

Re: 2.6.19 and up to 2.6.20-rc2 Ethernet problems x86_64

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2007-01/msg00467.html>

- *From:* Sid Boyce <g3vbv@xxxxxxxxxxxxxxxxxxxx>
 - *Date:* Tue, 02 Jan 2007 22:57:17 +0000
-

Len Brown wrote:

On Tuesday 02 January 2007 10:41, Sid Boyce wrote:

Same problem with 2.6.19-rc3.

Do you mean 2.6.20-rc3 still does not work?

What was the last kernel that worked properly with no cmdline parameters?

That's correct, same problem with 2.6.20-rc3. Last worked with 2.6.19-rc6-git12, so it was 2.6.19 where it failed.

Apologies for the long spiel, if memory serves me correct, gzip'd attachments are verboten.

Bugzilla may be a good place to put more information.

If the system fails in ACPI mode, but works in non-ACPI mode, then please file a bug here:

http://bugzilla.kernel.org/enter_bug.cgi?product=ACPI

Will do.

and attach the complete dmesg -s64000 for the last working, plus failing kernel -- along with /proc/interrupts for both, and a single copy of lspci -vv output.

openSUSE 10.2

Network does not get configured with "acpi=noirq" or "acpi=off".

Do you mean it does not work when running in ACPI mode, but it does

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work correctly if you boot with "acpi=noirq" or "acpi=off"?

If so, please include the dmesg -s64000 and /proc/interrupts for the acpi=off case also.

Attaching both case1 normal, case2 acpi=noirq. With acpi=noirq ethernet doesn't get configured, route -n says it's an Unsupported operation, ifconfig only shows for localhost, ifconfig eth0 192.168.10.5 also complains of a config error.

Nothing jumps out as incorrect with the ACPI IRQ routing below.

Maybe somebody who knows about the tg3 can suggest what the error messages mean and if they are related to interrupt problems, or perhaps something else like IO resource issues?

-Len

It's just not a tg3 problem, the problem is also on nVidia Corporation MCP51 Ethernet Controller (rev a1) - tg3 for the 64-bit laptop and MCP51 on the 64x2 box, tg3 and forcedeth drivers respectively.

There may be something in dmesg that allows further analysis of the problem.

00:0a:e4:4e:a1:42 is the laptop MAC address.

00:48:54:d0:22:f0 is the firewall box

00:50:22:40:0f:d2 is a local box

Some things in dmesg which look decidedly strange when compared to what is seen with 2.6.18.2-34, two mac addresses strung together with an additional :08:00. I'm guessing here, this may be normal but I haven't seen such before.

Linux version 2.6.20-rc1-git7-default (root@Boycie) (gcc version 4.1.2 20061115 (prerelease) (SUSE Linux)) #4 SMP Wed Dec 20 01:17:23 GMT 2006

Command line: root=/dev/hda1 vga=0x317 resume=/dev/hda2 splash=silent 3

BIOS-provided physical RAM map:

BIOS-e820: 0000000000000000 - 000000000009f800 (usable)

BIOS-e820: 000000000009f800 - 00000000000a0000 (reserved)

BIOS-e820: 00000000000d8000 - 0000000000100000 (reserved)

BIOS-e820: 0000000000100000 - 000000001fef0000 (usable)

BIOS-e820: 000000001fef0000 - 000000001fefb000 (ACPI data)

BIOS-e820: 000000001fefb000 - 000000001ff00000 (ACPI NVS)

BIOS-e820: 000000001ff00000 - 0000000020000000 (reserved)

BIOS-e820: 00000000fffe0000 - 0000000100000000 (reserved)

Entering add_active_range(0, 0, 159) 0 entries of 3200 used

Entering add_active_range(0, 256, 130800) 1 entries of 3200 used

end_pfn_map = 1048576

DMI 2.3 present.

ACPI: RSDP (v000 PTLTD) @ 0x000000000000f68c0

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```
ACPI: RSDT (v001 PTLTD RSDT 0x06040000 LTP 0x00000000) @
0x000000001fef5d48
ACPI: FADT (v002 AMDK8 PTLTW 0x06040000 PTL_ 0x000f4240) @
0x000000001fefae56
ACPI: SSDT (v001 PTLTD POWERNOW 0x06040000 LTP 0x00000001)
@ 0x000000001fefaeda
ACPI: MADT (v001 PTLTD APIC 0x06040000 LTP 0x00000000) @
0x000000001fefafb0
ACPI: DSDT (v001 VIA PTL_ACPI 0x06040000 MSFT 0x0100000e) @
0x0000000000000000
Scanning NUMA topology in Northbridge 24
Number of nodes 1
Node 0 MemBase 0000000000000000 Limit 000000001fef0000
Entering add_active_range(0, 0, 159) 0 entries of 3200 used
Entering add_active_range(0, 256, 130800) 1 entries of 3200 used
NUMA: Using 63 for the hash shift.
Using node hash shift of 63
Bootmem setup node 0 0000000000000000-000000001fef0000
Zone PFN ranges:
DMA 0 -> 4096
DMA32 4096 -> 1048576
Normal 1048576 -> 1048576
early_node_map[2] active PFN ranges
0: 0 -> 159
0: 256 -> 130800
On node 0 totalpages: 130703
DMA zone: 56 pages used for memmap
DMA zone: 1183 pages reserved
DMA zone: 2760 pages, LIFO batch:0
DMA32 zone: 1732 pages used for memmap
DMA32 zone: 124972 pages, LIFO batch:31
Normal zone: 0 pages used for memmap
ACPI: PM-Timer IO Port: 0x4008
ACPI: Local APIC address 0xfe00000
ACPI: LAPIC (acpi_id[0x00] lapic_id[0x00] enabled)
Processor #0 (Bootup-CPU)
ACPI: LAPIC_NMI (acpi_id[0x00] high edge lint[0x1])
ACPI: IOAPIC (id[0x01] address[0xfec00000] gsi_base[0])
IOAPIC[0]: apic_id 1, address 0xfec00000, GSI 0-23
ACPI: INT_SRC_OVR (bus 0 bus_irq 0 global_irq 2 high edge)
ACPI: IRQ0 used by override.
ACPI: IRQ2 used by override.
ACPI: IRQ9 used by override.
Setting APIC routing to physical flat
Using ACPI (MADT) for SMP configuration information
Nosave address range: 000000000009f000 - 00000000000a0000
Nosave address range: 00000000000a0000 - 00000000000d8000
Nosave address range: 00000000000d8000 - 0000000000100000
Allocating PCI resources starting at 30000000 (gap: 20000000:dffe0000)
SMP: Allowing 1 CPUs, 0 hotplug CPUs
PERCPU: Allocating 49664 bytes of per cpu data
```

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```
Built 1 zonelists. Total pages: 127732
Kernel command line: root=/dev/hda1 vga=0x317 resume=/dev/hda2
splash=silent 3
Initializing CPU#0
PID hash table entries: 2048 (order: 11, 16384 bytes)
Console: colour dummy device 80x25
Dentry cache hash table entries: 65536 (order: 7, 524288 bytes)
Inode-cache hash table entries: 32768 (order: 6, 262144 bytes)
Checking aperture...
CPU 0: aperture @ e0000000 size 256 MB
Memory: 507156k/523200k available (1948k kernel code, 15656k reserved,
950k data, 324k init)
Calibrating delay using timer specific routine.. 3591.92 BogoMIPS
(lpj=1795961)
Security Framework v1.0.0 initialized
Mount-cache hash table entries: 256
CPU: L1 I Cache: 64K (64 bytes/line), D cache 64K (64 bytes/line)
CPU: L2 Cache: 1024K (64 bytes/line)
CPU 0/0 -> Node 0
SMP alternatives: switching to UP code
Freeing SMP alternatives: 28k freed
ACPI: Core revision 20060707
Using local APIC timer interrupts.
result 12464666
Detected 12.464 MHz APIC timer.
Brought up 1 CPUs
testing NMI watchdog ... OK.
time.c: Using 3.579545 MHz WALL PM GTOD PIT/TSC timer.
time.c: Detected 1794.911 MHz processor.
NET: Registered protocol family 16
ACPI: bus type pci registered
PCI: Using configuration type 1
ACPI: Interpreter enabled
ACPI: Using IOAPIC for interrupt routing
ACPI: PCI Root Bridge [PCI0] (0000:00)
PCI: Probing PCI hardware (bus 00)
PCI quirk: region 4000-407f claimed by vt8235 PM
PCI quirk: region 8100-810f claimed by vt8235 SMB
Boot video device is 0000:01:00.0
ACPI: PCI Interrupt Routing Table [_SB_.PCI0._PRT]
ACPI: PCI Interrupt Link [ALKA] (IRQs 16 17 18 19 20 21 22 23) *9,
disabled.
ACPI: PCI Interrupt Link [ALKB] (IRQs 16 17 18 19 20 21 22 23) *10,
disabled.
ACPI: PCI Interrupt Link [ALKC] (IRQs 22) *11, disabled.
ACPI: PCI Interrupt Link [ALKD] (IRQs 21) *10, disabled.
ACPI: PCI Interrupt Link [LNKA] (IRQs 3 4 5 7 *9 12 14 15)
ACPI: PCI Interrupt Link [LNKB] (IRQs 3 4 5 7 *10 12 14 15)
ACPI: PCI Interrupt Link [LNKC] (IRQs 3 4 5 7 *11 12 14 15)
ACPI: PCI Interrupt Link [LNKD] (IRQs 3 4 5 7 9 *10 11 12 14 15)
Linux Plug and Play Support v0.97 (c) Adam Belay
```

