0.171976] pci 0000:00:1a.0: PCI bridge to [bus 03]

[0.171976] pci_bus 0000:00: resource 4 [io 0x0000-0x0cf7]

[0.171976] pci_bus 0000:00: resource 5 [io 0x0d00-0xffff]

[0.171976] pci_bus 0000:00: resource 6 [mem 0x000a0000-0x000bffff]

[0.171976] pci_bus 0000:00: resource 7 [mem 0x000d0000-0x000dffff]

[0.171976] pci_bus 0000:00: resource 8 [mem 0x5c000000-0xffff7fff]

[0.171976] pci_bus 0000:01: resource 0 [io 0xd000-0xdfff]

[0.171976] pci_bus 0000:01: resource 1 [mem 0xc0000000-0xdfefefff]

[0.171976] pci_bus 0000:01: resource 2 [mem 0xa0000000-0xfffffff pref]

[0.171976] pci_bus 0000:02: resource 0 [io 0xe000-0xefff]

[0.171976] pci_bus 0000:02: resource 1 [mem 0xdff00000-0xdfffffff]

[0.171976] NET: Registered protocol family 2

[0.171976] TCP established hash table entries: 8192 (order: 3, 32768 bytes)

[0.171976] TCP bind hash table entries: 8192 (order: 4, 65536 bytes)

[0.171976] TCP: Hash tables configured (established 8192 bind 8192)

[0.171976] TCP: reno registered

[0.171976] UDP hash table entries: 512 (order: 2, 16384 bytes)

[0.171976] UDP-Lite hash table entries: 512 (order: 2, 16384 bytes)

[0.171976] NET: Registered protocol family 1

[0.171976] pci 0000:00:00.0: MSI quirk detected; MSI disabled

[0.171976] pci 0000:00:01.0: MSI quirk detected; subordinate MSI disabled

[0.171976] ACPI: PCI Interrupt Link [LNKB] enabled at IRQ 11

[0.171976] PCI: setting IRQ 11 as level-triggered

[0.664501] ACPI: PCI Interrupt Link [LNKC] enabled at IRQ 3

[0.664506] PCI: setting IRQ 3 as level-triggered

[0.744489] ACPI: PCI Interrupt Link [LNKD] enabled at IRQ 5

[0.744493] PCI: setting IRQ 5 as level-triggered

[0.824487] ACPI: PCI Interrupt Link [LNKP] enabled at IRQ 10

[0.824492] PCI: setting IRQ 10 as level-triggered

[0.824600] PCI: CLS mismatch (64 != 512), using 64 bytes

[0.824610] pci 0000:01:05.0: Video device with shadowed ROM

[0.824727] Unpacking initramfs...

[1.409646] Freeing initrd memory: 14332K (f63f2000 - f71f1000)

[1.410011] microcode: CPU0 sig=0xf65, pf=0x4, revision=0x7

[1.410138] microcode: Microcode Update Driver: v2.00 <tigran@aivazian.fsnet.co.uk>, Peter Oruba

[1.410704] audit: initializing netlink subsys (disabled)

[1.410756] audit: type=2000 audit(1535102065.407:1): initialized

[1.411366] HugeTLB registered 2 MB page size, pre-allocated 0 pages

[1.411396] zbud: loaded

[1.411520] VFS: Disk quotas dquot_6.5.2

[1.411548] Dquot-cache hash table entries: 1024 (order 0, 4096 bytes)

[1.411664] msgmni has been set to 1730

[1.412325] alg: No test for stdrng (krng)

[1.412368] bounce: pool size: 64 pages

[1.412391] Block layer SCSI generic (bsg) driver version 0.4 loaded (major 252)

[1.412476] io scheduler noop registered

[1.412482] io scheduler deadline registered

[1.412545] io scheduler cfq registered (default)

[1.412882] pci_hotplug: PCI Hot Plug PCI Core version: 0.5

[1.412926] pciehp: PCI Express Hot Plug Controller Driver version: 0.4

[1.413034] GHES: HEST is not enabled!

[1.413079] isapnp: Scanning for PnP cards...

