

Re: DELL Latitude D810 asks for pci=assign-busses

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2006-11/msg04473.html>

- *From:* Dumitru Ciobarciu <Dumitru.Ciobarciu@xxxxxxx>
 - *Date:* Wed, 15 Nov 2006 10:55:51 +0200
-

Oops, I forgot the attachments...

On Wed, 2006-11-15 at 10:52 +0200, Dumitru Ciobarciu wrote:

Hello,

The kernel (2.6.18.1-something) asked me to report this :)

"PCI: Bus #04 (-#07) is hidden behind transparent bridge #03 (-#04) (try 'pci=assign-busses')

Please report the result to linux-kernel to fix this permanently"

I've attached the dmesg and lspci with and without pci=assign-busses.

Also for future reference I opened #7528 .

http://bugme.osdl.org/show_bug.cgi?id=7528

Please let me know if you need more data.

Thank you for the great work,

—

Cioby

Linux version 2.6.18-1.2849_1.fc6.cubbi_suspend2 (root@kobayashi-maru) (gcc version 4.1.1 20061011 (Red Hat 4.1.1-30)) #1 SMP Mon Nov 13 11:28:58 CET 2006

BIOS-provided physical RAM map:

BIOS-e820: 0000000000000000 - 000000000009f000 (usable)
BIOS-e820: 000000000009f000 - 00000000000a0000 (reserved)
BIOS-e820: 0000000000100000 - 0000000003ffd8000 (usable)
BIOS-e820: 0000000003ffd8000 - 00000000040000000 (reserved)
BIOS-e820: 00000000e0000000 - 00000000f0007000 (reserved)
BIOS-e820: 00000000f0008000 - 00000000f000c000 (reserved)
BIOS-e820: 00000000fec00000 - 00000000fec10000 (reserved)
BIOS-e820: 00000000fed20000 - 00000000fee10000 (reserved)
BIOS-e820: 00000000ffb00000 - 0000000100000000 (reserved)

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127MB HIGHMEM available.
896MB LOWMEM available.
Using x86 segment limits to approximate NX protection
On node 0 totalpages: 262104
DMA zone: 4096 pages, LIFO batch:0
Normal zone: 225280 pages, LIFO batch:31
HighMem zone: 32728 pages, LIFO batch:7
DMI 2.3 present.
Using APIC driver default
IO/L-APIC allowed because system is MP or new enough
ACPI: RSDP (v000 DELL) @ 0x000fc9b0
ACPI: RSDT (v001 DELL D05 0x27d60314 ASL 0x00000061) @ 0x3ffd8790
ACPI: FADT (v001 DELL D05 0x27d60314 ASL 0x00000061) @ 0x3ffd9400
ACPI: MADT (v001 DELL D05 0x27d60314 ASL 0x00000047) @ 0x3ffd9c00
ACPI: ASF! (v016 DELL D05 0x27d60314 ASL 0x00000061) @ 0x3ffd9800
ACPI: MCFG (v016 DELL D05 0x27d60314 ASL 0x00000061) @ 0x3ffd9bc0
ACPI: BOOT (v001 DELL D05 0x27d60314 ASL 0x00000061) @ 0x3ffd97c0
ACPI: SSDT (v001 PmRef Cpu0Ist 0x00003000 INTL 0x20030522) @ 0x3ffd8bea
ACPI: SSDT (v001 PmRef Cpu0Cst 0x00003001 INTL 0x20030522) @ 0x3ffd8a12
ACPI: SSDT (v001 PmRef CpuPm 0x00003000 INTL 0x20030522) @ 0x3ffd8817
ACPI: DSDT (v001 INT430 SYSFexxx 0x00001001 MSFT 0x0100000e) @ 0x00000000
ACPI: PM-Timer IO Port: 0x1008
ACPI: Local APIC address 0xfe00000
ACPI: LAPIC (acpi_id[0x00] lapic_id[0x00] enabled)
Processor #0 6:13 APIC version 20
ACPI: LAPIC (acpi_id[0x01] lapic_id[0x01] disabled)
ACPI: LAPIC_NMI (acpi_id[0x00] high edge lint[0x1])
ACPI: LAPIC_NMI (acpi_id[0x01] high edge lint[0x1])
ACPI: IOAPIC (id[0x01] address[0xfec00000] gsi_base[0])
IOAPIC[0]: apic_id 1, version 32, address 0xfec00000, GSI 0-23
ACPI: INT_SRC_OVR (bus 0 bus_irq 0 global_irq 2 dfl dfl)
ACPI: INT_SRC_OVR (bus 0 bus_irq 9 global_irq 9 high level)
ACPI: IRQ0 used by override.
ACPI: IRQ2 used by override.
ACPI: IRQ9 used by override.
Enabling APIC mode: Flat. Using 1 I/O APICs
Using ACPI (MADT) for SMP configuration information
Allocating PCI resources starting at 50000000 (gap: 40000000:a0000000)
Detected 1862.083 MHz processor.
Built 1 zonelists. Total pages: 262104
Kernel command line: ro root=LABEL=/ rhgb quiet selinux=0 video=vesafb vga=791
resume2=swap:/dev/sda5 combined_mode=libata ide0=noprobe ide1=noprobe pci=assign-busses single
ide_setup: ide0=noprobe
ide_setup: ide1=noprobe
mapped APIC to fffd000 (fee00000)
mapped IOAPIC to fffc000 (fec00000)
Enabling fast FPU save and restore... done.
Enabling unmasked SIMD FPU exception support... done.
Initializing CPU#0
CPU 0 irqstacks, hard=c07bf000 soft=c079f000
PID hash table entries: 4096 (order: 12, 16384 bytes)

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Console: colour dummy device 80x25
Dentry cache hash table entries: 131072 (order: 7, 524288 bytes)
Inode-cache hash table entries: 65536 (order: 6, 262144 bytes)
Memory: 1028760k/1048416k available (2172k kernel code, 18956k reserved, 885k data, 244k init, 130912k highmem)
Checking if this processor honours the WP bit even in supervisor mode... Ok.
Calibrating delay using timer specific routine.. 3726.40 BogoMIPS (lpj=1863201)
Security Framework v1.0.0 initialized
SELinux: Disabled at boot.
Capability LSM initialized
Mount-cache hash table entries: 512
CPU: After generic identify, caps: afe9fbff 00100000 00000000 00000000 00000180 00000000 00000000
CPU: After vendor identify, caps: afe9fbff 00100000 00000000 00000000 00000180 00000000 00000000
CPU: L1 I cache: 32K, L1 D cache: 32K
CPU: L2 cache: 2048K
CPU: After all inits, caps: afe9f3ff 00100000 00000000 00000040 00000180 00000000 00000000
Intel machine check architecture supported.
Intel machine check reporting enabled on CPU#0.
Checking 'hlt' instruction... OK.
SMP alternatives: switching to UP code
Freeing SMP alternatives: 16k freed
checking if image is initramfs... it is
Freeing initrd memory: 5505k freed
ACPI: Core revision 20060707
ACPI: Looking for DSDT in initramfs... error, file /DSDT.aml not found.
CPU0: Intel(R) Pentium(R) M processor 1.86GHz stepping 08
Total of 1 processors activated (3726.40 BogoMIPS).
ENABLING IO-APIC IRQs
..TIMER: vector=0x31 apic1=0 pin1=2 apic2=-1 pin2=-1
Brought up 1 CPUs
sizeof(vma)=84 bytes
sizeof(page)=32 bytes
sizeof(inode)=424 bytes
sizeof(dentry)=148 bytes
sizeof(ext3inode)=600 bytes
sizeof(buffer_head)=52 bytes
sizeof(skbuff)=172 bytes
sizeof(task_struct)=1392 bytes
NET: Registered protocol family 16
ACPI: bus type pci registered
PCI: Using MMCONFIG
Setting up standard PCI resources
ACPI (exconfig-0455): Dynamic SSDT Load - OemId [LMPWR] OemTableId [DELLLOM] [20060707]
ACPI: Interpreter enabled
ACPI: Using IOAPIC for interrupt routing
ACPI: PCI Root Bridge [PCI0] (0000:00)
PCI: Probing PCI hardware (bus 00)
ACPI: Assume root bridge [_SB_.PCI0] bus is 0
PCI quirk: region 1000-107f claimed by ICH6 ACPI/GPIO/TCO
PCI quirk: region 1080-10bf claimed by ICH6 GPIO
PCI: Ignoring BAR0-3 of IDE controller 0000:00:1f.2