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pnp: PnP ACPI init
pnp: PnP ACPI: found 13 devices
PCI: Using ACPI for IRQ routing
PCI: If a device doesn't work, try "pci=routeirq". If it helps, post a report
PCI: Cannot allocate resource region 0 of device 0000:00:00.0
agpgart: Detected AGP bridge 0
agpgart: AGP aperture is 256M @ 0xe0000000
pnp: 00:06: ioport range 0x600-0x60f has been reserved
pnp: 00:06: ioport range 0x1c0-0x1cf has been reserved
pnp: 00:06: ioport range 0x4d0-0x4d1 has been reserved
pnp: 00:06: ioport range 0xfe10-0xfe11 could not be reserved
PCI: Bridge: 0000:00:01.0
IO window: 2000-2fff
MEM window: d0100000-d01fffff
PREFETCH window: d8000000-dfffffff
PCI: Bus 2, cardbus bridge: 0000:00:0b.0
IO window: 00001c00-00001cff
IO window: 00003000-000030ff
PREFETCH window: 30000000-31ffffff
MEM window: 32000000-33ffffff
PCI: Bus 6, cardbus bridge: 0000:00:0b.1
IO window: 00003400-000034ff
IO window: 00003800-000038ff
PREFETCH window: 34000000-35ffffff
MEM window: 36000000-37ffffff
PCI: Setting latency timer of device 0000:00:01.0 to 64
ACPI: PCI Interrupt 0000:00:0b.0[A] -> GSI 17 (level, low) -> IRQ 17
PCI: Setting latency timer of device 0000:00:0b.0 to 64
PCI: Enabling device 0000:00:0b.1 (0000 -> 0003)
ACPI: PCI Interrupt 0000:00:0b.1[B] -> GSI 18 (level, low) -> IRQ 18
PCI: Setting latency timer of device 0000:00:0b.1 to 64
NET: Registered protocol family 2
IP route cache hash table entries: 4096 (order: 3, 32768 bytes)
TCP established hash table entries: 16384 (order: 6, 262144 bytes)
TCP bind hash table entries: 8192 (order: 5, 131072 bytes)
TCP: Hash tables configured (established 16384 bind 8192)
TCP reno registered
checking if image is initramfs... it is
Freeing initrd memory: 2885k freed
audit: initializing netlink socket (disabled)
audit(1166585213.510:1): initialized
Total HugeTLB memory allocated, 0
VFS: Disk quotas dquot_6.5.1
Dquot-cache hash table entries: 512 (order 0, 4096 bytes)
io scheduler noop registered
io scheduler anticipatory registered
io scheduler deadline registered
io scheduler cfq registered (default)
vesafb: framebuffer at 0xd8000000, mapped to 0xffffc20000180000, using
3072k, total 65536k
vesafb: mode is 1024x768x16, linelength=2048, pages=41

```
vesafb: scrolling: redraw
vesafb: Truecolor: size=0:5:6:5, shift=0:11:5:0
Console: switching to colour frame buffer device 128x48
fb0: VESA VGA frame buffer device
Real Time Clock Driver v1.12ac
Non-volatile memory driver v1.2
Linux agpgart interface v0.101 (c) Dave Jones
Serial: 8250/16550 driver $Revision: 1.90 $ 4 ports, IRQ sharing disabled
serial8250: ttyS1 at I/O 0x2f8 (irq = 3) is a 16550A
RAMDISK driver initialized: 16 RAM disks of 128000K size 1024 blocksize
PNP: PS/2 Controller [PNP0303:PS2K,PNP0f13:PS2M] at 0x60,0x64 irq
1,12
i8042.c: Detected active multiplexing controller, rev 1.1.
serio: i8042 KBD port at 0x60,0x64 irq 1
serio: i8042 AUX0 port at 0x60,0x64 irq 12
serio: i8042 AUX1 port at 0x60,0x64 irq 12
serio: i8042 AUX2 port at 0x60,0x64 irq 12
serio: i8042 AUX3 port at 0x60,0x64 irq 12
mice: PS/2 mouse device common for all mice
input: AT Translated Set 2 keyboard as /class/input/input0
input: PC Speaker as /class/input/input1
Synaptics Touchpad, model: 1, fw: 5.8, id: 0x9248b1, caps:
0x904713/0x4000
input: SynPS/2 Synaptics TouchPad as /class/input/input2
NET: Registered protocol family 1
ACPI: (supports S0 S3 S4 S5)
Freeing unused kernel memory: 324k freed
Uniform Multi-Platform E-IDE driver Revision: 7.00alpha2
ide: Assuming 33MHz system bus speed for PIO modes; override with
idebus=xx
ACPI: Thermal Zone [THRS] (53 C)
ACPI: Thermal Zone [THRC] (78 C)
VP_IDE: IDE controller at PCI slot 0000:00:11.1
ACPI: Unable to derive IRQ for device 0000:00:11.1
Losing some ticks... checking if CPU frequency changed.
ACPI: PCI Interrupt 0000:00:11.1[A]: no GSI
VP_IDE: chipset revision 6
VP_IDE: not 100% native mode: will probe irqs later
VP_IDE: VIA vt8235 (rev 00) IDE UDMA133 controller on pci0000:00:11.1
ide0: BM-DMA at 0x1000-0x1007, BIOS settings: hda:DMA, hdb:pio
ide1: BM-DMA at 0x1008-0x100f, BIOS settings: hdc:DMA, hdd:pio
Probing IDE interface ide0...
hda: WDC WD800VE-07HDT0, ATA DISK drive
ide0 at 0x1f0-0x1f7,0x3f6 on irq 14
hda: max request size: 128KiB
hda: 156301488 sectors (80026 MB) w/8192KiB Cache, CHS=65535/16/63,
UDMA(100)
hda: cache flushes supported
hda: hda1 hda2
Probing IDE interface ide1...
hdc: _NEC DVD_RW ND-6750A, ATAPI CD/DVD-ROM drive
```

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```
ide1 at 0x170-0x177,0x376 on irq 15
BIOS EDD facility v0.16 2004-Jun-25, 1 devices found
Attempting manual resume
ReiserFS: hda1: found reiserfs format "3.6" with standard journal
ReiserFS: hda1: using ordered data mode
ReiserFS: hda1: journal params: device hda1, size 8192, journal first block
18, max trans len 1024, max batch 900, max commit age 30, max trans age
30
ReiserFS: hda1: checking transaction log (hda1)
ReiserFS: hda1: Using r5 hash to sort names
NET: Registered protocol family 23
usbcore: registered new interface driver usbfs
usbcore: registered new interface driver hub
usbcore: registered new device driver usb
Yenta: CardBus bridge found at 0000:00:0b.0 [1025:0046]
USB Universal Host Controller Interface driver v3.0
ieee1394: Initialized config rom entry `ip1394'
Yenta: ISA IRQ mask 0x00b8, PCI irq 17
Socket status: 30000410
Yenta: CardBus bridge found at 0000:00:0b.1 [1025:0046]
Yenta: ISA IRQ mask 0x00b8, PCI irq 18
Socket status: 30000820
ACPI: PCI Interrupt 0000:00:10.0[A] -> GSI 21 (level, low) -> IRQ 21
uhci_hcd 0000:00:10.0: UHCI Host Controller
uhci_hcd 0000:00:10.0: new USB bus registered, assigned bus number 1
uhci_hcd 0000:00:10.0: irq 21, io base 0x00001020
usb usb1: configuration #1 chosen from 1 choice
hub 1-0:1.0: USB hub found
hub 1-0:1.0: 2 ports detected
ACPI: PCI Interrupt 0000:00:10.1[B] -> GSI 21 (level, low) -> IRQ 21
uhci_hcd 0000:00:10.1: UHCI Host Controller
uhci_hcd 0000:00:10.1: new USB bus registered, assigned bus number 2
uhci_hcd 0000:00:10.1: irq 21, io base 0x00001040
usb usb2: configuration #1 chosen from 1 choice
hub 2-0:1.0: USB hub found
hub 2-0:1.0: 2 ports detected
ACPI: PCI Interrupt 0000:00:10.2[C] -> GSI 21 (level, low) -> IRQ 21
uhci_hcd 0000:00:10.2: UHCI Host Controller
uhci_hcd 0000:00:10.2: new USB bus registered, assigned bus number 3
uhci_hcd 0000:00:10.2: irq 21, io base 0x00001060
usb usb3: configuration #1 chosen from 1 choice
pccard: PCMCIA card inserted into slot 0
hub 3-0:1.0: USB hub found
hub 3-0:1.0: 2 ports detected
usb 1-2: new full speed USB device using uhci_hcd and address 2
nsc-ircc, chip->init
nsc-ircc, Found chip at base=0x02e
nsc-ircc, driver loaded (Dag Brattli)
ACPI: PCI Interrupt 0000:00:10.3[D] -> GSI 21 (level, low) -> IRQ 21
ehci_hcd 0000:00:10.3: EHCI Host Controller
ehci_hcd 0000:00:10.3: new USB bus registered, assigned bus number 4
```

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ehci_hcd 0000:00:10.3: irq 21, io mem 0xd0000800
ehci_hcd 0000:00:10.3: USB 2.0 started, EHCI 1.00, driver 10 Dec 2004
usb usb4: configuration #1 chosen from 1 choice
hub 4-0:1.0: USB hub found
hub 4-0:1.0: 6 ports detected
nsc_ircc_open(), can't get iobase of 0x2f8
nsc-ircc, Found chip at base=0x02e
nsc-ircc, driver loaded (Dag Brattli)
nsc_ircc_open(), can't get iobase of 0x2f8
pnp: Device 00:0a disabled.
pcard: CardBus card inserted into slot 1
ACPI: PCI Interrupt 0000:00:0b.2[C] -> GSI 19 (level, low) -> IRQ 19
ohci1394: fw-host0: OHCI-1394 1.0 (PCI): IRQ=[19]
MMIO=[d0000000-d00007ff] Max Packet=[2048] IR/IT contexts=[4/4]

tg3.c:v3.71 (December 15, 2006)
ACPI: PCI Interrupt 0000:00:0c.0[A] -> GSI 20 (level, low) -> IRQ 20
eth0: Tigon3 [partno(BCM95705A50) rev 3003 PHY(5705)]
(PCI:33MHz:32-bit) 10/100/1000Base-T Ethernet 00:0a:e4:4e:a1:42

eth0: RXcsums[1] LinkChgREG[0] MIrq[0] ASF[0] Split[0] WireSpeed[0]
TSOcap[1]
eth0: dma_rwctrl[763f0000] dma_mask[32-bit]
ACPI: PCI Interrupt 0000:00:11.5[C] -> GSI 22 (level, low) -> IRQ 22
PCI: Setting latency timer of device 0000:00:11.5 to 64
hdc: ATAPI 24X DVD-ROM DVD-R CD-R/RW drive, 2048kB Cache,
UDMA(33)
Uniform CD-ROM driver Revision: 3.20
usb 1-2: device not accepting address 2, error -71
parport: PnPBIOS parport detected.
parport0: PC-style at 0x378 (0x778), irq 7, dma 3
[PCSP,TRISTATE,COMPAT,ECP,DMA]
wbsd: Winbond W83L51xD SD/MMC card interface driver, 1.6
wbsd: Copyright(c) Pierre Ossman
mmc0: W83L51xD id 7112 at 0x820 irq 10 FIFO PnP
ieee1394: Host added: ID:BUS[0-00:1023] GUID[000ae404061046b5]
cs: memory probe 0x0c0000-0x0fffff: excluding 0xc0000-0xd3fff
0xd8000-0xdfff 0xe4000-0xffff
cs: memory probe 0x60000000-0x60fffff: clean.
cs: memory probe 0xa0000000-0xa0fffff: clean.
pcmcia: registering new device pcmcia0.0
usb 1-2: new full speed USB device using uhci_hcd and address 4
pcmcia: request for exclusive IRQ could not be fulfilled.
pcmcia: the driver needs updating to supported shared IRQ lines.
0.0: ttyS0 at I/O 0x3f8 (irq = 17) is a 16550A
usb 1-2: configuration #1 chosen from 1 choice
Bluetooth: Core ver 2.11
NET: Registered protocol family 31
Bluetooth: HCI device and connection manager initialized
Bluetooth: HCI socket layer initialized
usb 3-1: new full speed USB device using uhci_hcd and address 2