[1.767685] isapnp: No Plug & Play device found

[1.767817] Serial: 8250/16550 driver, 4 ports, IRQ sharing enabled

[1.768610] Linux agpgart interface v0.103

[1.768959] i8042: PNP: No PS/2 controller found. Probing ports directly.

[1.771280] serio: i8042 KBD port at 0x60,0x64 irq 1

[1.771293] serio: i8042 AUX port at 0x60,0x64 irq 12

[1.771566] mousedev: PS/2 mouse device common for all mice

[1.771681] rtc_cmos 00:00: RTC can wake from S4

[1.771883] rtc_cmos 00:00: rtc core: registered rtc_cmos as rtc0

[1.771916] rtc_cmos 00:00: alarms up to one month, 114 bytes nvram

[1.771948] ledtrig-cpu: registered to indicate activity on CPUs

[1.772895] TCP: cubic registered

[1.772921] NET: Registered protocol family 10

[1.773312] mip6: Mobile IPv6

[1.773320] NET: Registered protocol family 17

[1.773333] mpls_gso: MPLS GSO support

[1.773581] Using IPI No-Shortcut mode

[1.773811] registered taskstats version 1

[1.774364] rtc_cmos 00:00: setting system clock to 2018-08-24 09:14:26 UTC (1535102066)

[1.774463] PM: Hibernation image not present or could not be loaded.

[1.775258] Freeing unused kernel memory: 640K (c16b6000 - c1756000)

[1.775323] Write protecting the kernel text: 4812k

[1.775369] Write protecting the kernel read-only data: 1472k

[1.775372] NX-protecting the kernel data: 3380k

[1.796284] systemd-udevd[55]: starting version 215

[1.796915] random: systemd-udevd: uninitialized urandom read (16 bytes read, 0 bits of entropy available)

[1.859833] ACPI: bus type USB registered

[1.859902] usbcore: registered new interface driver usbfs

[1.859932] usbcore: registered new interface driver hub

[1.863849] FDC 0 is a post-1991 82077

[1.868945] r8169 Gigabit Ethernet driver 2.3LK-NAPI loaded

[1.868964] r8169 0000:02:00.0: can't disable ASPM; OS doesn't have ASPM control

[1.869610] r8169 0000:02:00.0 eth0: RTL8168b/8111b at 0xf7e08000, 00:17:31:45:82:d3, XID 10000000 IRQ 11

[1.869617] r8169 0000:02:00.0 eth0: jumbo features [frames: 4080 bytes, tx checksumming: ko]

[1.872759] ali1535_smbus 0000:00:1e.1: enabling device (0000 -> 0001)

[1.872773] ali1535_smbus 0000:00:1e.1: ALI1535_smb region uninitialized - upgrade BIOS?

[1.872778] ali1535_smbus 0000:00:1e.1: ALI1535 not detected, module not inserted.

[1.873179] ali15x3_smbus 0000:00:1e.1: ALI15X3_smb region uninitialized - upgrade BIOS or use force_addr=0xaddr

[1.873230] ali15x3_smbus 0000:00:1e.1: ALI15X3 not detected, module not inserted.

[1.873505] usbcore: registered new device driver usb

[1.874596] ehci_hcd: USB 2.0 'Enhanced' Host Controller (EHCI) Driver

[1.874895] ehci-pci: EHCI PCI platform driver

[1.875068] ehci-pci 0000:00:1c.3: EHCI Host Controller

[1.875084] ehci-pci 0000:00:1c.3: new USB bus registered, assigned bus number 1

[1.875106] ehci-pci 0000:00:1c.3: debug port 1

[1.875164] ehci-pci 0000:00:1c.3: irq 10, io mem 0xbfffc00

[1.875937] ohci_hcd: USB 1.1 'Open' Host Controller (OHCI) Driver

[1.881775] SCSI subsystem initialized

[1.884334] ehci-pci 0000:00:1c.3: USB 2.0 started, EHCI 1.00

[1.884446] usb usb1: New USB device found, idVendor=1d6b, idProduct=0002

[1.884452] usb usb1: New USB device strings: Mfr=3, Product=2, SerialNumber=1

[1.884457] usb usb1: Product: EHCI Host Controller

[1.884461] usb usb1: Manufacturer: Linux 3.16.0-6-686-pae ehci_hcd

[1.884465] usb usb1: SerialNumber: 0000:00:1c.3

[1.884769] hub 1-0:1.0: USB hub found

[1.884788] hub 1-0:1.0: 8 ports detected

[1.887324] ohci-pci: OHCI PCI platform driver

[1.887514] ohci-pci 0000:00:1c.0: OHCI PCI host controller

[1.887528] ohci-pci 0000:00:1c.0: new USB bus registered, assigned bus number 2

[1.887569] ohci-pci 0000:00:1c.0: irq 11, io mem 0xbfffc000

[1.896388] libata version 3.00 loaded.