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IO window: 2000-2fff
MEM window: dfb00000-dfbfffff
PREFETCH window: 50000000-51ffffff
ACPI: PCI Interrupt 0000:00:01.0[A] -> GSI 16 (level, low) -> IRQ 169
PCI: Setting latency timer of device 0000:00:01.0 to 64
ACPI: PCI Interrupt 0000:00:1c.0[A] -> GSI 16 (level, low) -> IRQ 169
PCI: Setting latency timer of device 0000:00:1c.0 to 64
PCI: Setting latency timer of device 0000:00:1e.0 to 64
PCI: Enabling device 0000:03:01.0 (0000 -> 0003)
ACPI: PCI Interrupt 0000:03:01.0[A] -> GSI 19 (level, low) -> IRQ 177
NET: Registered protocol family 2
IP route cache hash table entries: 32768 (order: 5, 131072 bytes)
TCP established hash table entries: 131072 (order: 9, 2621440 bytes)
TCP bind hash table entries: 65536 (order: 8, 1310720 bytes)
TCP: Hash tables configured (established 131072 bind 65536)
TCP reno registered
Simple Boot Flag at 0x79 set to 0x1
apm: BIOS not found.
audit: initializing netlink socket (disabled)
audit(1163540692.848:1): initialized
highmem bounce pool size: 64 pages
Total HugeTLB memory allocated, 0
VFS: Disk quotas dquot_6.5.1
Dquot-cache hash table entries: 1024 (order 0, 4096 bytes)
Initializing Cryptographic API
ksign: Installing public key data
Loading keyring
- Added public key 507BFBF9578DF663
- User ID: ATrpms (Kernel Module GPG key)
io scheduler noop registered
io scheduler anticipatory registered
io scheduler deadline registered
io scheduler cfq registered (default)
PCI: Setting latency timer of device 0000:00:01.0 to 64
assign_interrupt_mode Found MSI capability
Allocate Port Service[0000:00:01.0:pcie00]
Allocate Port Service[0000:00:01.0:pcie03]
PCI: Setting latency timer of device 0000:00:1c.0 to 64
assign_interrupt_mode Found MSI capability
Allocate Port Service[0000:00:1c.0:pcie00]
Allocate Port Service[0000:00:1c.0:pcie02]
Allocate Port Service[0000:00:1c.0:pcie03]
pci_hotplug: PCI Hot Plug PCI Core version: 0.5
Real Time Clock Driver v1.12ac
Non-volatile memory driver v1.2
Linux agpgart interface v0.101 (c) Dave Jones
vesafb: framebuffer at 0xd0000000, mapped to 0xf8880000, using 3072k, total 131008k
vesafb: mode is 1024x768x16, linelength=2048, pages=84
vesafb: protected mode interface info at c000:5b0b
vesafb: pmi: set display start = c00c5b79, set palette = c00c5bb3
vesafb: pmi: ports = de10 de16 de54 de38 de3c de5c de00 de04 deb0 deb2 deb4

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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
ACPI: CPU0 (power states: C1[C1] C2[C2] C3[C3] C4[C3])
ACPI: Processor [CPU0] (supports 8 throttling states)
ACPI Exception (acpi_processor-0681): AE_NOT_FOUND, Processor Device is not present [20060707]
ACPI: Getting cpuindex for acpiid 0x1
ACPI: Thermal Zone [THM] (60 C)
isapnp: Scanning for PnP cards...
isapnp: No Plug & Play device found
Serial: 8250/16550 driver \$Revision: 1.90 \$ 4 ports, IRQ sharing enabled
serial8250: ttyS0 at I/O 0x3f8 (irq = 4) is a 16550A
00:0b: ttyS0 at I/O 0x3f8 (irq = 4) is a 16550A
RAMDISK driver initialized: 16 RAM disks of 16384K size 4096 blocksize
Uniform Multi-Platform E-IDE driver Revision: 7.00alpha2
ide: Assuming 33MHz system bus speed for PIO modes; override with idebus=xx
Probing IDE interface ide2...
Probing IDE interface ide3...
Probing IDE interface ide4...
Probing IDE interface ide5...
ide-floppy driver 0.99.newide
Yenta: CardBus bridge found at 0000:03:01.0 [1028:0186]
Yenta: Using CSCINT to route CSC interrupts to PCI
Yenta: Routing CardBus interrupts to PCI
Yenta TI: socket 0000:03:01.0, mfunc 0x01111122, devctl 0x64
Yenta: ISA IRQ mask 0x0cf8, PCI irq 177
Socket status: 30000006
pcmcia: parent PCI bridge I/O window: 0x2000 - 0x2fff
cs: IO port probe 0x2000-0x2fff: clean.
pcmcia: parent PCI bridge Memory window: 0xdfb00000 - 0xdfbfffff
pcmcia: parent PCI bridge Memory window: 0x50000000 - 0x51ffffff
usbcore: registered new driver libusual
usbcore: registered new driver hiddev
usbcore: registered new driver usbhid
drivers/usb/input/hid-core.c: v2.6:USB HID core driver
PNP: PS/2 Controller [PNP0303:KBC,PNP0f13:PS2M] at 0x60,0x64 irq 1,12
serio: i8042 AUX port at 0x60,0x64 irq 12
serio: i8042 KBD port at 0x60,0x64 irq 1
mice: PS/2 mouse device common for all mice
md: md driver 0.90.3 MAX_MD_DEVS=256, MD_SB_DISKS=27
md: bitmap version 4.39
TCP bic registered
Initializing IPsec netlink socket
NET: Registered protocol family 1
NET: Registered protocol family 17
Using IPI No-Shortcut mode
Suspend2 Core.
Suspend2 Userspace UI Support module loaded.
Suspend2 Userspace Storage Manager module loaded.
Suspend2 Compressor module loaded.

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Suspend2 Encryptor module loaded.
Suspend2 Block I/O module loaded.
Suspend2 Swap Allocator module loaded.
Suspend2 File Allocator module loaded.
Time: tsc clocksource has been installed.
ACPI: (supports S0 S3 S4 S5)
Freeing unused kernel memory: 244k freed
Time: acpi_pm clocksource has been installed.
input: AT Translated Set 2 keyboard as /class/input/input0
USB Universal Host Controller Interface driver v3.0
ACPI: PCI Interrupt 0000:00:1d.0[A] -> GSI 16 (level, low) -> IRQ 169
PCI: Setting latency timer of device 0000:00:1d.0 to 64
uhci_hcd 0000:00:1d.0: UHCI Host Controller
uhci_hcd 0000:00:1d.0: new USB bus registered, assigned bus number 1
uhci_hcd 0000:00:1d.0: irq 169, io base 0x0000bf80
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 0000:00:1d.1[B] -> GSI 17 (level, low) -> IRQ 209
PCI: Setting latency timer of device 0000:00:1d.1 to 64
uhci_hcd 0000:00:1d.1: UHCI Host Controller
uhci_hcd 0000:00:1d.1: new USB bus registered, assigned bus number 2
uhci_hcd 0000:00:1d.1: irq 209, io base 0x0000bf60
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 0000:00:1d.2[C] -> GSI 18 (level, low) -> IRQ 217
PCI: Setting latency timer of device 0000:00:1d.2 to 64
uhci_hcd 0000:00:1d.2: UHCI Host Controller
uhci_hcd 0000:00:1d.2: new USB bus registered, assigned bus number 3
uhci_hcd 0000:00:1d.2: irq 217, io base 0x0000bf40
usb usb3: configuration #1 chosen from 1 choice
hub 3-0:1.0: USB hub found
hub 3-0:1.0: 2 ports detected
ACPI: PCI Interrupt 0000:00:1d.3[D] -> GSI 19 (level, low) -> IRQ 177
PCI: Setting latency timer of device 0000:00:1d.3 to 64
uhci_hcd 0000:00:1d.3: UHCI Host Controller
uhci_hcd 0000:00:1d.3: new USB bus registered, assigned bus number 4
uhci_hcd 0000:00:1d.3: irq 177, io base 0x0000bf20
usb usb4: configuration #1 chosen from 1 choice
hub 4-0:1.0: USB hub found
hub 4-0:1.0: 2 ports detected
input: PS/2 Mouse as /class/input/input1
input: AlpsPS/2 ALPS GlidePoint as /class/input/input2
ohci_hcd: 2005 April 22 USB 1.1 'Open' Host Controller (OHCI) Driver (PCI)
usb 2-1: new full speed USB device using uhci_hcd and address 2
ACPI: PCI Interrupt 0000:00:1d.7[A] -> GSI 16 (level, low) -> IRQ 169
PCI: Setting latency timer of device 0000:00:1d.7 to 64
ehci_hcd 0000:00:1d.7: EHCI Host Controller
ehci_hcd 0000:00:1d.7: new USB bus registered, assigned bus number 5
ehci_hcd 0000:00:1d.7: debug port 1