```
Bluetooth: HCI USB driver ver 2.9
usb 3-1: configuration #1 chosen from 1 choice
hub 3-1:1.0: USB hub found
hub 3-1:1.0: 4 ports detected
usb 3-2: new low speed USB device using uhci_hcd and address 3
usb 3-2: configuration #1 chosen from 1 choice
usbcore: registered new interface driver hci_usb
usb 2-1: new full speed USB device using uhci_hcd and address 2
usb 2-1: configuration #1 chosen from 1 choice
usb 3-1.3: new full speed USB device using uhci_hcd and address 4
Bluetooth: L2CAP ver 2.8
Bluetooth: L2CAP socket layer initialized
usb 3-1.3: not running at top speed; connect to a high speed hub
Bluetooth: HIDP (Human Interface Emulation) ver 1.1
usb 3-1.3: configuration #1 chosen from 1 choice
usbcore: registered new interface driver hiddev
input: Acrox USB & PS/2 Mouse as /class/input/input3
input: USB HID v1.10 Mouse [Acrox USB & PS/2 Mouse] on
usb-0000:00:10.2-2
usbcore: registered new interface driver usbhid
drivers/usb/input/hid-core.c: v2.6:USB HID core driver
usbcore: registered new interface driver usbserial
drivers/usb/serial/usb-serial.c: USB Serial support registered for generic
usbcore: registered new interface driver usbserial_generic
drivers/usb/serial/usb-serial.c: USB Serial Driver core
drivers/usb/serial/usb-serial.c: USB Serial support registered for pl2303
pl2303 2-1:1.0: pl2303 converter detected
usb 2-1: pl2303 converter now attached to ttyUSB0
usbcore: registered new interface driver pl2303
drivers/usb/serial/pl2303.c: Prolific PL2303 USB to serial adaptor driver
SCSI subsystem initialized
Initializing USB Mass Storage driver...
scsi0 : SCSI emulation for USB Mass Storage devices
usb-storage: device found at 4
usb-storage: waiting for device to settle before scanning
usbcore: registered new interface driver usb-storage
Bluetooth: RFCOMM socket layer initialized
Bluetooth: RFCOMM TTY layer initialized
Bluetooth: RFCOMM ver 1.8
USB Mass Storage support registered.
Bluetooth: BNEP (Ethernet Emulation) ver 1.2
Bluetooth: BNEP filters: protocol multicast
Adding 3931696k swap on /dev/hda2. Priority:-1 extents:1 across:3931696k
device-mapper: ioctl: 4.11.0-ioctl (2006-10-12) initialised:
dm-devel@xxxxxxxxxxx
loop: loaded (max 8 devices)
scsi 0:0:0:0: Direct-Access Maxtor 6 Y120L0 YAR4 PQ: 0 ANSI: 0
usb-storage: device scan complete
SCSI device sda: 240121728 512-byte hdwr sectors (122942 MB)
sda: Write Protect is off
sda: Mode Sense: 03 00 00 00
```

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```
sda: assuming drive cache: write through
SCSI device sda: 240121728 512-byte hdwr sectors (122942 MB)
sda: Write Protect is off
sda: Mode Sense: 03 00 00 00
sda: assuming drive cache: write through
sda: sda1 sda2
sd 0:0:0:0: Attached scsi disk sda
sd 0:0:0:0: Attached scsi generic sg0 type 0
Adding 1550264k swap on /dev/sda2. Priority:-2 extents:1 across:1550264k
NET: Registered protocol family 10
lo: Disabled Privacy Extensions
ip6_tables: (C) 2000-2006 Netfilter Core Team
ip_tables: (C) 2000-2006 Netfilter Core Team
ACPI: AC Adapter [AC] (on-line)
ACPI: Battery Slot [BAT0] (battery present)
ACPI: Power Button (FF) [PWRF]
ACPI: Lid Switch [LID]
ACPI: Sleep Button (CM) [SLPB]
powernow-k8: Found 1 AMD Athlon(tm) 64 Processor 3000+ processors
(version 2.00.00)
powernow-k8: 0 : fid 0xa (1800 MHz), vid 0x2
powernow-k8: 1 : fid 0x8 (1600 MHz), vid 0x6
powernow-k8: 2 : fid 0x0 (800 MHz), vid 0x12
ttyS1: LSR safety check engaged!
audit(1166585256.326:2): audit_pid=2996 old=0 by auid=4294967295
PM: Writing back config space on device 0000:00:0c.0 at offset b (was
3ed173b, writing 461025)
PM: Writing back config space on device 0000:00:0c.0 at offset 3 (was 0,
writing 4010)
PM: Writing back config space on device 0000:00:0c.0 at offset 2 (was
2000000, writing 2000003)
PM: Writing back config space on device 0000:00:0c.0 at offset 1 (was
2b00000, writing 2b00006)
PM: Writing back config space on device 0000:00:0c.0 at offset 0 (was
3ed173b, writing 169c14e4)
ADDRCONF(NETDEV_UP): eth0: link is not ready
NET: Registered protocol family 17
tg3: eth0: Link is up at 100 Mbps, full duplex.
tg3: eth0: Flow control is on for TX and on for RX.
ADDRCONF(NETDEV_CHANGE): eth0: link becomes ready
SFW2-OUT-ERROR IN= OUT=eth0 SRC=192.168.10.5 DST=224.0.0.251
LEN=107 TOS=0x00 PREC=0x00 TTL=255 ID=0 DF PROTO=UDP
SPT=5353 DPT=5353 LEN=87
SFW2-INext-DROP-DEFLT IN=eth0 OUT= MAC= SRC=192.168.10.5
DST=224.0.0.251 LEN=107 TOS=0x00 PREC=0x00 TTL=255 ID=0 DF
PROTO=UDP SPT=5353 DPT=5353 LEN=87
SFW2-OUT-ERROR IN= OUT=eth0 SRC=192.168.10.5 DST=224.0.0.251
LEN=107 TOS=0x00 PREC=0x00 TTL=255 ID=0 DF PROTO=UDP
SPT=5353 DPT=5353 LEN=87
SFW2-INext-DROP-DEFLT IN=eth0 OUT= MAC= SRC=192.168.10.5
DST=224.0.0.251 LEN=107 TOS=0x00 PREC=0x00 TTL=255 ID=0 DF
```

```
PROTO=UDP SPT=5353 DPT=5353 LEN=87
SFW2-OUT-ERROR IN= OUT=eth0 SRC=192.168.10.5
DST=192.168.10.1 LEN=60 TOS=0x00 PREC=0x00 TTL=64 ID=64687 DF
PROTO=TCP SPT=14566 DPT=111 WINDOW=5840 RES=0x00 S
YN URGP=0 OPT (020405B40402080AFFFC4A36000000001030302)
SFW2-OUT-ERROR IN= OUT=eth0 SRC=192.168.10.5 DST=224.0.0.22
LEN=40 TOS=0x00 PREC=0xC0 TTL=1 ID=0 DF OPT (94040000)
PROTO=2
SFW2-OUT-ERROR IN= OUT=eth0 SRC=192.168.10.5 DST=224.0.0.251
LEN=107 TOS=0x00 PREC=0x00 TTL=255 ID=0 DF PROTO=UDP
SPT=5353 DPT=5353 LEN=87
SFW2-INext-DROP-DEFLT IN=eth0 OUT= MAC= SRC=192.168.10.5
DST=224.0.0.251 LEN=107 TOS=0x00 PREC=0x00 TTL=255 ID=0 DF
PROTO=UDP SPT=5353 DPT=5353 LEN=87
eth0: no IPv6 routers present
SFW2-OUT-ERROR IN= OUT=eth0 SRC=192.168.10.5
DST=192.168.10.1 LEN=60 TOS=0x00 PREC=0x00 TTL=64 ID=64689 DF
PROTO=TCP SPT=14566 DPT=111 WINDOW=5840 RES=0x00 S
YN URGP=0 OPT (020405B40402080AFFFC9086000000001030302)
SFW2-INext-DROP-DEFLT IN=eth0 OUT=
MAC=00:0a:e4:4e:a1:42:00:48:54:d0:22:f0:08:00 SRC=195.188.53.175
DST=192.168.10.5 LEN=119 TOS=0x00 PREC=0x00 TTL=247 ID=45
161 DF PROTO=UDP SPT=53 DPT=1025 LEN=99
SFW2-INext-DROP-DEFLT IN=eth0 OUT=
MAC=00:0a:e4:4e:a1:42:00:48:54:d0:22:f0:08:00 SRC=195.188.53.175
DST=192.168.10.5 LEN=119 TOS=0x00 PREC=0x00 TTL=247 ID=45
162 DF PROTO=UDP SPT=53 DPT=1027 LEN=99
SFW2-INext-DROP-DEFLT IN=eth0 OUT=
MAC=00:0a:e4:4e:a1:42:00:48:54:d0:22:f0:08:00 SRC=62.31.176.39
DST=192.168.10.5 LEN=119 TOS=0x00 PREC=0x00 TTL=251 ID=1270
7 DF PROTO=UDP SPT=53 DPT=1026 LEN=99
SFW2-INext-DROP-DEFLT IN=eth0 OUT=
MAC=00:0a:e4:4e:a1:42:00:50:22:40:0f:d2:08:00 SRC=192.168.10.1
DST=192.168.10.5 LEN=84 TOS=0x00 PREC=0x00 TTL=64 ID=47744
PROTO=ICMP TYPE=0 CODE=0 ID=34575 SEQ=1
SFW2-INext-DROP-DEFLT IN=eth0 OUT=
MAC=00:0a:e4:4e:a1:42:00:50:22:40:0f:d2:08:00 SRC=192.168.10.1
DST=192.168.10.5 LEN=84 TOS=0x00 PREC=0x00 TTL=64 ID=47745
PROTO=ICMP TYPE=0 CODE=0 ID=34575 SEQ=2
SFW2-INext-DROP-DEFLT IN=eth0 OUT=
MAC=00:0a:e4:4e:a1:42:00:48:54:d0:22:f0:08:00 SRC=194.117.134.19
DST=192.168.10.5 LEN=119 TOS=0x00 PREC=0x00 TTL=248 ID=56
11 DF PROTO=UDP SPT=53 DPT=1028 LEN=99
SFW2-INext-DROP-DEFLT IN=eth0 OUT=
MAC=00:0a:e4:4e:a1:42:00:50:22:40:0f:d2:08:00 SRC=192.168.10.1
DST=192.168.10.5 LEN=84 TOS=0x00 PREC=0x00 TTL=64 ID=47746
PROTO=ICMP TYPE=0 CODE=0 ID=34575 SEQ=3
SFW2-INext-DROP-DEFLT IN=eth0 OUT=
MAC=00:0a:e4:4e:a1:42:00:50:22:40:0f:d2:08:00 SRC=192.168.10.1
DST=192.168.10.5 LEN=84 TOS=0x00 PREC=0x00 TTL=64 ID=47747
PROTO=ICMP TYPE=0 CODE=0 ID=34575 SEQ=4
```