[1.942184] usb usb2: New USB device found, idVendor=1d6b, idProduct=0001
[1.942193] usb usb2: New USB device strings: Mfr=3, Product=2, SerialNumber=1
[1.942198] usb usb2: Product: OHCI PCI host controller
[1.942202] usb usb2: Manufacturer: Linux 3.16.0-6-686-pae ohci_hcd
[1.942206] usb usb2: SerialNumber: 0000:00:1c.0
[1.942611] hub 2-0:1.0: USB hub found
[1.942633] hub 2-0:1.0: 3 ports detected
[1.943402] ACPI: PCI Interrupt Link [LNKF] enabled at IRQ 4
[1.943408] PCI: setting IRQ 4 as level-triggered
[1.953119] scsi0 : pata_ali
[1.955366] scsi1 : pata_ali
[1.955488] ata1: PATA max UDMA/133 cmd 0x1f0 ctl 0x3f6 bmdma 0xff00 irq 14
[1.955493] ata2: PATA max UDMA/133 cmd 0x170 ctl 0x376 bmdma 0xff08 irq 15
[1.955577] ahci 0000:00:1f.1: version 3.0
[1.955849] ahci 0000:00:1f.1: AHCI 0001.0000 32 slots 4 ports 3 Gbps 0xf impl SATA mode
[1.955857] ahci 0000:00:1f.1: flags: ncq sntf ilck pm led clo pmp pio slum part
[1.958385] scsi2 : ahci
[1.958705] scsi3 : ahci
[1.958994] scsi4 : ahci
[1.959280] scsi5 : ahci
[1.959414] ata3: SATA max UDMA/133 abar m1024@0xbffff800 port 0xbffff900 irq 4
[1.959420] ata4: SATA max UDMA/133 abar m1024@0xbffff800 port 0xbffff980 irq 4
[1.959425] ata5: SATA max UDMA/133 abar m1024@0xbffff800 port 0xbffffa00 irq 4
[1.959429] ata6: SATA max UDMA/133 abar m1024@0xbffff800 port 0xbffffa80 irq 4
[1.959797] ohci-pci 0000:00:1c.1: OHCI PCI host controller
[1.959813] ohci-pci 0000:00:1c.1: new USB bus registered, assigned bus number 3
[1.959852] ohci-pci 0000:00:1c.1: irq 3, io mem 0xbfffd000
[2.014105] usb usb3: New USB device found, idVendor=1d6b, idProduct=0001
[2.014112] usb usb3: New USB device strings: Mfr=3, Product=2, SerialNumber=1
[2.014116] usb usb3: Product: OHCI PCI host controller
[2.014121] usb usb3: Manufacturer: Linux 3.16.0-6-686-pae ohci_hcd

[2.014124] usb usb3: SerialNumber: 0000:00:1c.1

[2.014557] hub 3-0:1.0: USB hub found

[2.014577] hub 3-0:1.0: 3 ports detected

[2.014941] ohci-pci 0000:00:1c.2: OHCI PCI host controller

[2.014956] ohci-pci 0000:00:1c.2: new USB bus registered, assigned bus number 4

[2.014989] ohci-pci 0000:00:1c.2: irq 5, io mem 0xbfffe000

[2.070098] usb usb4: New USB device found, idVendor=1d6b, idProduct=0001

[2.070104] usb usb4: New USB device strings: Mfr=3, Product=2, SerialNumber=1

[2.070108] usb usb4: Product: OHCI PCI host controller

[2.070112] usb usb4: Manufacturer: Linux 3.16.0-6-686-pae ohci_hcd

[2.070116] usb usb4: SerialNumber: 0000:00:1c.2

[2.070521] hub 4-0:1.0: USB hub found

[2.070541] hub 4-0:1.0: 3 ports detected

[2.280047] ata6: SATA link down (SStatus 0 SControl 300)