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PCI: cache line size of 32 is not supported by device 0000:00:1d.7
ehci_hcd 0000:00:1d.7: irq 169, io mem 0xffa80800
ehci_hcd 0000:00:1d.7: USB 2.0 started, EHCI 1.00, driver 10 Dec 2004
usb usb5: configuration #1 chosen from 1 choice
hub 5-0:1.0: USB hub found
hub 5-0:1.0: 8 ports detected
SCSI subsystem initialized
libata version 2.00 loaded.
ata_piix 0000:00:1f.2: version 2.00
ata_piix 0000:00:1f.2: MAP [ P0 P2 IDE IDE ]
ACPI: PCI Interrupt 0000:00:1f.2[B] -> GSI 17 (level, low) -> IRQ 209
PCI: Setting latency timer of device 0000:00:1f.2 to 64
ata1: SATA max UDMA/133 cmd 0x1F0 ctl 0x3F6 bmdma 0xBFA0 irq 14
scsi0 : ata_piix
ata1.00: ATA-6, max UDMA/100, 156301488 sectors: LBA48
ata1.00: ata1: dev 0 multi count 8
ata1.00: applying bridge limits
ata1.00: configured for UDMA/100
Vendor: ATA Model: TOSHIBA MK8032GA Rev: AD00
Type: Direct-Access ANSI SCSI revision: 05
SCSI device sda: 156301488 512-byte hdwr sectors (80026 MB)
sda: Write Protect is off
sda: Mode Sense: 00 3a 00 00
SCSI device sda: drive cache: write back
SCSI device sda: 156301488 512-byte hdwr sectors (80026 MB)
sda: Write Protect is off
sda: Mode Sense: 00 3a 00 00
SCSI device sda: drive cache: write back
sda: sda1 sda2 sda3 sda4 <<6>usb 2-1: new full speed USB device using uhci_hcd and address 3
sda5 sda6 >
sd 0:0:0:0: Attached scsi disk sda
ata2: PATA max UDMA/100 cmd 0x170 ctl 0x376 bmdma 0xBFA8 irq 15
scsi1 : ata_piix
usb 2-1: configuration #1 chosen from 1 choice
ata2.00: ATAPI, max UDMA/33
ata2.00: configured for UDMA/33
Vendor: _NEC Model: DVD+-RW ND-6650A Rev: 102C
Type: CD-ROM ANSI SCSI revision: 05
Suspend2 2.2.8.4: SwapAllocator: Signature found.
Suspend2 2.2.8.4: Resuming enabled.
Suspend2 2.2.8.4: Normal swapspace found.
Suspend2 2.2.8.4: No image found.
Suspend2 2.2.8.4: SwapAllocator: Signature found.
Suspend2 2.2.8.4: Resuming enabled.
Suspend2 2.2.8.4: Normal swapspace found.
Suspend2 2.2.8.4: No image found.
kjournald starting. Commit interval 5 seconds
EXT3-fs: mounted filesystem with ordered data mode.
Bluetooth: Core ver 2.10
NET: Registered protocol family 31
Bluetooth: HCI device and connection manager initialized
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Bluetooth: HCI socket layer initialized
Bluetooth: HCI USB driver ver 2.9
usbcore: registered new driver hci_usb
agpgart: Detected an Intel 915GM Chipset.
agpgart: AGP aperture is 256M @ 0x0
ieee80211_crypt: registered algorithm 'NULL'
intel_rng: FWH not detected
ieee80211: 802.11 data/management/control stack, git-1.1.13
ieee80211: Copyright (C) 2004-2005 Intel Corporation <jketreno@xxxxxxxxxxxxxxxx>
tg3.c:v3.65 (August 07, 2006)
ACPI: PCI Interrupt 0000:02:00.0[A] -> GSI 16 (level, low) -> IRQ 169
PCI: Setting latency timer of device 0000:02:00.0 to 64
eth0: Tigon3 [partno(BCM95751) rev 4001 PHY(5750)] (PCI Express) 10/100/1000BaseT Ethernet
00:14:22:f5:4e:6e
eth0: RXcsums[1] LinkChgREG[1] MIrq[1] ASF[0] Split[0] WireSpeed[1] TSOcap[1]
eth0: dma_rwctrl[76180000] dma_mask[64-bit]
input: PC Speaker as /class/input/input3
cs: IO port probe 0x100-0x3af: excluding 0x370-0x377
cs: IO port probe 0x3e0-0x4ff: excluding 0x3f0-0x3ff
cs: IO port probe 0x820-0x8ff: clean.
cs: IO port probe 0xc00-0xcf7: clean.
cs: IO port probe 0xa00-0xaff: clean.
ipw2200: Intel(R) PRO/Wireless 2200/2915 Network Driver, 1.1.2kmprq
ipw2200: Copyright(c) 2003-2006 Intel Corporation
ACPI: PCI Interrupt 0000:03:03.0[A] -> GSI 17 (level, low) -> IRQ 209
ipw2200: Detected Intel PRO/Wireless 2915ABG Network Connection
sd 0:0:0:0: Attached scsi generic sg0 type 0
scsi 1:0:0:0: Attached scsi generic sg1 type 5
ipw2200: Detected geography ZZE (13 802.11bg channels, 19 802.11a channels)
ACPI: PCI Interrupt 0000:00:1e.2[A] -> GSI 16 (level, low) -> IRQ 169
PCI: Setting latency timer of device 0000:00:1e.2 to 64
sr0: scsi3-mmc drive: 24x/24x writer cd/rw xa/form2 cdda tray
Uniform CD-ROM driver Revision: 3.20
sr 1:0:0:0: Attached scsi CD-ROM sr0
Floppy drive(s): fd0 is 1.44M
intel8x0_measure_ac97_clock: measured 50491 usecs
intel8x0: clocking to 48000
floppy0: no floppy controllers found
Floppy drive(s): fd0 is 1.44M
floppy0: no floppy controllers found
lp: driver loaded but no devices found
ACPI: AC Adapter [AC] (off-line)
ACPI: Battery Slot [BAT0] (battery present)
ACPI: Battery Slot [BAT1] (battery absent)
ACPI: Lid Switch [LID]
ACPI: Power Button (CM) [PBTN]
ACPI: Sleep Button (CM) [SBTN]
ACPI: ACPI Dock Station Driver
ibm_acpi: ec object not found
ACPI: Video Device [VID] (multi-head: yes rom: no post: no)
md: Autodetecting RAID arrays.