Re: 2.6.19 and up to 2.6.20-rc2 Ethernet problems x86_64

```
SFW2-INext-DROP-DEFLT IN=eth0 OUT=
MAC=00:0a:e4:4e:a1:42:00:48:54:d0:22:f0:08:00 SRC=62.31.176.39
DST=192.168.10.5 LEN=119 TOS=0x00 PREC=0x00 TTL=251 ID=1270
8 DF PROTO=UDP SPT=53 DPT=1029 LEN=99
SFW2-INext-DROP-DEFLT IN=eth0 OUT=
MAC=00:0a:e4:4e:a1:42:00:50:22:40:0f:d2:08:00 SRC=192.168.10.1
DST=192.168.10.5 LEN=84 TOS=0x00 PREC=0x00 TTL=64 ID=47748
PROTO=ICMP TYPE=0 CODE=0 ID=34575 SEQ=5
SFW2-OUT-ERROR IN= OUT=eth0 SRC=192.168.10.5
DST=195.188.53.175 LEN=58 TOS=0x00 PREC=0x00 TTL=64 ID=43443
DF PROTO=UDP SPT=1025 DPT=53 LEN=38
SFW2-INext-DROP-DEFLT IN=eth0 OUT=
MAC=00:0a:e4:4e:a1:42:00:48:54:d0:22:f0:08:00 SRC=194.117.134.19
DST=192.168.10.5 LEN=119 TOS=0x00 PREC=0x00 TTL=248 ID=56
13 DF PROTO=UDP SPT=53 DPT=1028 LEN=99
SFW2-OUT-ERROR IN= OUT=eth0 SRC=192.168.10.5
DST=194.117.134.19 LEN=63 TOS=0x00 PREC=0x00 TTL=64 ID=13907
DF PROTO=UDP SPT=1034 DPT=53 LEN=43
SFW2-INext-DROP-DEFLT IN=eth0 OUT=
MAC=00:0a:e4:4e:a1:42:00:48:54:d0:22:f0:08:00 SRC=194.117.134.19
DST=192.168.10.5 LEN=138 TOS=0x00 PREC=0x00 TTL=248 ID=56
16 DF PROTO=UDP SPT=53 DPT=1036 LEN=118
SFW2-OUT-ERROR IN= OUT=eth0 SRC=192.168.10.5
DST=194.117.134.19 LEN=63 TOS=0x00 PREC=0x00 TTL=64 ID=18909
DF PROTO=UDP SPT=1036 DPT=53 LEN=43
SFW2-INext-DROP-DEFLT IN=eth0 OUT=
MAC=00:0a:e4:4e:a1:42:00:48:54:d0:22:f0:08:00 SRC=195.188.53.175
DST=192.168.10.5 LEN=74 TOS=0x00 PREC=0x00 TTL=247 ID=356
16 DF PROTO=UDP SPT=53 DPT=1039 LEN=54
etc.,etc.
```

Regards
Sid.

Regards
Sid.

Sid Boyce ... Hamradio License G3VBV, Licensed Private Pilot
Emeritus IBM/Amdahl Mainframes and Sun/Fujitsu Servers Tech Support Specialist, Cricket Coach
Microsoft Windows Free Zone - Linux used for all Computing Tasks

```
00:00.0 Host bridge: VIA Technologies, Inc. VT8385 [K8T800 AGP] Host Bridge (rev 01)
Subsystem: Acer Incorporated [ALI] Unknown device 0046
Control: I/O- Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR-
FastB2B-
Status: Cap+ 66MHz+ UDF- FastB2B- ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort+
```

Re: 2.6.19 and up to 2.6.20-rc2 Ethernet problems x86_64

```
>SERR- <PERR-
Latency: 0
Region 0: Memory at <ignored> (32-bit, prefetchable)
Capabilities: [80] AGP version 3.5
Status: RQ=32 Iso- ArqSz=0 Cal=2 SBA+ ITACoh- GART64- HTrans- 64bit- FW+ AGP3+ Rate=x4,x8
Command: RQ=1 ArqSz=0 Cal=0 SBA+ AGP+ GART64- 64bit- FW- Rate=x8
Capabilities: [c0] HyperTransport: Slave or Primary Interface
!!! Possibly incomplete decoding
Command: BaseUnitID=0 UnitCnt=3 MastHost- DefDir-
Link Control 0: CFIE- CST- CFE- <LkFail- Init+ EOC- TXO- <CRCErr=0
Link Config 0: MLWI=16bit MLWO=16bit LWI=16bit LWO=16bit
Link Control 1: CFIE- CST- CFE- <LkFail+ Init- EOC+ TXO+ <CRCErr=0
Link Config 1: MLWI=8bit MLWO=8bit LWI=8bit LWO=8bit
Revision ID: 1.02
Capabilities: [68] Power Management version 2
Flags: PMEClk- DSI- D1- D2- AuxCurrent=0mA PME(D0-,D1-,D2-,D3hot-,D3cold-)
Status: D0 PME-Enable- DSel=0 DScale=0 PME-
Capabilities: [58] HyperTransport: Interrupt Discovery and Configuration

00:01.0 PCI bridge: VIA Technologies, Inc. VT8237 PCI bridge [K8T800/K8T890 South] (prog-if 00
[Normal decode])
Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR-
FastB2B-
Status: Cap+ 66MHz+ UDF- FastB2B- ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort-
>SERR- <PERR-
Latency: 0
Bus: primary=00, secondary=01, subordinate=01, sec-latency=0
I/O behind bridge: 00002000-00002fff
Memory behind bridge: d0100000-d01fffff
Prefetchable memory behind bridge: d8000000-dfffffff
Secondary status: 66MHz+ FastB2B- ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort- <SERR-
<PERR-
BridgeCtl: Parity- SERR- NoISA+ VGA+ MAbort- >Reset- FastB2B-
Capabilities: [80] Power Management version 2
Flags: PMEClk- DSI- D1+ D2- AuxCurrent=0mA PME(D0-,D1-,D2-,D3hot-,D3cold-)
Status: D0 PME-Enable- DSel=0 DScale=0 PME-

00:0b.0 CardBus bridge: Ricoh Co Ltd RL5c476 II (rev aa)
Subsystem: Acer Incorporated [ALI] Unknown device 0046
Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR-
FastB2B-
Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort-
>SERR- <PERR-
Latency: 168
Interrupt: pin A routed to IRQ 17
Region 0: Memory at 40010000 (32-bit, non-prefetchable) [size=4K]
Bus: primary=00, secondary=02, subordinate=05, sec-latency=176
Memory window 0: 30000000-33fff000 (prefetchable)
Memory window 1: 34000000-37fff000
I/O window 0: 00001c00-00001cff
I/O window 1: 00003000-000030ff
```

Re: 2.6.19 and up to 2.6.20-rc2 Ethernet problems x86_64

BridgeCtl: Parity- SERR- ISA- VGA- MAbort- >Reset- 16bInt- PostWrite+
16-bit legacy interface ports at 0001

00:0b.1 CardBus bridge: Ricoh Co Ltd RL5c476 II (rev aa)
Subsystem: Acer Incorporated [ALI] Unknown device 0046
Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR-
FastB2B-
Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort-
>SERR- <PERR-
Latency: 168
Interrupt: pin B routed to IRQ 18
Region 0: Memory at 40011000 (32-bit, non-prefetchable) [size=4K]
Bus: primary=00, secondary=06, subordinate=09, sec-latency=176
Memory window 0: 38000000-3bfff000 (prefetchable)
Memory window 1: 3c000000-3ffff000
I/O window 0: 00003400-000034ff
I/O window 1: 00003800-000038ff
BridgeCtl: Parity- SERR- ISA- VGA- MAbort- >Reset- 16bInt- PostWrite+
16-bit legacy interface ports at 0001