[2.280104] ata5: SATA link down (SStatus 0 SControl 300)

[2.280138] ata4: SATA link down (SStatus 0 SControl 300)

[2.408034] tsc: Refined TSC clocksource calibration: 3399.033 MHz

[2.452041] ata3: SATA link up 3.0 Gbps (SStatus 123 SControl 300)

[2.453166] ata3.00: ATA-8: Hitachi HTS723280L9A362, FC10C30F, max UDMA/133

[2.453172] ata3.00: 156301488 sectors, multi 16: LBA48 NCQ (depth 31/32), AA

[2.454477] ata3.00: configured for UDMA/133

[2.454665] scsi 2:0:0:0: Direct-Access ATA Hitachi HTS72328 C30F PQ: 0 ANSI: 5

[2.466724] sd 2:0:0:0: [sda] 156301488 512-byte logical blocks: (80.0 GB/74.5 GiB)

[2.466844] sd 2:0:0:0: [sda] Write Protect is off

[2.466851] sd 2:0:0:0: [sda] Mode Sense: 00 3a 00 00

[2.466901] sd 2:0:0:0: [sda] Write cache: enabled, read cache: enabled, doesn't support DPO or FUA

[2.507171] sda: sda1 sda2 < sda5 >

[2.507846] sd 2:0:0:0: [sda] Attached SCSI disk

[2.509528] sd 2:0:0:0: Attached scsi generic sg0 type 0

[2.756041] usb 3-2: new low-speed USB device number 2 using ohci-pci

[2.968075] usb 3-2: New USB device found, idVendor=09da, idProduct=0006

[2.968082] usb 3-2: New USB device strings: Mfr=1, Product=2, SerialNumber=0

[2.968087] usb 3-2: Product: USB Optical Mouse

[2.968091] usb 3-2: Manufacturer: USB Optical Mouse

[2.992523] hidraw: raw HID events driver (C) Jiri Kosina

[2.999501] usbcore: registered new interface driver usbhid

[2.999506] usbhid: USB HID core driver

[3.164032] usb 2-1: new low-speed USB device number 2 using ohci-pci

[3.381081] usb 2-1: New USB device found, idVendor=2a7a, idProduct=9a18

[3.381090] usb 2-1: New USB device strings: Mfr=1, Product=2, SerialNumber=0

[3.381095] usb 2-1: Product: CASUE USB Keyboard

[3.381099] usb 2-1: Manufacturer: CASUE

[3.408103] Switched to clocksource tsc

[3.413667] input: CASUE CASUE USB Keyboard as /devices/pci0000:00/0000:00:1c.0/usb2/2-1/2-1:1.0/0003:2A7A:9A18.0002/input/input3

[3.415127] hid-generic 0003:2A7A:9A18.0002: input,hidraw0: USB HID v1.10 Keyboard [CASUE CASUE USB Keyboard] on usb-0000:00:1c.0-1/input0

[3.419267] input: CASUE CASUE USB Keyboard as /devices/pci0000:00/0000:00:1c.0/usb2/2-1/2-1:1.1/0003:2A7A:9A18.0003/input/input4

[3.419429] hid-generic 0003:2A7A:9A18.0003: input,hidraw1: USB HID v1.10 Device [CASUE CASUE USB Keyboard] on usb-0000:00:1c.0-1/input1

[3.437020] PM: Starting manual resume from disk

[3.437032] PM: Hibernation image partition 8:5 present

[3.437035] PM: Looking for hibernation image.

[3.437323] PM: Image not found (code -22)

[3.437329] PM: Hibernation image not present or could not be loaded.

[3.627586] EXT4-fs (sda1): mounted filesystem with ordered data mode. Opts: (null)

[4.368384] random: systemd: uninitialized urandom read (16 bytes read, 120 bits of entropy available)

[4.370552] systemd[1]: systemd 215 running in system mode. (+PAM +AUDIT +SELINUX +IMA +SYSVINIT +LIBCRYPTSETUP +GCRYPT +ACL +XZ -SECCOMP -APPARMOR)

[4.370826] systemd[1]: Detected architecture 'x86'.