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md: autorun ...
md: ... autorun DONE.
device-mapper: ioctl: 4.7.0-ioctl (2006-06-24) initialised: dm-devel@xxxxxxxxxxx
EXT3 FS on sda3, internal journal
kjournald starting. Commit interval 5 seconds
EXT3 FS on sda6, internal journal
EXT3-fs: mounted filesystem with ordered data mode.
Adding 1052216k swap on /dev/sda5. Priority:-1 extents:1 across:1052216k
Linux version 2.6.18-1.2849_1.fc6.cubbi_suspend2 (root@kobayashi-maru) (gcc version 4.1.1 20061011
(Red Hat 4.1.1-30)) #1 SMP Mon Nov 13 11:28:58 CET 2006
BIOS-provided physical RAM map:
BIOS-e820: 0000000000000000 - 000000000009f000 (usable)
BIOS-e820: 000000000009f000 - 00000000000a0000 (reserved)
BIOS-e820: 0000000000100000 - 00000000003ffd8000 (usable)
BIOS-e820: 00000000003ffd8000 - 000000000040000000 (reserved)
BIOS-e820: 00000000e0000000 - 00000000f0007000 (reserved)
BIOS-e820: 00000000f0008000 - 00000000f000c000 (reserved)
BIOS-e820: 00000000fec00000 - 00000000fec10000 (reserved)
BIOS-e820: 00000000fed20000 - 00000000fee10000 (reserved)
BIOS-e820: 00000000ffb00000 - 0000000100000000 (reserved)
127MB HIGHMEM available.
896MB LOWMEM available.
Using x86 segment limits to approximate NX protection
On node 0 totalpages: 262104
DMA zone: 4096 pages, LIFO batch:0
Normal zone: 225280 pages, LIFO batch:31
HighMem zone: 32728 pages, LIFO batch:7
DMI 2.3 present.
Using APIC driver default
IO/L-APIC allowed because system is MP or new enough
ACPI: RSDP (v000 DELL ) @ 0x000fc9b0
ACPI: RSDT (v001 DELL D05 0x27d60314 ASL 0x00000061) @ 0x3ffd8790
ACPI: FADT (v001 DELL D05 0x27d60314 ASL 0x00000061) @ 0x3ffd9400
ACPI: MADT (v001 DELL D05 0x27d60314 ASL 0x00000047) @ 0x3ffd9c00
ACPI: ASF! (v016 DELL D05 0x27d60314 ASL 0x00000061) @ 0x3ffd9800
ACPI: MCFG (v016 DELL D05 0x27d60314 ASL 0x00000061) @ 0x3ffd9bc0
ACPI: BOOT (v001 DELL D05 0x27d60314 ASL 0x00000061) @ 0x3ffd97c0
ACPI: SSDT (v001 PmRef Cpu0Ist 0x00003000 INTL 0x20030522) @ 0x3ffd8bea
ACPI: SSDT (v001 PmRef Cpu0Cst 0x00003001 INTL 0x20030522) @ 0x3ffd8a12
ACPI: SSDT (v001 PmRef CpuPm 0x00003000 INTL 0x20030522) @ 0x3ffd8817
ACPI: DSDT (v001 INT430 SYSFexxx 0x00001001 MSFT 0x0100000e) @ 0x00000000
ACPI: PM-Timer IO Port: 0x1008
ACPI: Local APIC address 0xfe00000
ACPI: LAPIC (acpi_id[0x00] lapic_id[0x00] enabled)
Processor #0 6:13 APIC version 20
ACPI: LAPIC (acpi_id[0x01] lapic_id[0x01] disabled)
ACPI: LAPIC_NMI (acpi_id[0x00] high edge lint[0x1])
ACPI: LAPIC_NMI (acpi_id[0x01] high edge lint[0x1])
ACPI: IOAPIC (id[0x01] address[0xfec00000] gsi_base[0])
IOAPIC[0]: apic_id 1, version 32, address 0xfec00000, GSI 0-23
ACPI: INT_SRC_OVR (bus 0 bus_irq 0 global_irq 2 dfl dfl)
```

Re: DELL Latitude D810 asks for pci=assign-busses

ACPI: INT_SRC_OVR (bus 0 bus_irq 9 global_irq 9 high level)
ACPI: IRQ0 used by override.
ACPI: IRQ2 used by override.
ACPI: IRQ9 used by override.
Enabling APIC mode: Flat. Using 1 I/O APICs
Using ACPI (MADT) for SMP configuration information
Allocating PCI resources starting at 50000000 (gap: 40000000:a0000000)
Detected 1862.128 MHz processor.
Built 1 zonelists. Total pages: 262104
Kernel command line: ro root=LABEL=/ rhgb quiet selinux=0 video=vesafb vga=791
resume2=swap:/dev/sda5 combined_mode=libata ide0=noprobe ide1=noprobe single
ide_setup: ide0=noprobe
ide_setup: ide1=noprobe
mapped APIC to ffffd000 (fee00000)
mapped IOAPIC to fffc000 (fec00000)
Enabling fast FPU save and restore... done.
Enabling unmasked SIMD FPU exception support... done.
Initializing CPU#0
CPU 0 irqstacks, hard=c07bf000 soft=c079f000
PID hash table entries: 4096 (order: 12, 16384 bytes)
Console: colour dummy device 80x25
Dentry cache hash table entries: 131072 (order: 7, 524288 bytes)
Inode-cache hash table entries: 65536 (order: 6, 262144 bytes)
Memory: 1028760k/1048416k available (2172k kernel code, 18956k reserved, 885k data, 244k init, 130912k
highmem)
Checking if this processor honours the WP bit even in supervisor mode... Ok.
Calibrating delay using timer specific routine.. 3726.35 BogoMIPS (lpj=1863179)
Security Framework v1.0.0 initialized
SELinux: Disabled at boot.
Capability LSM initialized
Mount-cache hash table entries: 512
CPU: After generic identify, caps: afe9fbff 00100000 00000000 00000000 00000180 00000000 00000000
CPU: After vendor identify, caps: afe9fbff 00100000 00000000 00000000 00000180 00000000 00000000
CPU: L1 I cache: 32K, L1 D cache: 32K
CPU: L2 cache: 2048K
CPU: After all inits, caps: afe9f3ff 00100000 00000000 00000040 00000180 00000000 00000000
Intel machine check architecture supported.
Intel machine check reporting enabled on CPU#0.
Checking 'hlt' instruction... OK.
SMP alternatives: switching to UP code
Freeing SMP alternatives: 16k freed
checking if image is initramfs... it is
Freeing initrd memory: 5505k freed
ACPI: Core revision 20060707
ACPI: Looking for DSDT in initramfs... error, file /DSDT.aml not found.
CPU0: Intel(R) Pentium(R) M processor 1.86GHz stepping 08
Total of 1 processors activated (3726.35 BogoMIPS).
ENABLING IO-APIC IRQs
..TIMER: vector=0x31 apic1=0 pin1=2 apic2=-1 pin2=-1
Brought up 1 CPUs
sizeof(vma)=84 bytes

Re: DELL Latitude D810 asks for pci=assign-busses

sizeof(page)=32 bytes
sizeof(inode)=424 bytes
sizeof(dentry)=148 bytes
sizeof(ext3inode)=600 bytes
sizeof(buffer_head)=52 bytes
sizeof(skbuff)=172 bytes
sizeof(task_struct)=1392 bytes
NET: Registered protocol family 16
ACPI: bus type pci registered
PCI: Using MMCONFIG
Setting up standard PCI resources
ACPI (exconfig-0455): Dynamic SSDT Load - OemId [LMPWR] OemTableId [DELLLOM] [20060707]
ACPI: Interpreter enabled
ACPI: Using IOAPIC for interrupt routing
ACPI: PCI Root Bridge [PCI0] (0000:00)
PCI: Probing PCI hardware (bus 00)
ACPI: Assume root bridge [_SB_.PCI0] bus is 0
PCI quirk: region 1000-107f claimed by ICH6 ACPI/GPIO/TCO
PCI quirk: region 1080-10bf claimed by ICH6 GPIO
PCI: Ignoring BAR0-3 of IDE controller 0000:00:1f.2
Boot video device is 0000:01:00.0
PCI: Transparent bridge - 0000:00:1e.0
PCI: Bus #04 (-#07) is hidden behind transparent bridge #03 (-#04) (try 'pci=assign-busses')
Please report the result to linux-kernel to fix this permanently
ACPI: PCI Interrupt Routing Table [_SB_.PCI0._PRT]
ACPI: PCI Interrupt Link [LNKA] (IRQs 9 10 *11)
ACPI: PCI Interrupt Link [LNKB] (IRQs 5 7) *10
ACPI: PCI Interrupt Link [LNKC] (IRQs *9 10 11)
ACPI: PCI Interrupt Link [LNKD] (IRQs 5 *7 9 10 11)
ACPI: PCI Interrupt Link [LNKE] (IRQs 3 4 5 6 7 9 10 11 12 14 15) *0, disabled.
ACPI: PCI Interrupt Link [LNKF] (IRQs 3 4 5 6 7 9 10 11 12 14 15) *0, disabled.
ACPI: PCI Interrupt Link [LNKH] (IRQs 3 4 5 6 7 9 10 11 12 14 15) *0, disabled.
ACPI: PCI Interrupt Routing Table [_SB_.PCI0.AGP._PRT]
ACPI: PCI Interrupt Routing Table [_SB_.PCI0.PCIE._PRT]
Linux Plug and Play Support v0.97 (c) Adam Belay
pnp: PnP ACPI init
pnp: PnP ACPI: found 13 devices
usbcore: registered new driver usbfs
usbcore: registered new driver hub