00:0b.2 FireWire (IEEE 1394): Ricoh Co Ltd R5C552 IEEE 1394 Controller (rev 02) (prog-if 10 [OHCI])
Subsystem: Acer Incorporated [ALI] Unknown device 0046
Control: I/O- Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR-
FastB2B-
Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort-
>SERR- <PERR-
Latency: 64 (500ns min, 1000ns max)
Interrupt: pin C routed to IRQ 19
Region 0: Memory at d0000000 (32-bit, non-prefetchable) [size=2K]
Capabilities: [dc] Power Management version 2
Flags: PMEClk- DSI- D1- D2- AuxCurrent=0mA PME(D0+,D1-,D2-,D3hot+,D3cold+)
Status: D0 PME-Enable- DSel=0 DScale=2 PME+

00:0c.0 Ethernet controller: Broadcom Corporation NetXtreme BCM5788 Gigabit Ethernet (rev 03)
Subsystem: Acer Incorporated [ALI] Unknown device 0046
Control: I/O- Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR-
FastB2B-
Status: Cap+ 66MHz+ UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort-
>SERR- <PERR-
Latency: 64 (16000ns min), Cache Line Size: 64 bytes
Interrupt: pin A routed to IRQ 20
Region 0: Memory at d0010000 (32-bit, non-prefetchable) [size=64K]
[virtual] Expansion ROM at 40000000 [disabled] [size=64K]
Capabilities: [48] Power Management version 2
Flags: PMEClk- DSI- D1- D2- AuxCurrent=0mA PME(D0-,D1-,D2-,D3hot+,D3cold+)
Status: D0 PME-Enable- DSel=0 DScale=1 PME-
Capabilities: [50] Vital Product Data
Capabilities: [58] Message Signalled Interrupts: Mask- 64bit+ Queue=0/3 Enable-
Address: ffff5ff7fbfbfff4 Data: fdfd

00:10.0 USB Controller: VIA Technologies, Inc. VT82xxxxx UHCI USB 1.1 Controller (rev 80) (prog-if 00

[UHCI])

Subsystem: Acer Incorporated [ALI] Unknown device 0046

Control: I/O+ Mem- BusMaster+ SpecCycle- MemWINV+ VGASnoop- ParErr- Stepping- SERR- FastB2B-

Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort- >SERR- <PERR-

Latency: 64, Cache Line Size: 64 bytes

Interrupt: pin A routed to IRQ 21

Region 4: I/O ports at 1020 [size=32]

Capabilities: [80] Power Management version 2

Flags: PMEClk- DSI- D1+ D2+ AuxCurrent=375mA PME(D0+,D1+,D2+,D3hot+,D3cold+)

Status: D0 PME-Enable- DSel=0 DScale=0 PME-

00:10.1 USB Controller: VIA Technologies, Inc. VT82xxxxx UHCI USB 1.1 Controller (rev 80) (prog-if 00 [UHCI])

Subsystem: Acer Incorporated [ALI] Unknown device 0046

Control: I/O+ Mem- BusMaster+ SpecCycle- MemWINV+ VGASnoop- ParErr- Stepping- SERR- FastB2B-

Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort- >SERR- <PERR-

Latency: 64, Cache Line Size: 64 bytes

Interrupt: pin B routed to IRQ 21

Region 4: I/O ports at 1040 [size=32]

Capabilities: [80] Power Management version 2

Flags: PMEClk- DSI- D1+ D2+ AuxCurrent=375mA PME(D0+,D1+,D2+,D3hot+,D3cold+)

Status: D0 PME-Enable- DSel=0 DScale=0 PME-

00:10.2 USB Controller: VIA Technologies, Inc. VT82xxxxx UHCI USB 1.1 Controller (rev 80) (prog-if 00 [UHCI])

Subsystem: Acer Incorporated [ALI] Unknown device 0046

Control: I/O+ Mem- BusMaster+ SpecCycle- MemWINV+ VGASnoop- ParErr- Stepping- SERR- FastB2B-

Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort- >SERR- <PERR-

Latency: 64, Cache Line Size: 64 bytes

Interrupt: pin C routed to IRQ 21

Region 4: I/O ports at 1060 [size=32]

Capabilities: [80] Power Management version 2

Flags: PMEClk- DSI- D1+ D2+ AuxCurrent=375mA PME(D0+,D1+,D2+,D3hot+,D3cold+)

Status: D0 PME-Enable- DSel=0 DScale=0 PME+

00:10.3 USB Controller: VIA Technologies, Inc. USB 2.0 (rev 82) (prog-if 20 [EHCI])

Subsystem: Acer Incorporated [ALI] Unknown device 0046

Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV+ VGASnoop- ParErr- Stepping- SERR- FastB2B-

Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort- >SERR- <PERR-

Latency: 64, Cache Line Size: 64 bytes

Interrupt: pin D routed to IRQ 21

Region 0: Memory at d0000800 (32-bit, non-prefetchable) [size=256]

Capabilities: [80] Power Management version 2

Re: 2.6.19 and up to 2.6.20-rc2 Ethernet problems x86_64

Flags: PMEClk- DSI- D1+ D2+ AuxCurrent=375mA PME(D0+,D1+,D2+,D3hot+,D3cold+)
Status: D0 PME-Enable- DSel=0 DScale=0 PME+

00:11.0 ISA bridge: VIA Technologies, Inc. VT8235 ISA Bridge

Subsystem: Acer Incorporated [ALI] Unknown device 0046

Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping+ SERR-
FastB2B-

Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort-
>SERR- <PERR-

Latency: 0

Capabilities: [c0] Power Management version 2

Flags: PMEClk- DSI- D1- D2- AuxCurrent=0mA PME(D0-,D1-,D2-,D3hot-,D3cold-)

Status: D0 PME-Enable- DSel=0 DScale=0 PME-

00:11.1 IDE interface: VIA Technologies, Inc. VT82C586A/B/VT82C686/A/B/VT823x/A/C PIPC Bus
Master IDE (rev 06) (prog-if 8a [Master SecP PriP])

Subsystem: Acer Incorporated [ALI] Unknown device 0046

Control: I/O+ Mem- BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR-
FastB2B-

Status: Cap+ 66MHz- UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort-
>SERR- <PERR-

Latency: 64

Interrupt: pin A routed to IRQ 0

Region 0: [virtual] Memory at 000001f0 (32-bit, non-prefetchable) [disabled] [size=8]

Region 1: [virtual] Memory at 000003f0 (type 3, non-prefetchable) [disabled] [size=1]

Region 2: [virtual] Memory at 00000170 (32-bit, non-prefetchable) [disabled] [size=8]

Region 3: [virtual] Memory at 00000370 (type 3, non-prefetchable) [disabled] [size=1]

Region 4: I/O ports at 1000 [size=16]

Capabilities: [c0] Power Management version 2

Flags: PMEClk- DSI- D1- D2- AuxCurrent=0mA PME(D0-,D1-,D2-,D3hot-,D3cold-)

Status: D0 PME-Enable- DSel=0 DScale=0 PME-

00:11.5 Multimedia audio controller: VIA Technologies, Inc. VT8233/A/8235/8237 AC97 Audio Controller
(rev 50)

Subsystem: Acer Incorporated [ALI] Unknown device 0046

Control: I/O+ Mem- BusMaster- SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR-
FastB2B-

Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort-
>SERR- <PERR-

Interrupt: pin C routed to IRQ 22

Region 0: I/O ports at 1400 [size=256]

Capabilities: [c0] Power Management version 2

Flags: PMEClk- DSI- D1+ D2+ AuxCurrent=0mA PME(D0-,D1-,D2-,D3hot-,D3cold-)

Status: D0 PME-Enable- DSel=0 DScale=0 PME-

00:11.6 Communication controller: VIA Technologies, Inc. AC'97 Modem Controller (rev 80)

Subsystem: Acer Incorporated [ALI] Unknown device 0046

Control: I/O+ Mem- BusMaster- SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR-
FastB2B-

Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort-
>SERR- <PERR-

Interrupt: pin C routed to IRQ 11

Region 0: I/O ports at 1800 [size=256]

Capabilities: [d0] Power Management version 2

Flags: PMEClk- DSI- D1- D2- AuxCurrent=0mA PME(D0-,D1-,D2-,D3hot-,D3cold-)

Status: D0 PME-Enable- DSel=0 DScale=0 PME-

00:18.0 Host bridge: Advanced Micro Devices [AMD] K8 [Athlon64/Opteron] HyperTransport Technology Configuration

Control: I/O- Mem- BusMaster- SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR- FastB2B-

Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort- <MAbort- >SERR- <PERR-

Capabilities: [80] HyperTransport: Host or Secondary Interface

!!! Possibly incomplete decoding

Command: WarmRst+ DblEnd-

Link Control: CFIE- CST- CFE- <LkFail- Init+ EOC- TXO- <CRCErr=0

Link Config: MLWI=16bit MLWO=16bit LWI=16bit LWO=16bit

Revision ID: 1.02

00:18.1 Host bridge: Advanced Micro Devices [AMD] K8 [Athlon64/Opteron] Address Map

Control: I/O- Mem- BusMaster- SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR- FastB2B-

Status: Cap- 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort- <MAbort- >SERR- <PERR-

00:18.2 Host bridge: Advanced Micro Devices [AMD] K8 [Athlon64/Opteron] DRAM Controller

Control: I/O- Mem- BusMaster- SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR- FastB2B-

Status: Cap- 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort- <MAbort- >SERR- <PERR-

00:18.3 Host bridge: Advanced Micro Devices [AMD] K8 [Athlon64/Opteron] Miscellaneous Control

Control: I/O- Mem- BusMaster- SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR- FastB2B-

Status: Cap- 66MHz- UDF- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort- <MAbort- >SERR- <PERR-