[4.519756] random: nonblocking pool is initialized

[4.563356] systemd[1]: Inserted module 'autofs4'

[4.583214] systemd[1]: Set hostname to <linuxpc>.

[5.528612] systemd[1]: Cannot add dependency job for unit display-manager.service, ignoring: Unit display-manager.service failed to load: No such file or directory.

[5.529624] systemd[1]: Starting Forward Password Requests to Wall Directory Watch.

[5.529751] systemd[1]: Started Forward Password Requests to Wall Directory Watch.

[5.529781] systemd[1]: Starting Remote File Systems (Pre).

[5.529842] systemd[1]: Reached target Remote File Systems (Pre).

[5.529875] systemd[1]: Starting Encrypted Volumes.

[5.529899] systemd[1]: Reached target Encrypted Volumes.

[5.529947] systemd[1]: Starting Arbitrary Executable File Formats File System Automount Point.

[5.530220] systemd[1]: Set up automount Arbitrary Executable File Formats File System Automount Point.

[5.530263] systemd[1]: Starting Dispatch Password Requests to Console Directory Watch.

[5.530332] systemd[1]: Started Dispatch Password Requests to Console Directory Watch.

[5.530359] systemd[1]: Expecting device dev-disk-by\x2duuid-f0613ae0\x2d9a7d\x2d4851\x2d9a05\x2de930eac8b57a.device...

[5.530386] systemd[1]: Starting Root Slice.

[5.530441] systemd[1]: Created slice Root Slice.

[5.530467] systemd[1]: Starting User and Session Slice.

[5.530553] systemd[1]: Created slice User and Session Slice.

[5.530579] systemd[1]: Starting /dev/initctl Compatibility Named Pipe.

[5.530655] systemd[1]: Listening on /dev/initctl Compatibility Named Pipe.

[5.530680] systemd[1]: Starting Delayed Shutdown Socket.

[5.530737] systemd[1]: Listening on Delayed Shutdown Socket.

[5.530762] systemd[1]: Starting Journal Socket (/dev/log).

[5.530835] systemd[1]: Listening on Journal Socket (/dev/log).

[5.530868] systemd[1]: Starting udev Control Socket.

[5.530919] systemd[1]: Listening on udev Control Socket.

[5.530950] systemd[1]: Starting udev Kernel Socket.

[5.530997] systemd[1]: Listening on udev Kernel Socket.

[5.531025] systemd[1]: Starting Journal Socket.

[5.531098] systemd[1]: Listening on Journal Socket.

[5.531135] systemd[1]: Starting System Slice.

[5.531210] systemd[1]: Created slice System Slice.

[5.531246] systemd[1]: Started File System Check on Root Device.

[5.531268] systemd[1]: Starting system-getty.slice.

[5.531365] systemd[1]: Created slice system-getty.slice.

[5.531416] systemd[1]: Starting Increase datagram queue length...

[5.532391] systemd[1]: Starting Create list of required static device nodes for the current kernel...

[5.533208] systemd[1]: Mounting Huge Pages File System...

[5.545026] systemd[1]: Started Set Up Additional Binary Formats.

[5.545104] systemd[1]: Mounting POSIX Message Queue File System...

[5.546015] systemd[1]: Mounting Debug File System...

[5.546741] systemd[1]: Starting udev Coldplug all Devices...

[5.556832] systemd[1]: Starting Load Kernel Modules...

[5.557730] systemd[1]: Starting Slices.

[5.557773] systemd[1]: Reached target Slices.

[5.607487] systemd[1]: Started Create list of required static device nodes for the current kernel.

[5.608749] systemd[1]: Starting Create Static Device Nodes in /dev...

[5.772366] systemd[1]: Started Increase datagram queue length.

[5.772624] systemd[1]: Starting Syslog Socket.

[5.772708] systemd[1]: Listening on Syslog Socket.

[5.772742] systemd[1]: Starting Journal Service...

[5.773700] systemd[1]: Started Journal Service.