PCI: Using ACPI for IRQ routing
PCI: If a device doesn't work, try "pci=routeirq". If it helps, post a report
NetLabel: Initializing
NetLabel: domain hash size = 128
NetLabel: protocols = UNLABELED CIPSOv4
NetLabel: unlabeled traffic allowed by default
pnp: 00:02: ioport range 0x4d0-0x4d1 has been reserved
pnp: 00:02: ioport range 0x1000-0x1005 could not be reserved
pnp: 00:02: ioport range 0x1008-0x100f could not be reserved
pnp: 00:03: ioport range 0xf400-0xf4fe has been reserved
pnp: 00:03: ioport range 0x1006-0x1007 has been reserved
pnp: 00:03: ioport range 0x100a-0x1059 could not be reserved

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pnP: 00:03: ioport range 0x1060–0x107f has been reserved
pnP: 00:03: ioport range 0x1080–0x10bf has been reserved
pnP: 00:03: ioport range 0x10c0–0x10df has been reserved
pnP: 00:08: ioport range 0x900–0x90f has been reserved
pnP: 00:08: ioport range 0x910–0x91f has been reserved
pnP: 00:08: ioport range 0x920–0x92f has been reserved
pnP: 00:08: ioport range 0x93c–0x93f has been reserved
pnP: 00:08: ioport range 0x940–0x97f has been reserved
PCI: Bridge: 0000:00:01.0
IO window: d000–dfff
MEM window: dfd00000–dfefffff
PREFETCH window: d0000000–d7ffffff
PCI: Bridge: 0000:00:1c.0
IO window: disabled.
MEM window: dfc00000–dfcfffff
PREFETCH window: disabled.
PCI: Bus 4, cardbus bridge: 0000:03:01.0
IO window: 00002000–000020ff
IO window: 00002400–000024ff
PREFETCH window: 50000000–51ffffff
MEM window: 52000000–53ffffff
PCI: Bridge: 0000:00:1e.0
IO window: 2000–2fff
MEM window: dfb00000–dfbfffff
PREFETCH window: 50000000–51ffffff
ACPI: PCI Interrupt 0000:00:01.0[A] -> GSI 16 (level, low) -> IRQ 169
PCI: Setting latency timer of device 0000:00:01.0 to 64
ACPI: PCI Interrupt 0000:00:1c.0[A] -> GSI 16 (level, low) -> IRQ 169
PCI: Setting latency timer of device 0000:00:1c.0 to 64
PCI: Setting latency timer of device 0000:00:1e.0 to 64
PCI: Enabling device 0000:03:01.0 (0000 -> 0003)
ACPI: PCI Interrupt 0000:03:01.0[A] -> GSI 19 (level, low) -> IRQ 177
NET: Registered protocol family 2
IP route cache hash table entries: 32768 (order: 5, 131072 bytes)
TCP established hash table entries: 131072 (order: 9, 2621440 bytes)
TCP bind hash table entries: 65536 (order: 8, 1310720 bytes)
TCP: Hash tables configured (established 131072 bind 65536)
TCP reno registered
Simple Boot Flag at 0x79 set to 0x1
apm: BIOS not found.
audit: initializing netlink socket (disabled)
audit(1163540272.844:1): initialized
highmem bounce pool size: 64 pages
Total HugeTLB memory allocated, 0
VFS: Disk quotas dquot_6.5.1
Dquot-cache hash table entries: 1024 (order 0, 4096 bytes)
Initializing Cryptographic API
ksign: Installing public key data
Loading keyring
– Added public key 507BF9578DF663
– User ID: ATrpms (Kernel Module GPG key)

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io scheduler noop registered
io scheduler anticipatory registered
io scheduler deadline registered
io scheduler cfq registered (default)
PCI: Setting latency timer of device 0000:00:01.0 to 64
assign_interrupt_mode Found MSI capability
Allocate Port Service[0000:00:01.0:pcie00]
Allocate Port Service[0000:00:01.0:pcie03]
PCI: Setting latency timer of device 0000:00:1c.0 to 64
assign_interrupt_mode Found MSI capability
Allocate Port Service[0000:00:1c.0:pcie00]
Allocate Port Service[0000:00:1c.0:pcie02]
Allocate Port Service[0000:00:1c.0:pcie03]
pci_hotplug: PCI Hot Plug PCI Core version: 0.5
Real Time Clock Driver v1.12ac
Non-volatile memory driver v1.2
Linux agpgart interface v0.101 (c) Dave Jones
vesafb: framebuffer at 0xd0000000, mapped to 0xf8880000, using 3072k, total 131008k
vesafb: mode is 1024x768x16, linelength=2048, pages=84
vesafb: protected mode interface info at c000:5b0b
vesafb: pmi: set display start = c00c5b79, set palette = c00c5bb3
vesafb: pmi: ports = de10 de16 de54 de38 de3c de5c de00 de04 deb0 deb2 deb4
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
ACPI: CPU0 (power states: C1[C1] C2[C2] C3[C3] C4[C3])
ACPI: Processor [CPU0] (supports 8 throttling states)
ACPI Exception (acpi_processor-0681): AE_NOT_FOUND, Processor Device is not present [20060707]
ACPI: Getting cpuindex for acpiid 0x1
ACPI: Thermal Zone [THM] (56 C)
isapnp: Scanning for PnP cards...
isapnp: No Plug & Play device found
Serial: 8250/16550 driver \$Revision: 1.90 \$ 4 ports, IRQ sharing enabled
serial8250: ttyS0 at I/O 0x3f8 (irq = 4) is a 16550A
00:0b: ttyS0 at I/O 0x3f8 (irq = 4) is a 16550A
RAMDISK driver initialized: 16 RAM disks of 16384K size 4096 blocksize
Uniform Multi-Platform E-IDE driver Revision: 7.00alpha2
ide: Assuming 33MHz system bus speed for PIO modes; override with idebus=xx
Probing IDE interface ide2...
Probing IDE interface ide3...
Probing IDE interface ide4...
Probing IDE interface ide5...
ide-floppy driver 0.99.newide
Yenta: CardBus bridge found at 0000:03:01.0 [1028:0186]
Yenta: Using CSCINT to route CSC interrupts to PCI
Yenta: Routing CardBus interrupts to PCI
Yenta TI: socket 0000:03:01.0, mfunc 0x01111122, devctl 0x64
Yenta: ISA IRQ mask 0x0cf8, PCI irq 177
Socket status: 30000006
Yenta: Raising subordinate bus# of parent bus (#03) from #04 to #07

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pcmcia: parent PCI bridge I/O window: 0x2000 – 0x2fff
cs: IO port probe 0x2000–0x2fff: clean.
pcmcia: parent PCI bridge Memory window: 0xdfb00000 – 0xdfbfffff
pcmcia: parent PCI bridge Memory window: 0x50000000 – 0x51ffffff
usbcore: registered new driver libusual
usbcore: registered new driver hiddev
usbcore: registered new driver usbhid
drivers/usb/input/hid-core.c: v2.6:USB HID core driver
PNP: PS/2 Controller [PNP0303:KBC,PNP0f13:PS2M] at 0x60,0x64 irq 1,12
serio: i8042 AUX port at 0x60,0x64 irq 12
serio: i8042 KBD port at 0x60,0x64 irq 1
mice: PS/2 mouse device common for all mice
md: md driver 0.90.3 MAX_MD_DEVS=256, MD_SB_DISKS=27
md: bitmap version 4.39
TCP bic registered
Initializing IPsec netlink socket
NET: Registered protocol family 1
NET: Registered protocol family 17
Using IPI No-Shortcut mode
Suspend2 Core.
Suspend2 Userspace UI Support module loaded.
Suspend2 Userspace Storage Manager module loaded.
Suspend2 Compressor module loaded.
Suspend2 Encryptor module loaded.
Suspend2 Block I/O module loaded.
Suspend2 Swap Allocator module loaded.
Suspend2 File Allocator module loaded.
Time: tsc clocksource has been installed.
ACPI: (supports S0 S3 S4 S5)
Freeing unused kernel memory: 244k freed
Time: acpi_pm clocksource has been installed.
input: AT Translated Set 2 keyboard as /class/input/input0
USB Universal Host Controller Interface driver v3.0
ACPI: PCI Interrupt 0000:00:1d.0[A] -> GSI 16 (level, low) -> IRQ 169
PCI: Setting latency timer of device 0000:00:1d.0 to 64
uhci_hcd 0000:00:1d.0: UHCI Host Controller
uhci_hcd 0000:00:1d.0: new USB bus registered, assigned bus number 1
uhci_hcd 0000:00:1d.0: irq 169, io base 0x0000bf80