01:00.0 VGA compatible controller: ATI Technologies Inc RV350 [Mobility Radeon 9600 M10] (prog-if 00 [VGA])

Subsystem: Acer Incorporated [ALI] Unknown device 0046

Control: I/O+ Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR- FastB2B+

Status: Cap+ 66MHz+ UDF- FastB2B+ ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort- >SERR- <PERR-

Latency: 66 (2000ns min), Cache Line Size: 64 bytes

Interrupt: pin A routed to IRQ 9

Region 0: Memory at d8000000 (32-bit, prefetchable) [size=128M]

Region 1: I/O ports at 2000 [size=256]

Region 2: Memory at d0100000 (32-bit, non-prefetchable) [size=64K]

[virtual] Expansion ROM at d0120000 [disabled] [size=128K]

Capabilities: [58] AGP version 3.0

Re: 2.6.19 and up to 2.6.20-rc2 Ethernet problems x86_64

Status: RQ=256 Iso- ArqSz=0 Cal=0 SBA+ ITACoh- GART64- HTrans- 64bit- FW+ AGP3+ Rate=x4,x8
Command: RQ=1 ArqSz=0 Cal=0 SBA+ AGP- GART64- 64bit- FW- Rate=<none>
Capabilities: [50] Power Management version 2
Flags: PMECIk- DSI- D1+ D2+ AuxCurrent=0mA PME(D0-,D1-,D2-,D3hot-,D3cold-)
Status: D0 PME-Enable- DSel=0 DScale=0 PME-

06:00.0 Network controller: RaLink RT2500 802.11g Cardbus/mini-PCI (rev 01)
Subsystem: Belkin F5D7010 Wireless G Notebook Network Card
Control: I/O- Mem- BusMaster- SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR-
FastB2B-
Status: Cap+ 66MHz- UDF- FastB2B- ParErr- DEVSEL=slow >TAbort- <TAbort- <MAbort- >SERR-
<PERR-
Interrupt: pin A routed to IRQ 18
Region 0: Memory at 3c000000 (32-bit, non-prefetchable) [disabled] [size=8K]
Capabilities: [40] Power Management version 2
Flags: PMECIk- DSI- D1- D2- AuxCurrent=0mA PME(D0-,D1-,D2-,D3hot-,D3cold-)
Status: D0 PME-Enable- DSel=0 DScale=0 PME-

Linux version 2.6.20-rc3 (root@Boycie) (gcc version 4.1.2 20061115 (prerelease) (SUSE Linux)) #4 SMP
Mon Jan 1 11:39:19 GMT 2007

Command line: root=/dev/hda1 vga=0x317 resume=/dev/hda2 splash=silent 3

BIOS-provided physical RAM map:

BIOS-e820: 0000000000000000 - 000000000009f800 (usable)
BIOS-e820: 000000000009f800 - 00000000000a0000 (reserved)
BIOS-e820: 00000000000d8000 - 0000000000100000 (reserved)
BIOS-e820: 0000000000100000 - 000000001fef0000 (usable)
BIOS-e820: 000000001fef0000 - 000000001fefb000 (ACPI data)
BIOS-e820: 000000001fefb000 - 000000001ff00000 (ACPI NVS)
BIOS-e820: 000000001ff00000 - 0000000020000000 (reserved)
BIOS-e820: 00000000fffe0000 - 0000000100000000 (reserved)

Entering add_active_range(0, 0, 159) 0 entries of 3200 used

Entering add_active_range(0, 256, 130800) 1 entries of 3200 used

end_pfn_map = 1048576

DMI 2.3 present.

ACPI: RSDP (v000 PTLTD) @ 0x00000000000f68c0

ACPI: RSDT (v001 PTLTD RSDT 0x06040000 LTP 0x00000000) @ 0x000000001fef5d48

ACPI: FADT (v002 AMDK8 PTLTW 0x06040000 PTL_ 0x000f4240) @ 0x000000001fefae56

ACPI: SSDT (v001 PTLTD POWERNOW 0x06040000 LTP 0x00000001) @ 0x000000001fefaeda

ACPI: MADT (v001 PTLTD APIC 0x06040000 LTP 0x00000000) @ 0x000000001fefafb0

ACPI: DSDT (v001 VIA PTL_ACPI 0x06040000 MSFT 0x0100000e) @ 0x0000000000000000

Scanning NUMA topology in Northbridge 24

Number of nodes 1

Node 0 MemBase 0000000000000000 Limit 000000001fef0000

Entering add_active_range(0, 0, 159) 0 entries of 3200 used

Entering add_active_range(0, 256, 130800) 1 entries of 3200 used

NUMA: Using 63 for the hash shift.

Using node hash shift of 63

Bootmem setup node 0 0000000000000000-000000001fef0000

Zone PFN ranges:

DMA 0 -> 4096
DMA32 4096 -> 1048576
Normal 1048576 -> 1048576
early_node_map[2] active PFN ranges
0: 0 -> 159
0: 256 -> 130800
On node 0 totalpages: 130703
DMA zone: 56 pages used for memmap
DMA zone: 1185 pages reserved
DMA zone: 2758 pages, LIFO batch:0
DMA32 zone: 1732 pages used for memmap
DMA32 zone: 124972 pages, LIFO batch:31
Normal zone: 0 pages used for memmap
ACPI: PM-Timer IO Port: 0x4008
ACPI: Local APIC address 0xfe00000
ACPI: LAPIC (acpi_id[0x00] lapic_id[0x00] enabled)
Processor #0 (Bootup-CPU)
ACPI: LAPIC_NMI (acpi_id[0x00] high edge lint[0x1])
ACPI: IOAPIC (id[0x01] address[0xfec00000] gsi_base[0])
IOAPIC[0]: apic_id 1, address 0xfec00000, GSI 0-23
ACPI: INT_SRC_OVR (bus 0 bus_irq 0 global_irq 2 high edge)
ACPI: IRQ0 used by override.
ACPI: IRQ2 used by override.
ACPI: IRQ9 used by override.
Setting APIC routing to physical flat
Using ACPI (MADT) for SMP configuration information
Nosave address range: 000000000009f000 - 00000000000a0000
Nosave address range: 00000000000a0000 - 00000000000d8000
Nosave address range: 00000000000d8000 - 0000000000100000
Allocating PCI resources starting at 30000000 (gap: 20000000:dffe0000)
SMP: Allowing 1 CPUs, 0 hotplug CPUs
PERCPU: Allocating 49664 bytes of per cpu data
Built 1 zonelists. Total pages: 127730
Kernel command line: root=/dev/hda1 vga=0x317 resume=/dev/hda2 splash=silent 3
Initializing CPU#0
PID hash table entries: 2048 (order: 11, 16384 bytes)
Console: colour dummy device 80x25
Dentry cache hash table entries: 65536 (order: 7, 524288 bytes)
Inode-cache hash table entries: 32768 (order: 6, 262144 bytes)
Checking aperture...
CPU 0: aperture @ e0000000 size 256 MB
Memory: 507148k/523200k available (1950k kernel code, 15664k reserved, 953k data, 324k init)
Calibrating delay using timer specific routine.. 3591.90 BogoMIPS (lpj=1795950)
Security Framework v1.0.0 initialized
Mount-cache hash table entries: 256
CPU: L1 I Cache: 64K (64 bytes/line), D cache 64K (64 bytes/line)
CPU: L2 Cache: 1024K (64 bytes/line)
CPU 0/0 -> Node 0
SMP alternatives: switching to UP code
Freeing SMP alternatives: 28k freed
ACPI: Core revision 20060707

Using local APIC timer interrupts.
result 12465023
Detected 12.465 MHz APIC timer.
Brought up 1 CPUs
testing NMI watchdog ... OK.
time.c: Using 3.579545 MHz WALL PM GTOD PIT/TSC timer.
time.c: Detected 1794.962 MHz processor.
NET: Registered protocol family 16
ACPI: bus type pci registered
PCI: Using configuration type 1
ACPI: Interpreter enabled
ACPI: Using IOAPIC for interrupt routing
ACPI: PCI Root Bridge [PCI0] (0000:00)
PCI: Probing PCI hardware (bus 00)
PCI quirk: region 4000-407f claimed by vt8235 PM
PCI quirk: region 8100-810f claimed by vt8235 SMB
Boot video device is 0000:01:00.0
ACPI: PCI Interrupt Routing Table [_SB_.PCI0_.PRT]
ACPI: PCI Interrupt Link [ALKA] (IRQs 16 17 18 19 20 21 22 23) *9, disabled.
ACPI: PCI Interrupt Link [ALKB] (IRQs 16 17 18 19 20 21 22 23) *10, disabled.
ACPI: PCI Interrupt Link [ALKC] (IRQs 22) *11, disabled.
ACPI: PCI Interrupt Link [ALKD] (IRQs 21) *10, disabled.
ACPI: PCI Interrupt Link [LNKA] (IRQs 3 4 5 7 *9 12 14 15)
ACPI: PCI Interrupt Link [LNKB] (IRQs 3 4 5 7 *10 12 14 15)
ACPI: PCI Interrupt Link [LNKC] (IRQs 3 4 5 7 *11 12 14 15)
ACPI: PCI Interrupt Link [LNKD] (IRQs 3 4 5 7 9 *10 11 12 14 15)
Linux Plug and Play Support v0.97 (c) Adam Belay
pnp: PnP ACPI init
pnp: PnP ACPI: found 13 devices
PCI: Using ACPI for IRQ routing
PCI: If a device doesn't work, try "pci=routeirq". If it helps, post a report
PCI: Cannot allocate resource region 0 of device 0000:00:00.0
agpgart: Detected AGP bridge 0
agpgart: AGP aperture is 256M @ 0xe0000000
pnp: 00:06: ioport range 0x600-0x60f has been reserved
pnp: 00:06: ioport range 0x1c0-0x1cf has been reserved
pnp: 00:06: ioport range 0x4d0-0x4d1 has been reserved
pnp: 00:06: ioport range 0xfe10-0xfe11 could not be reserved
PCI: Bridge: 0000:00:01.0
IO window: 2000-2fff
MEM window: d0100000-d01fffff
PREFETCH window: d8000000-dfffffff
PCI: Bus 2, cardbus bridge: 0000:00:0b.0
IO window: 00001c00-00001cff
IO window: 00003000-000030ff
PREFETCH window: 30000000-33ffffff
MEM window: 34000000-37ffffff
PCI: Bus 6, cardbus bridge: 0000:00:0b.1
IO window: 00003400-000034ff
IO window: 00003800-000038ff
PREFETCH window: 38000000-3bffffff