[6.418306] systemd-udevd[154]: starting version 215

[6.521729] lp: driver loaded but no devices found

[6.730613] ppdev: user-space parallel port driver

[7.666629] input: Power Button as
/devices/LNXSYSTEM:00/LNXXSYBUS:00/PNPOCOC:00/input/input5

[7.666642] ACPI: Power Button [PWRB]

[7.666771] input: Power Button as /devices/LNXSYSTEM:00/LNXPWRBN:00/input/input6

[7.666780] ACPI: Power Button [PWRF]

[7.940096] alim7101_wdt: Steve Hill <steve@navaho.co.uk>

[7.940113] alim7101_wdt: ALi 1543 South-Bridge not present - WDT not set

[7.955805] shpchp: Standard Hot Plug PCI Controller Driver version: 0.4

[8.016076] [drm] Initialized drm 1.1.0 20060810

[8.107898] input: PC Speaker as /devices/platform/pcspkr/input/input7

[8.287984] ACPI: PCI Interrupt Link [LNKG] enabled at IRQ 7

[8.287993] PCI: setting IRQ 7 as level-triggered

[8.288945] snd_hda_intel 0000:00:1d.0: position_fix set to 1 for device 1043:81b3

[8.295585] snd_hda_intel 0000:00:1d.0: CORB reset timeout#1, CORBRP = 0

[8.595464] [drm] radeon kernel modesetting enabled.

[8.596525] [drm] initializing kernel modesetting (RS400 0x1002:0x5A61 0x1043:0x819A).

[8.596553] [drm] register mmio base: 0xC0000000

[8.596557] [drm] register mmio size: 65536

[8.599658] [drm] Generation 2 PCI interface, using max accessible memory

[8.599669] radeon 0000:01:05.0: VRAM: 64M 0x000000005C000000 - 0x000000005FFFFFFF (64M used)

[8.599677] radeon 0000:01:05.0: GTT: 512M 0x0000000060000000 - 0x000000007FFFFFFF

[8.601055] [drm] Detected VRAM RAM=64M, BAR=128M

[8.601061] [drm] RAM width 128bits DDR

[8.601179] [TTM] Zone kernel: Available graphics memory: 443356 kiB

[8.601184] [TTM] Zone highmem: Available graphics memory: 743232 kiB

[8.601187] [TTM] Initializing pool allocator

[8.601199] [TTM] Initializing DMA pool allocator

[8.601238] [drm] radeon: 64M of VRAM memory ready

[8.601242] [drm] radeon: 512M of GTT memory ready.

[8.601267] [drm] GART: num cpu pages 131072, num gpu pages 131072

[8.627465] [drm] radeon: 4 quad pipes, 1 z pipes initialized.

[8.637509] [drm] PCIE GART of 512M enabled (table at 0x0000000034900000).

[8.637743] radeon 0000:01:05.0: WB enabled

[8.637753] radeon 0000:01:05.0: fence driver on ring 0 use gpu addr 0x0000000060000000 and cpu addr 0xf4872000

[8.637758] [drm] Supports vblank timestamp caching Rev 2 (21.10.2013).

[8.637760] [drm] Driver supports precise vblank timestamp query.

[8.637765] radeon 0000:01:05.0: radeon: MSI limited to 32-bit

[8.637782] [drm] radeon: irq initialized.

[8.637803] [drm] Loading R300 Microcode

[8.644548] input: USB Optical Mouse USB Optical Mouse as
/devices/pci0000:00/0000:00:1c.1/usb3/3-2/3-2:1.0/0003:09DA:0006.0001/input/input8

[8.645237] a4tech 0003:09DA:0006.0001: input,hidraw2: USB HID v1.10 Mouse [USB Optical
Mouse USB Optical Mouse] on usb-0000:00:1c.1-2/input0

[8.657368] radeon 0000:01:05.0: firmware: failed to load radeon/R300_cp.bin (-2)

[8.657452] radeon 0000:01:05.0: Direct firmware load failed with error -2

[8.657457] radeon 0000:01:05.0: Falling back to user helper

[8.802621] [drm:r100_cp_init] *ERROR* Failed to load firmware!

[8.802674] radeon 0000:01:05.0: failed initializing CP (-12).