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 0000:00:1d.1[B] -> GSI 17 (level, low) -> IRQ 209
PCI: Setting latency timer of device 0000:00:1d.1 to 64
uhci_hcd 0000:00:1d.1: UHCI Host Controller
uhci_hcd 0000:00:1d.1: new USB bus registered, assigned bus number 2
uhci_hcd 0000:00:1d.1: irq 209, io base 0x0000bf60
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 0000:00:1d.2[C] -> GSI 18 (level, low) -> IRQ 217
PCI: Setting latency timer of device 0000:00:1d.2 to 64

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uhci_hcd 0000:00:1d.2: UHCI Host Controller
uhci_hcd 0000:00:1d.2: new USB bus registered, assigned bus number 3
uhci_hcd 0000:00:1d.2: irq 217, io base 0x0000bf40
usb usb3: configuration #1 chosen from 1 choice
hub 3-0:1.0: USB hub found
hub 3-0:1.0: 2 ports detected
ACPI: PCI Interrupt 0000:00:1d.3[D] -> GSI 19 (level, low) -> IRQ 177
PCI: Setting latency timer of device 0000:00:1d.3 to 64
uhci_hcd 0000:00:1d.3: UHCI Host Controller
uhci_hcd 0000:00:1d.3: new USB bus registered, assigned bus number 4
uhci_hcd 0000:00:1d.3: irq 177, io base 0x0000bf20
usb usb4: configuration #1 chosen from 1 choice
hub 4-0:1.0: USB hub found
hub 4-0:1.0: 2 ports detected
input: PS/2 Mouse as /class/input/input1
input: AlpsPS/2 ALPS GlidePoint as /class/input/input2
usb 2-1: new full speed USB device using uhci_hcd and address 2
ohci_hcd: 2005 April 22 USB 1.1 'Open' Host Controller (OHCI) Driver (PCI)
ACPI: PCI Interrupt 0000:00:1d.7[A] -> GSI 16 (level, low) -> IRQ 169
PCI: Setting latency timer of device 0000:00:1d.7 to 64
ehci_hcd 0000:00:1d.7: EHCI Host Controller
ehci_hcd 0000:00:1d.7: new USB bus registered, assigned bus number 5
ehci_hcd 0000:00:1d.7: debug port 1
PCI: cache line size of 32 is not supported by device 0000:00:1d.7
ehci_hcd 0000:00:1d.7: irq 169, io mem 0xffa80800
ehci_hcd 0000:00:1d.7: USB 2.0 started, EHCI 1.00, driver 10 Dec 2004
usb usb5: configuration #1 chosen from 1 choice
hub 5-0:1.0: USB hub found
hub 5-0:1.0: 8 ports detected
SCSI subsystem initialized
libata version 2.00 loaded.
ata_piix 0000:00:1f.2: version 2.00
ata_piix 0000:00:1f.2: MAP [P0 P2 IDE IDE]
ACPI: PCI Interrupt 0000:00:1f.2[B] -> GSI 17 (level, low) -> IRQ 209
PCI: Setting latency timer of device 0000:00:1f.2 to 64
ata1: SATA max UDMA/133 cmd 0x1F0 ctl 0x3F6 bmdma 0xBFA0 irq 14
scsi0 : ata_piix
ata1.00: ATA-6, max UDMA/100, 156301488 sectors: LBA48
ata1.00: ata1: dev 0 multi count 8
ata1.00: applying bridge limits
ata1.00: configured for UDMA/100
Vendor: ATA Model: TOSHIBA MK8032GA Rev: AD00
Type: Direct-Access ANSI SCSI revision: 05
SCSI device sda: 156301488 512-byte hdwr sectors (80026 MB)
sda: Write Protect is off
sda: Mode Sense: 00 3a 00 00
SCSI device sda: drive cache: write back
SCSI device sda: 156301488 512-byte hdwr sectors (80026 MB)
sda: Write Protect is off
sda: Mode Sense: 00 3a 00 00
SCSI device sda: drive cache: write back

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sda: sda1 sda2 sda3 sda4 <<6>usb 2-1: new full speed USB device using uhci_hcd and address 3
sda5 sda6 >
sd 0:0:0:0: Attached scsi disk sda
ata2: PATA max UDMA/100 cmd 0x170 ctl 0x376 bmdma 0xBFA8 irq 15
scsi1 : ata_piix
usb 2-1: configuration #1 chosen from 1 choice
ata2.00: ATAPI, max UDMA/33
ata2.00: configured for UDMA/33
Vendor: _NEC Model: DVD+-RW ND-6650A Rev: 102C
Type: CD-ROM ANSI SCSI revision: 05
Suspend2 2.2.8.4: SwapAllocator: Signature found.
Suspend2 2.2.8.4: Resuming enabled.
Suspend2 2.2.8.4: Normal swapspace found.
Suspend2 2.2.8.4: No image found.
Suspend2 2.2.8.4: SwapAllocator: Signature found.
Suspend2 2.2.8.4: Resuming enabled.
Suspend2 2.2.8.4: Normal swapspace found.
Suspend2 2.2.8.4: No image found.
kjournald starting. Commit interval 5 seconds
EXT3-fs: mounted filesystem with ordered data mode.
Bluetooth: Core ver 2.10
NET: Registered protocol family 31
Bluetooth: HCI device and connection manager initialized
Bluetooth: HCI socket layer initialized
Bluetooth: HCI USB driver ver 2.9
usbcore: registered new driver hci_usb
tg3.c:v3.65 (August 07, 2006)
ACPI: PCI Interrupt 0000:02:00.0[A] -> GSI 16 (level, low) -> IRQ 169
PCI: Setting latency timer of device 0000:02:00.0 to 64
eth0: Tigon3 [partno(BCM95751) rev 4001 PHY(5750)] (PCI Express) 10/100/1000BaseT Ethernet
00:14:22:f5:4e:6e
eth0: RXcsums[1] LinkChgREG[1] MIrq[1] ASF[0] Split[0] WireSpeed[1] TSOcap[1]
eth0: dma_rwctrl[76180000] dma_mask[64-bit]
intel_rng: FWH not detected
ieee80211_crypt: registered algorithm 'NULL'
ieee80211: 802.11 data/management/control stack, git-1.1.13
ieee80211: Copyright (C) 2004-2005 Intel Corporation <jketreno@xxxxxxxxxxxxxxxx>
ipw2200: Intel(R) PRO/Wireless 2200/2915 Network Driver, 1.1.2kmprq
ipw2200: Copyright(c) 2003-2006 Intel Corporation
ACPI: PCI Interrupt 0000:03:03.0[A] -> GSI 17 (level, low) -> IRQ 209
ipw2200: Detected Intel PRO/Wireless 2915ABG Network Connection
agpgart: Detected an Intel 915GM Chipset.
agpgart: AGP aperture is 256M @ 0x0
input: PC Speaker as /class/input/input3
sd 0:0:0:0: Attached scsi generic sg0 type 0
scsi 1:0:0:0: Attached scsi generic sg1 type 5
ipw2200: Detected geography ZZE (13 802.11bg channels, 19 802.11a channels)
cs: IO port probe 0x100-0x3af: excluding 0x370-0x377
cs: IO port probe 0x3e0-0x4ff: excluding 0x3f0-0x3ff
cs: IO port probe 0x820-0x8ff: clean.
cs: IO port probe 0xc00-0xcf7: clean.

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cs: IO port probe 0xa00-0xaff: clean.
sr0: scsi3-mmc drive: 24x/24x writer cd/rw xa/form2 cdda tray
Uniform CD-ROM driver Revision: 3.20
sr 1:0:0:0: Attached scsi CD-ROM sr0
Floppy drive(s): fd0 is 1.44M
ACPI: PCI Interrupt 0000:00:1e.2[A] -> GSI 16 (level, low) -> IRQ 169
PCI: Setting latency timer of device 0000:00:1e.2 to 64
intel8x0_measure_ac97_clock: measured 50497 usecs
intel8x0: clocking to 48000
floppy0: no floppy controllers found
Floppy drive(s): fd0 is 1.44M
floppy0: no floppy controllers found
lp: driver loaded but no devices found
ACPI: AC Adapter [AC] (off-line)
ACPI: Battery Slot [BAT0] (battery present)
ACPI: Battery Slot [BAT1] (battery absent)
ACPI: Lid Switch [LID]
ACPI: Power Button (CM) [PBTN]
ACPI: Sleep Button (CM) [SBTN]
ACPI: ACPI Dock Station Driver
ibm_acpi: ec object not found
ACPI: Video Device [VID] (multi-head: yes rom: no post: no)
md: Autodetecting RAID arrays.
md: autorun ...
md: ... autorun DONE.
device-mapper: ioctl: 4.7.0-ioctl (2006-06-24) initialised: dm-devel@xxxxxxxxxxx
EXT3 FS on sda3, internal journal
kjournald starting. Commit interval 5 seconds
EXT3 FS on sda6, internal journal
EXT3-fs: mounted filesystem with ordered data mode.
Adding 1052216k swap on /dev/sda5. Priority:-1 extents:1 across:1052216k
00:00.0 Host bridge: Intel Corporation Mobile 915GM/PM/GMS/910GML Express Processor to DRAM Controller (rev 03)
Subsystem: Dell Unknown device 0186
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-
Latency: 0
Capabilities: [e0] Vendor Specific Information