MEM window: 3c000000-3fffffff
PCI: Setting latency timer of device 0000:00:01.0 to 64
ACPI: PCI Interrupt 0000:00:0b.0[A] -> GSI 17 (level, low) -> IRQ 17
PCI: Setting latency timer of device 0000:00:0b.0 to 64
PCI: Enabling device 0000:00:0b.1 (0000 -> 0003)
ACPI: PCI Interrupt 0000:00:0b.1[B] -> GSI 18 (level, low) -> IRQ 18
PCI: Setting latency timer of device 0000:00:0b.1 to 64
NET: Registered protocol family 2
IP route cache hash table entries: 4096 (order: 3, 32768 bytes)
TCP established hash table entries: 16384 (order: 6, 262144 bytes)
TCP bind hash table entries: 8192 (order: 5, 131072 bytes)
TCP: Hash tables configured (established 16384 bind 8192)
TCP reno registered
checking if image is initramfs... it is
Freeing initrd memory: 2885k freed
audit: initializing netlink socket (disabled)
audit(1167771418.916:1): initialized
Total HugeTLB memory allocated, 0
VFS: Disk quotas dquot_6.5.1
Dquot-cache hash table entries: 512 (order 0, 4096 bytes)
io scheduler noop registered
io scheduler anticipatory registered
io scheduler deadline registered
io scheduler cfq registered (default)
vesafb: framebuffer at 0xd8000000, mapped to 0xffffc20000180000, using 3072k, total 65536k
vesafb: mode is 1024x768x16, linelength=2048, pages=41
vesafb: scrolling: redraw
vesafb: Truecolor: size=0:5:6:5, shift=0:11:5:0
Console: switching to colour frame buffer device 128x48
fb0: VESA VGA frame buffer device
Real Time Clock Driver v1.12ac
Non-volatile memory driver v1.2
Linux agpgart interface v0.101 (c) Dave Jones
Serial: 8250/16550 driver \$Revision: 1.90 \$ 4 ports, IRQ sharing disabled
serial8250: ttyS1 at I/O 0x2f8 (irq = 3) is a 16550A
RAMDISK driver initialized: 16 RAM disks of 128000K size 1024 blocksize
PNP: PS/2 Controller [PNP0303:PS2K,PNP0f13:PS2M] at 0x60,0x64 irq 1,12
i8042.c: Detected active multiplexing controller, rev 1.1.
serio: i8042 KBD port at 0x60,0x64 irq 1
serio: i8042 AUX0 port at 0x60,0x64 irq 12
serio: i8042 AUX1 port at 0x60,0x64 irq 12
serio: i8042 AUX2 port at 0x60,0x64 irq 12
serio: i8042 AUX3 port at 0x60,0x64 irq 12
mice: PS/2 mouse device common for all mice
input: AT Translated Set 2 keyboard as /class/input/input0
input: PC Speaker as /class/input/input1
Synaptics Touchpad, model: 1, fw: 5.8, id: 0x9248b1, caps: 0x904713/0x4000
input: SynPS/2 Synaptics TouchPad as /class/input/input2
NET: Registered protocol family 1
ACPI: (supports S0 S3 S4 S5)
Freeing unused kernel memory: 324k freed