[8.802714] radeon 0000:01:05.0: Disabling GPU acceleration

[8.802758] [drm] radeon: cp finalized

[8.805224] [drm] Radeon Display Connectors

[8.805230] [drm] Connector 0:

[8.805233] [drm] VGA-1

[8.805237] [drm] DDC: 0x68 0x68 0x68 0x68 0x68 0x68 0x68 0x68

[8.805240] [drm] Encoders:

[8.805242] [drm] CRT1: INTERNAL_DAC2

[8.805245] [drm] Connector 1:

[8.805247] [drm] SVIDEO-1

[8.805249] [drm] Encoders:

[8.805252] [drm] TV1: INTERNAL_DAC2

[8.841995] [drm] fb mappable at 0xA0040000

[8.842000] [drm] vram apper at 0xA0000000

[8.842003] [drm] size 5242880

[8.842006] [drm] fb depth is 24

[8.842008] [drm] pitch is 5120

[8.842212] fbcon: radeondrmfb (fb0) is primary device

[8.913072] Console: switching to colour frame buffer device 160x64

[8.920742] radeon 0000:01:05.0: fb0: radeondrmfb frame buffer device

[8.920747] radeon 0000:01:05.0: registered panic notifier

[8.920759] [drm] Initialized radeon 2.39.0 20080528 for 0000:01:05.0 on minor 0

[8.951408] sound hdaudioC0D0: autoconfig: line_outs=1 (0x1b/0x0/0x0/0x0/0x0) type:line

[8.951417] sound hdaudioC0D0: speaker_outs=0 (0x0/0x0/0x0/0x0/0x0)

[8.951422] sound hdaudioC0D0: hp_outs=1 (0x1a/0x0/0x0/0x0/0x0)

[8.951426] sound hdaudioC0D0: mono: mono_out=0x0

[8.951431] sound hdaudioC0D0: dig-out=0x25/0x0

[8.951434] sound hdaudioC0D0: inputs:

[8.951440] sound hdaudioC0D0: Rear Mic=0x1d

[8.951445] sound hdaudioC0D0: Front Mic=0x1f

[8.951449] sound hdaudioC0D0: Line=0x1c

[8.951454] sound hdaudioC0D0: CD=0x22

[8.951458] sound hdaudioC0D0: Aux=0x21

[8.972415] EXT4-fs (sda1): re-mounted. Opts: errors=remount-ro

[8.975132] input: HDA Digital PCBeep as
/devices/pci0000:00/0000:00:1d.0/sound/card0/hdaudioC0D0/input9

[8.980608] input: HDA ULI M5461 Rear Mic as
/devices/pci0000:00/0000:00:1d.0/sound/card0/input10

[8.982155] input: HDA ULI M5461 Front Mic as
/devices/pci0000:00/0000:00:1d.0/sound/card0/input11

[8.983450] input: HDA ULI M5461 Line as /devices/pci0000:00/0000:00:1d.0/sound/card0/input12

[8.985557] input: HDA ULI M5461 Line Out as
/devices/pci0000:00/0000:00:1d.0/sound/card0/input13

[8.988209] input: HDA ULI M5461 Front Headphone as
/devices/pci0000:00/0000:00:1d.0/sound/card0/input14

[9.380668] systemd-journal[145]: Received request to flush runtime journal from PID 1

[9.760817] Adding 3010556k swap on /dev/sda5. Priority:-1 extents:1 across:3010556k FS

[10.217344] r8169 0000:02:00.0 eth0: link down

[10.217365] r8169 0000:02:00.0 eth0: link down

[10.217409] IPv6: ADDRCONF(NETDEV_UP): eth0: link is not ready

[11.085613] RPC: Registered named UNIX socket transport module.

[11.085621] RPC: Registered udp transport module.

[11.085623] RPC: Registered tcp transport module.
[11.085626] RPC: Registered tcp NFSv4.1 backchannel transport module.
[11.123165] FS-Cache: Loaded
[11.153498] FS-Cache: Netfs 'nfs' registered for caching
[11.229387] Installing knfsd (copyright (C) 1996 okir@monad.swb.de).
[12.256474] r8169 0000:02:00.0 eth0: link up
[12.256496] IPv6: ADDRCONF(NETDEV_CHANGE): eth0: link becomes ready
[3070.580989] usb 3-2: USB disconnect, device number 2