00:01.0 PCI bridge: Intel Corporation Mobile 915GM/PM Express PCI Express Root Port (rev 03) (prog-if 00 [Normal decode])
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-
Latency: 0, Cache Line Size: 64 bytes
Bus: primary=00, secondary=01, subordinate=01, sec-latency=0
I/O behind bridge: 0000d000-0000dfff
Memory behind bridge: dfd00000-dfefffff

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Prefetchable memory behind bridge: d0000000-d7ffff
Secondary status: 66MHz- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort- <MAbort+ <SERR- <PERR-
BridgeCtl: Parity- SERR+ NoISA+ VGA+ MAbort- >Reset- FastB2B-
Capabilities: [88] #0d [0000]
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-
Capabilities: [90] Message Signalled Interrupts: 64bit- Queue=0/0 Enable+
Address: fee00000 Data: 40c1
Capabilities: [a0] Express Root Port (Slot+) IRQ 0
Device: Supported: MaxPayload 128 bytes, PhantFunc 0, ExtTag-
Device: Latency L0s <64ns, L1 <1us
Device: Errors: Correctable- Non-Fatal- Fatal- Unsupported-
Device: RlxdOrd- ExtTag- PhantFunc- AuxPwr- NoSnoop-
Device: MaxPayload 128 bytes, MaxReadReq 128 bytes
Link: Supported Speed 2.5Gb/s, Width x16, ASPM L0s L1, Port 2
Link: Latency L0s <256ns, L1 <4us
Link: ASPM L1 Enabled RCB 64 bytes CommClk+ ExtSynch-
Link: Speed 2.5Gb/s, Width x16
Slot: AtnBtn- PwrCtrl- MRL- AtnInd- PwrInd- HotPlug- Surprise-
Slot: Number 1, PowerLimit 75.000000
Slot: Enabled AtnBtn- PwrFlt- MRL- PresDet- CmdCplt- HPIrq-
Slot: AttnInd Off, PwrInd On, Power-
Root: Correctable- Non-Fatal- Fatal- PME-
Capabilities: [100] Virtual Channel
Capabilities: [140] Unknown (5)

00:1c.0 PCI bridge: Intel Corporation 82801FB/FBM/FR/FW/FRW (ICH6 Family) PCI Express Port 1 (rev 03) (prog-if 00 [Normal decode])
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-
Latency: 0, Cache Line Size: 64 bytes
Bus: primary=00, secondary=02, subordinate=02, sec-latency=0
I/O behind bridge: 0000f000-00000fff
Memory behind bridge: dfc00000-dfcffff
Prefetchable memory behind bridge: 00000000fff00000-0000000000000000
Secondary status: 66MHz- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort- <MAbort+ <SERR- <PERR-
BridgeCtl: Parity- SERR+ NoISA+ VGA- MAbort- >Reset- FastB2B-
Capabilities: [40] Express Root Port (Slot+) IRQ 0
Device: Supported: MaxPayload 128 bytes, PhantFunc 0, ExtTag+
Device: Latency L0s unlimited, L1 unlimited
Device: Errors: Correctable- Non-Fatal- Fatal- Unsupported-
Device: RlxdOrd- ExtTag- PhantFunc- AuxPwr- NoSnoop-
Device: MaxPayload 128 bytes, MaxReadReq 128 bytes
Link: Supported Speed 2.5Gb/s, Width x1, ASPM L0s L1, Port 1
Link: Latency L0s <256ns, L1 <4us
Link: ASPM Disabled RCB 64 bytes CommClk+ ExtSynch-

Re: DELL Latitude D810 asks for pci=assign-busses

Link: Speed 2.5Gb/s, Width x1
Slot: AtnBtn- PwrCtrl- MRL- AtnInd- PwrInd- HotPlug+ Surprise+
Slot: Number 2, PowerLimit 6.500000
Slot: Enabled AtnBtn- PwrFlt- MRL- PresDet- CmdCplt- HPIrq-
Slot: AttnInd Unknown, PwrInd Unknown, Power-
Root: Correctable- Non-Fatal- Fatal- PME-
Capabilities: [80] Message Signalled Interrupts: 64bit- Queue=0/0 Enable+
Address: fee00000 Data: 40c9
Capabilities: [90] #0d [0000]
Capabilities: [a0] 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: [100] Virtual Channel
Capabilities: [180] Unknown (5)

00:1d.0 USB Controller: Intel Corporation 82801FB/FBM/FR/FW/FRW (ICH6 Family) USB UHCI #1 (rev 03) (prog-if 00 [UHCI])
Subsystem: Dell Unknown device 0186
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
Interrupt: pin A routed to IRQ 169
Region 4: I/O ports at bf80 [size=32]

00:1d.1 USB Controller: Intel Corporation 82801FB/FBM/FR/FW/FRW (ICH6 Family) USB UHCI #2 (rev 03) (prog-if 00 [UHCI])
Subsystem: Dell Unknown device 0186
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
Interrupt: pin B routed to IRQ 209
Region 4: I/O ports at bf60 [size=32]

00:1d.2 USB Controller: Intel Corporation 82801FB/FBM/FR/FW/FRW (ICH6 Family) USB UHCI #3 (rev 03) (prog-if 00 [UHCI])
Subsystem: Dell Unknown device 0186
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
Interrupt: pin C routed to IRQ 217
Region 4: I/O ports at bf40 [size=32]

00:1d.3 USB Controller: Intel Corporation 82801FB/FBM/FR/FW/FRW (ICH6 Family) USB UHCI #4 (rev 03) (prog-if 00 [UHCI])
Subsystem: Dell Unknown device 0186

Re: DELL Latitude D810 asks for pci=assign-busses

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
Interrupt: pin D routed to IRQ 177
Region 4: I/O ports at bf20 [size=32]

00:1d.7 USB Controller: Intel Corporation 82801FB/FBM/FR/FW/FRW (ICH6 Family) USB2 EHCI Controller (rev 03) (prog-if 20 [EHCI])
Subsystem: Dell Unknown device 0186
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
Interrupt: pin A routed to IRQ 169
Region 0: Memory at ffa80800 (32-bit, non-prefetchable) [size=1K]
Capabilities: [50] 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-
Capabilities: [58] Debug port

00:1e.0 PCI bridge: Intel Corporation 82801 Mobile PCI Bridge (rev d3) (prog-if 01 [Subtractive decode])
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-
Latency: 0
Bus: primary=00, secondary=03, subordinate=07, sec-latency=32
I/O behind bridge: 00002000-00002fff
Memory behind bridge: dfb00000-dfbfffff
Prefetchable memory behind bridge: 0000000050000000-0000000051f00000
Secondary status: 66MHz- FastB2B+ ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort+ <SERR- <PERR-
BridgeCtl: Parity- SERR+ NoISA+ VGA- MAbort- >Reset- FastB2B-
Capabilities: [50] #0d [0000]

00:1e.2 Multimedia audio controller: Intel Corporation 82801FB/FBM/FR/FW/FRW (ICH6 Family) AC'97 Audio Controller (rev 03)
Subsystem: Dell Unknown device 0186
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
Interrupt: pin A routed to IRQ 169
Region 0: I/O ports at ed00 [size=256]
Region 1: I/O ports at ec40 [size=64]
Region 2: Memory at dffffe00 (32-bit, non-prefetchable) [size=512]
Region 3: Memory at dffffd00 (32-bit, non-prefetchable) [size=256]

Re: DELL Latitude D810 asks for pci=assign-busses

Capabilities: [50] 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-

00:1f.0 ISA bridge: Intel Corporation 82801FBM (ICH6M) LPC Interface Bridge (rev 03)

Subsystem: Dell Unknown device 0186

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

00:1f.2 IDE interface: Intel Corporation 82801FBM (ICH6M) SATA Controller (rev 03) (prog-if 80 [Master])

Subsystem: Dell Unknown device 0186

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

Interrupt: pin B routed to IRQ 209

Region 0: I/O ports at <ignored>

Region 1: I/O ports at <ignored>

Region 2: I/O ports at <ignored>

Region 3: I/O ports at <ignored>

Region 4: I/O ports at bfa0 [size=16]

Capabilities: [70] 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-

01:00.0 VGA compatible controller: ATI Technologies Inc M24 1P [Radeon Mobility X600] (prog-if 00 [VGA])

Subsystem: Dell Unknown device 2002

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-