Uniform Multi-Platform E-IDE driver Revision: 7.00alpha2
ide: Assuming 33MHz system bus speed for PIO modes; override with idebus=xx
ACPI: Thermal Zone [THRS] (46 C)
ACPI: Thermal Zone [THRC] (65 C)
VP_IDE: IDE controller at PCI slot 0000:00:11.1
ACPI: Unable to derive IRQ for device 0000:00:11.1
Losing some ticks... checking if CPU frequency changed.
ACPI: PCI Interrupt 0000:00:11.1[A]: no GSI
VP_IDE: chipset revision 6
VP_IDE: not 100% native mode: will probe irqs later
VP_IDE: VIA vt8235 (rev 00) IDE UDMA133 controller on pci0000:00:11.1
ide0: BM-DMA at 0x1000-0x1007, BIOS settings: hda:DMA, hdb:pio
ide1: BM-DMA at 0x1008-0x100f, BIOS settings: hdc:DMA, hdd:pio
Probing IDE interface ide0...
hda: WDC WD800VE-07HDT0, ATA DISK drive
ide0 at 0x1f0-0x1f7,0x3f6 on irq 14
hda: max request size: 128KiB
hda: 156301488 sectors (80026 MB) w/8192KiB Cache, CHS=65535/16/63, UDMA(100)
hda: cache flushes supported
hda: hda1 hda2
Probing IDE interface ide1...
hdc: _NEC DVD_RW ND-6750A, ATAPI CD/DVD-ROM drive
ide1 at 0x170-0x177,0x376 on irq 15
BIOS EDD facility v0.16 2004-Jun-25, 1 devices found
Attempting manual resume
ReiserFS: hda1: found reiserfs format "3.6" with standard journal
ReiserFS: hda1: using ordered data mode
ReiserFS: hda1: journal params: device hda1, size 8192, journal first block 18, max trans len 1024, max batch
900, max commit age 30, max trans age 30
ReiserFS: hda1: checking transaction log (hda1)
ReiserFS: hda1: Using r5 hash to sort names
usbcore: registered new interface driver usbfs
usbcore: registered new interface driver hub
usbcore: registered new device driver usb
Yenta: CardBus bridge found at 0000:00:0b.0 [1025:0046]
USB Universal Host Controller Interface driver v3.0
Yenta: ISA IRQ mask 0x00b8, PCI irq 17
Socket status: 30000410
Yenta: CardBus bridge found at 0000:00:0b.1 [1025:0046]
NET: Registered protocol family 23
ieee1394: Initialized config rom entry `ip1394'
Yenta: ISA IRQ mask 0x00b8, PCI irq 18
Socket status: 30000820
ACPI: PCI Interrupt 0000:00:10.0[A] -> GSI 21 (level, low) -> IRQ 21
uhci_hcd 0000:00:10.0: UHCI Host Controller
uhci_hcd 0000:00:10.0: new USB bus registered, assigned bus number 1
uhci_hcd 0000:00:10.0: irq 21, io base 0x00001020
usb usb1: configuration #1 chosen from 1 choice
hub 1-0:1.0: USB hub found
hub 1-0:1.0: 2 ports detected
ACPI: PCI Interrupt 0000:00:10.1[B] -> GSI 21 (level, low) -> IRQ 21

```
uhci_hcd 0000:00:10.1: UHCI Host Controller
uhci_hcd 0000:00:10.1: new USB bus registered, assigned bus number 2
uhci_hcd 0000:00:10.1: irq 21, io base 0x00001040
usb usb2: configuration #1 chosen from 1 choice
hub 2-0:1.0: USB hub found
hub 2-0:1.0: 2 ports detected
pccard: PCMCIA card inserted into slot 0
ACPI: PCI Interrupt 0000:00:10.2[C] -> GSI 21 (level, low) -> IRQ 21
uhci_hcd 0000:00:10.2: UHCI Host Controller
uhci_hcd 0000:00:10.2: new USB bus registered, assigned bus number 3
uhci_hcd 0000:00:10.2: irq 21, io base 0x00001060
usb usb3: configuration #1 chosen from 1 choice
hub 3-0:1.0: USB hub found
hub 3-0:1.0: 2 ports detected
usb 1-2: new full speed USB device using uhci_hcd and address 2
nsc-ircc, chip->init
nsc-ircc, Found chip at base=0x02e
nsc-ircc, driver loaded (Dag Brattli)
ACPI: PCI Interrupt 0000:00:10.3[D] -> GSI 21 (level, low) -> IRQ 21
ehci_hcd 0000:00:10.3: EHCI Host Controller
ehci_hcd 0000:00:10.3: new USB bus registered, assigned bus number 4
ehci_hcd 0000:00:10.3: irq 21, io mem 0xd0000800
ehci_hcd 0000:00:10.3: USB 2.0 started, EHCI 1.00, driver 10 Dec 2004
usb usb4: configuration #1 chosen from 1 choice
hub 4-0:1.0: USB hub found
hub 4-0:1.0: 6 ports detected
nsc_ircc_open(), can't get iobase of 0x2f8
nsc-ircc, Found chip at base=0x02e
nsc-ircc, driver loaded (Dag Brattli)
nsc_ircc_open(), can't get iobase of 0x2f8
pnp: Device 00:0a disabled.
hdc: ATAPI 24X DVD-ROM DVD-R CD-R/RW drive, 2048kB Cache, UDMA(33)
Uniform CD-ROM driver Revision: 3.20
pccard: CardBus card inserted into slot 1
ACPI: PCI Interrupt 0000:00:0b.2[C] -> GSI 19 (level, low) -> IRQ 19
ohci1394: fw-host0: OHCI-1394 1.0 (PCI): IRQ=[19] MMIO=[d0000000-d00007ff] Max Packet=[2048]
IR/IT contexts=[4/4]
tg3.c:v3.71 (December 15, 2006)
ACPI: PCI Interrupt 0000:00:0c.0[A] -> GSI 20 (level, low) -> IRQ 20
parport: PnPBIOS parport detected.
eth0: Tigon3 [partno(BCM95705A50) rev 3003 PHY(5705)] (PCI:33MHz:32-bit) 10/100/1000Base-T
Ethernet 00:0a:e4:4e:a1:42
eth0: RXcsums[1] LinkChgREG[0] MIirq[0] ASF[0] Split[0] WireSpeed[0] TSOcap[1]
eth0: dma_rwctrl[763f0000] dma_mask[32-bit]
ACPI: PCI Interrupt 0000:00:11.5[C] -> GSI 22 (level, low) -> IRQ 22
PCI: Setting latency timer of device 0000:00:11.5 to 64
parport0: PC-style at 0x378 (0x778), irq 7, dma 3 [PCSP,TRISTATE,COMPAT,ECP,DMA]
usb 1-2: device not accepting address 2, error -71
wbsd: Winbond W83L51xD SD/MMC card interface driver, 1.6
wbsd: Copyright(c) Pierre Ossman
mmc0: W83L51xD id 7112 at 0x820 irq 10 FIFO PnP
```

```
cs: memory probe 0x0c0000-0x0fffff: excluding 0xc0000-0xcffff 0xd8000-0xdffff 0xe4000-0xfffff
cs: memory probe 0x60000000-0x60ffffff: clean.
cs: memory probe 0xa0000000-0xa0ffffff: clean.
ieee1394: Host added: ID:BUS[0-00:1023] GUID[000ae404061046b5]
pcmcia: registering new device pcmcia0.0
pcmcia: request for exclusive IRQ could not be fulfilled.
pcmcia: the driver needs updating to supported shared IRQ lines.
usb 1-2: new full speed USB device using uhci_hcd and address 4
0.0: ttyS0 at I/O 0x3f8 (irq = 17) is a 16550A
usb 1-2: configuration #1 chosen from 1 choice
usb 3-1: new full speed USB device using uhci_hcd and address 2
Bluetooth: Core ver 2.11
NET: Registered protocol family 31
Bluetooth: HCI device and connection manager initialized
Bluetooth: HCI socket layer initialized
Bluetooth: HCI USB driver ver 2.9
Adding 3931696k swap on /dev/hda2. Priority:-1 extents:1 across:3931696k
usb 3-1: configuration #1 chosen from 1 choice
hub 3-1:1.0: USB hub found
hub 3-1:1.0: 4 ports detected
usb 3-2: new low speed USB device using uhci_hcd and address 3
usb 3-2: configuration #1 chosen from 1 choice
usbcore: registered new interface driver hci_usb
usb 2-1: new full speed USB device using uhci_hcd and address 2
usb 2-1: configuration #1 chosen from 1 choice
usb 3-1.3: new full speed USB device using uhci_hcd and address 4
usb 3-1.3: not running at top speed; connect to a high speed hub
usb 3-1.3: configuration #1 chosen from 1 choice
usbcore: registered new interface driver hiddev
input: Acrox USB & PS/2 Mouse as /class/input/input3
input: USB HID v1.10 Mouse [Acrox USB & PS/2 Mouse] on usb-0000:00:10.2-2
usbcore: registered new interface driver usbhid
drivers/usb/input/hid-core.c: v2.6:USB HID core driver
usbcore: registered new interface driver usbserial
drivers/usb/serial/usb-serial.c: USB Serial support registered for generic
usbcore: registered new interface driver usbserial_generic
drivers/usb/serial/usb-serial.c: USB Serial Driver core
drivers/usb/serial/usb-serial.c: USB Serial support registered for pl2303
pl2303 2-1:1.0: pl2303 converter detected
usb 2-1: pl2303 converter now attached to ttyUSB0
usbcore: registered new interface driver pl2303
drivers/usb/serial/pl2303.c: Prolific PL2303 USB to serial adaptor driver
SCSI subsystem initialized
Initializing USB Mass Storage driver...
scsi0 : SCSI emulation for USB Mass Storage devices
usb-storage: device found at 4
usb-storage: waiting for device to settle before scanning
usbcore: registered new interface driver usb-storage
USB Mass Storage support registered.
Bluetooth: L2CAP ver 2.8
Bluetooth: L2CAP socket layer initialized
```

```
Bluetooth: HIDP (Human Interface Emulation) ver 1.1
device-mapper: ioctl: 4.11.0-ioctl (2006-10-12) initialised: dm-devel@xxxxxxxxxxx
Bluetooth: RFCOMM socket layer initialized
Bluetooth: RFCOMM TTY layer initialized
Bluetooth: RFCOMM ver 1.8
Bluetooth: BNEP (Ethernet Emulation) ver 1.2
Bluetooth: BNEP filters: protocol multicast
loop: loaded (max 8 devices)
scsi 0:0:0:0: Direct-Access Maxtor 6 Y120L0 YAR4 PQ: 0 ANSI: 0
usb-storage: device scan complete
SCSI device sda: 240121728 512-byte hdwr sectors (122942 MB)
sda: Write Protect is off
sda: Mode Sense: 03 00 00 00
sda: assuming drive cache: write through
SCSI device sda: 240121728 512-byte hdwr sectors (122942 MB)
sda: Write Protect is off
sda: Mode Sense: 03 00 00 00
sda: assuming drive cache: write through
sda: sda1 sda2
sd 0:0:0:0: Attached scsi disk sda
sd 0:0:0:0: Attached scsi generic sg0 type 0
ttyS1: LSR safety check engaged!
Adding 1550264k swap on /dev/sda2. Priority:-2 extents:1 across:1550264k
NET: Registered protocol family 10
lo: Disabled Privacy Extensions
ip6_tables: (C) 2000-2006 Netfilter Core Team
ip_tables: (C) 2000-2006 Netfilter Core Team
ACPI: AC Adapter [AC] (on-line)
ACPI: Battery Slot [BAT0] (battery present)
input: Power Button (FF) as /class/input/input4
ACPI: Power Button (FF) [PWRF]
input: Lid Switch as /class/input/input5
ACPI: Lid Switch [LID]
input: Sleep Button (CM) as cs: memory probe 0x60000000-0x60ffffff: clean.
cs: memory probe 0xa0000000-0xa0ffffff: clean.
pcmcia: registering new device pcmcia0.0
0.0: RequestIRQ: Resource in use
0.0: ttyS0 at I/O 0x3f8 (irq = 0) is a 16550A
Adding 3931696k swap on /dev/hda2. Priority:-1 extents:1 across:3931696k
usb 1-2: configuration #1 chosen from 1 choice
usb 2-1: new full speed USB device using uhci_hcd and address 2
Bluetooth: Core ver 2.11
NET: Registered protocol family 31
Bluetooth: HCI device and connection manager initialized
Bluetooth: HCI socket layer initialized
Bluetooth: HCI USB driver ver 2.9
device-mapper: ioctl: 4.11.0-ioctl (2006-10-12) initialised: dm-devel@xxxxxxxxxxx
usb 2-1: configuration #1 chosen from 1 choice
usb 3-1: new full speed USB device using uhci_hcd and address 2
usb 3-1: configuration #1 chosen from 1 choice
hub 3-1:1.0: USB hub found
```

```
hub 3-1:1.0: 4 ports detected
usb 3-2: new low speed USB device using uhci_hcd and address 3
usb 3-2: configuration #1 chosen from 1 choice
Bluetooth: L2CAP ver 2.8
Bluetooth: L2CAP socket layer initialized
Bluetooth: HIDP (Human Interface Emulation) ver 1.1
usb 3-1.3: new full speed USB device using uhci_hcd and address 4
usb 3-1.3: configuration #1 chosen from 1 choice
SCSI subsystem initialized
Initializing USB Mass Storage driver...
usbcore: registered new interface driver hci_usb
usbcore: registered new interface driver usbserial
drivers/usb/serial/usb-serial.c: USB Serial support registered for generic
usbcore: registered new interface driver usbserial_generic
drivers/usb/serial/usb-serial.c: USB Serial Driver core
usbcore: registered new interface driver hiddev
drivers/usb/serial/usb-serial.c: USB Serial support registered for pl2303
pl2303 2-1:1.0: pl2303 converter detected
usb 2-1: pl2303 converter now attached to ttyUSB0
Bluetooth: RFCOMM socket layer initialized
Bluetooth: RFCOMM TTY layer initialized
Bluetooth: RFCOMM ver 1.8
input: Acrox USB & PS/2 Mouse as /class/input/input3
input: USB HID v1.10 Mouse [Acrox USB & PS/2 Mouse] on usb-0000:00:10.2-2
Bluetooth: BNEP (Ethernet Emulation) ver 1.2
Bluetooth: BNEP filters: protocol multicast
usbcore: registered new interface driver usbhid
drivers/usb/input/hid-core.c: v2.6:USB HID core driver
scsi0 : SCSI emulation for USB Mass Storage devices
usb-storage: device found at 4
usb-storage: waiting for device to settle before scanning
usbcore: registered new interface driver usb-storage
USB Mass Storage support registered.
usbcore: registered new interface driver pl2303
drivers/usb/serial/pl2303.c: Prolific PL2303 USB to serial adaptor driver
loop: loaded (max 8 devices)
ttyS1: LSR safety check engaged!
scsi 0:0:0:0: Direct-Access Maxtor 6 Y120L0 YAR4 PQ: 0 ANSI: 0
usb-storage: device scan complete
SCSI device sda: 240121728 512-byte hdwr sectors (122942 MB)
sda: Write Protect is off
sda: Mode Sense: 03 00 00 00
sda: assuming drive cache: write through
SCSI device sda: 240121728 512-byte hdwr sectors (122942 MB)
sda: Write Protect is off
sda: Mode Sense: 03 00 00 00
sda: assuming drive cache: write through
sda: sda1 sda2
NET: Registered protocol family 10
lo: Disabled Privacy Extensions
ip6_tables: (C) 2000-2006 Netfilter Core Team
```

```
ip_tables: (C) 2000-2006 Netfilter Core Team
sd 0:0:0:0: Attached scsi disk sda
sd 0:0:0:0: Attached scsi generic sg0 type 0
ACPI: AC Adapter [AC] (on-line)
ACPI: Battery Slot [BAT0] (battery present)
input: Power Button (FF) as /class/input/input4
ACPI: Power Button (FF) [PWRF]
input: Lid Switch as /class/input/input5
ACPI: Lid Switch [LID]
input: Sleep Button (CM) as /class/input/input6
ACPI: Sleep Button (CM) [SLPB]
powernow-k8: Found 1 AMD Athlon(tm) 64 Processor 3000+ processors (version 2.00.00)
powernow-k8: 0 : fid 0xa (1800 MHz), vid 0x2
powerno
```