Latency: 0, Cache Line Size: 64 bytes

Interrupt: pin A routed to IRQ 11

Region 0: Memory at d0000000 (32-bit, prefetchable) [size=128M]

Region 1: I/O ports at de00 [size=256]

Region 2: Memory at ddfd0000 (32-bit, non-prefetchable) [size=64K]

Expansion ROM at dfe00000 [disabled] [size=128K]

Capabilities: [50] 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] Express Endpoint IRQ 0

Device: Supported: MaxPayload 128 bytes, PhantFunc 0, ExtTag+

Device: Latency L0s <256ns, L1 <4us

Device: AtnBtn- AtnInd- PwrInd-

Device: Errors: Correctable- Non-Fatal- Fatal- Unsupported-

Re: DELL Latitude D810 asks for pci=assign-busses

Device: RlxdOrd+ ExtTag- PhantFunc- AuxPwr- NoSnoop+
Device: MaxPayload 128 bytes, MaxReadReq 128 bytes
Link: Supported Speed 2.5Gb/s, Width x16, ASPM L0s L1, Port 0
Link: Latency L0s <256ns, L1 <2us
Link: ASPM L1 Enabled RCB 64 bytes CommClk+ ExtSynch-
Link: Speed 2.5Gb/s, Width x16
Capabilities: [80] Message Signalled Interrupts: 64bit+ Queue=0/0 Enable-
Address: 0000000000000000 Data: 0000
Capabilities: [100] Advanced Error Reporting

02:00.0 Ethernet controller: Broadcom Corporation NetXtreme BCM5751 Gigabit Ethernet PCI Express (rev 01)

Subsystem: Dell Unknown device 0186
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-
Latency: 0, Cache Line Size: 64 bytes
Interrupt: pin A routed to IRQ 169
Region 0: Memory at dfcf0000 (64-bit, non-prefetchable) [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: 64bit+ Queue=0/3 Enable-
Address: dcc69007d2244008 Data: e180
Capabilities: [d0] Express Endpoint IRQ 0
Device: Supported: MaxPayload 128 bytes, PhantFunc 0, ExtTag+
Device: Latency L0s <4us, L1 unlimited
Device: AtnBtn- AtnInd- PwrInd-
Device: Errors: Correctable- Non-Fatal- Fatal- Unsupported-
Device: RlxdOrd- ExtTag- PhantFunc- AuxPwr- NoSnoop-
Device: MaxPayload 128 bytes, MaxReadReq 512 bytes
Link: Supported Speed 2.5Gb/s, Width x1, ASPM L0s, Port 0
Link: Latency L0s <2us, L1 <64us
Link: ASPM Disabled RCB 64 bytes CommClk+ ExtSynch-
Link: Speed 2.5Gb/s, Width x1
Capabilities: [100] Advanced Error Reporting
Capabilities: [13c] Virtual Channel

03:01.0 CardBus bridge: Texas Instruments PCI6515 Cardbus Controller

Subsystem: Dell Unknown device 0186
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, Cache Line Size: 128 bytes
Interrupt: pin A routed to IRQ 177
Region 0: Memory at dfb00000 (32-bit, non-prefetchable) [size=4K]
Bus: primary=03, secondary=04, subordinate=07, sec-latency=176
Memory window 0: 50000000-51fff000 (prefetchable)

Re: DELL Latitude D810 asks for pci=assign-busses

Memory window 1: 52000000-53fff000

I/O window 0: 00002000-000020ff

I/O window 1: 00002400-000024ff

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

03:01.5 Communication controller: Texas Instruments PCI6515 SmartCard Controller

Subsystem: Dell Unknown device 0186

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 A routed to IRQ 7

Region 0: Memory at dfbfd000 (32-bit, non-prefetchable) [size=4K]

Region 1: Memory at dfbfe000 (32-bit, non-prefetchable) [size=4K]

Capabilities: [44] 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-

03:03.0 Network controller: Intel Corporation PRO/Wireless 2915ABG Network Connection (rev 05)

Subsystem: Intel Corporation Unknown device 1021

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 (750ns min, 6000ns max), Cache Line Size: 64 bytes

Interrupt: pin A routed to IRQ 209

Region 0: Memory at dfbff000 (32-bit, non-prefetchable) [size=4K]

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=1 PME-

00:00.0 Host bridge: Intel Corporation Mobile 915GM/PM/GMS/910GML Express Processor to DRAM
Controller (rev 03)

Subsystem: Dell Unknown device 0186

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-

Latency: 0

Capabilities: [e0] Vendor Specific Information

00:01.0 PCI bridge: Intel Corporation Mobile 915GM/PM Express PCI Express Root Port (rev 03) (prog-if
00 [Normal decode])

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-

Latency: 0, Cache Line Size: 64 bytes

Bus: primary=00, secondary=01, subordinate=01, sec-latency=0

I/O behind bridge: 0000d000-0000dfff

Re: DELL Latitude D810 asks for pci=assign-busses

Memory behind bridge: dfd00000-dfeffff
Prefetchable memory behind bridge: d0000000-d7ffffff
Secondary status: 66MHz- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort- <MAbort+ <SERR- <PERR-
BridgeCtl: Parity- SERR+ NoISA- VGA+ MAbort- >Reset- FastB2B-
Capabilities: [88] #0d [0000]
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-
Capabilities: [90] Message Signalled Interrupts: 64bit- Queue=0/0 Enable+
Address: fee00000 Data: 40c1
Capabilities: [a0] Express Root Port (Slot+) IRQ 0
Device: Supported: MaxPayload 128 bytes, PhantFunc 0, ExtTag-
Device: Latency L0s <64ns, L1 <1us
Device: Errors: Correctable- Non-Fatal- Fatal- Unsupported-
Device: RlxdOrd- ExtTag- PhantFunc- AuxPwr- NoSnoop-
Device: MaxPayload 128 bytes, MaxReadReq 128 bytes
Link: Supported Speed 2.5Gb/s, Width x16, ASPM L0s L1, Port 2
Link: Latency L0s <256ns, L1 <4us
Link: ASPM L1 Enabled RCB 64 bytes CommClk+ ExtSynch-
Link: Speed 2.5Gb/s, Width x16
Slot: AtnBtn- PwrCtrl- MRL- AtnInd- PwrInd- HotPlug- Surprise-
Slot: Number 1, PowerLimit 75.000000
Slot: Enabled AtnBtn- PwrFlt- MRL- PresDet- CmdCplt- HPIrq-
Slot: AttnInd Off, PwrInd On, Power-
Root: Correctable- Non-Fatal- Fatal- PME-
Capabilities: [100] Virtual Channel
Capabilities: [140] Unknown (5)

00:1c.0 PCI bridge: Intel Corporation 82801FB/FBM/FR/FW/FRW (ICH6 Family) PCI Express Port 1 (rev 03) (prog-if 00 [Normal decode])
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-
Latency: 0, Cache Line Size: 64 bytes
Bus: primary=00, secondary=02, subordinate=02, sec-latency=0
I/O behind bridge: 0000f000-00000fff
Memory behind bridge: dfc00000-dfcffff
Prefetchable memory behind bridge: 00000000fff00000-0000000000000000
Secondary status: 66MHz- FastB2B- ParErr- DEVSEL=fast >TAbort- <TAbort- <MAbort+ <SERR- <PERR-
BridgeCtl: Parity- SERR+ NoISA- VGA- MAbort- >Reset- FastB2B-
Capabilities: [40] Express Root Port (Slot+) IRQ 0
Device: Supported: MaxPayload 128 bytes, PhantFunc 0, ExtTag+
Device: Latency L0s unlimited, L1 unlimited
Device: Errors: Correctable- Non-Fatal- Fatal- Unsupported-
Device: RlxdOrd- ExtTag- PhantFunc- AuxPwr- NoSnoop-
Device: MaxPayload 128 bytes, MaxReadReq 128 bytes
Link: Supported Speed 2.5Gb/s, Width x1, ASPM L0s L1, Port 1
Link: Latency L0s <256ns, L1 <4us

Re: DELL Latitude D810 asks for pci=assign-busses

Link: ASPM Disabled RCB 64 bytes CommClk+ ExtSynch-
Link: Speed 2.5Gb/s, Width x1
Slot: AtnBtn- PwrCtrl- MRL- AtnInd- PwrInd- HotPlug+ Surprise+
Slot: Number 2, PowerLimit 6.500000
Slot: Enabled AtnBtn- PwrFlt- MRL- PresDet- CmdCplt- HPIrq-
Slot: AttnInd Unknown, PwrInd Unknown, Power-
Root: Correctable- Non-Fatal- Fatal- PME-
Capabilities: [80] Message Signalled Interrupts: 64bit- Queue=0/0 E