

PCMCIA WLAN card initialization error

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2007-02/msg06532.html>

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 - *Date:* Sun, 18 Feb 2007 23:40:20 +0200
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Hi,

I have a Prism based PCMCIA WLAN card, which I want to use in my workstation PC. I am using a Ricoh RL5c475 based PCMCIA/PCI bridge to attach the card to one of the empty PCI slots. I want to use this PC as a wireless access point (with hostap), but first I want to make sure the card works, so I first want to use the card as a client to an existing wireless access point. So I compiled support into the linux kernel for only the hermes chipset and the yenta driver (no hostap right now).

The problem is that when iwconfig is issued, the wireless interface does not show up.

I am seeing some error or warning messages in the kernel logs, but I am not sure if they are relevant to this. For example:

```
...
orinoco 0.15 (David Gibson <hermes@xxxxxxxxxxxxxxxxxxxx>, Pavel Roskin <proski@xxxxxxx>, et al)
orinoco_cs 0.15 (David Gibson <hermes@xxxxxxxxxxxxxxxxxxxx>, Pavel Roskin <proski@xxxxxxx>, et al)
pcmcia: request for exclusive IRQ could not be fulfilled.
pcmcia: the driver needs updating to supported shared IRQ lines.
eth2: failed to initialize firmware (err = -19)
orinoco_cs: register_netdev() failed
pcmcia: request for exclusive IRQ could not be fulfilled.
pcmcia: the driver needs updating to supported shared IRQ lines.
eth2: failed to initialize firmware (err = -19)
orinoco_cs: register_netdev() failed
...
```

I am also seeing resource allocation errors:

```
PCI: Failed to allocate mem resource #10:2000000@f8000000 for 0000:02:08.0
PCI: Bus 3, cardbus bridge: 0000:02:08.0
IO window: 00009000-000090ff
IO window: 00009400-000094ff
PREFETCH window: 50000000-51ffffff
```

PCMCIA WLAN card initialization error

PCI: Bridge: 0000:00:0e.0
IO window: 9000-afff
MEM window: f5000000-f6ffffff
PREFETCH window: 50000000-52ffffff

I am not sure, but I think the actual error is the (err = -19). I have added some extra printk's into hermes.c. This error originates from the hermes_init function in hermes.c:

```
/* Normally it's a "can't happen" for the command register to
be busy when we go to issue a command because we are
serializing all commands. However we want to have some
chance of resetting the card even if it gets into a stupid
state, so we actually wait to see if the command register
will unbusy itself here. */
k = CMD_BUSY_TIMEOUT;
reg = hermes_read_reg(hw, CMD);
while (k && (reg & HERMES_CMD_BUSY)) {
if (reg == 0xffff) /* Special case - the card has probably been removed,
so don't wait for the timeout */
return -ENODEV;

k--;
udelay(1);
reg = hermes_read_reg(hw, CMD);
}
```

reg is indeed 0xffff and the function returns -ENODEV.

I need help to further troubleshoot the problem, any directions or hints welcome...

Here is the system information:

```
uname -a:
Linux bonsai 2.6.19-gentoo-r5 #1 PREEMPT Sun Feb 18 22:04:07 EET 2007
i686 AMD Athlon(tm) 64 Processor 3500+ AuthenticAMD GNU/Linux
```

The grub.conf, /etc/pcmcia/config.opts, lspci, lspcmcia and dmesg output is attached.

```
Socket 0 Bridge: [yenta_cardbus] (bus ID: 0000:02:08.0)
Configuration: state: on ready: yes
Voltage: 3.3V Vcc: 3.3V Vpp: 0.0V
Available IRQs: none
Available ioports: 0x00000100 - 0x0000028f
0x00000298 - 0x000003af
0x000003e0 - 0x000004cf
0x000004d8 - 0x000004ff
0x00000820 - 0x000008ff
0x00000a00 - 0x00000aff
0x00000c00 - 0x00000cf7
```

PCMCIA WLAN card initialization error

0x00009000 – 0x0000afff
Available iomem: 0x000c0000 – 0x000fffff
0x60000000 – 0x60ffffff
0xa0000000 – 0xa0ffffff
0xf5000000 – 0xf5ffffff
0xf6200000 – 0xf6ffffff
Socket 0 Device 0: [--- no driver ---] (bus ID: 0.0)
Configuration: state: on
Product Name: INTERSIL HFA384x/IEEE Version 01.02
Identification: manf_id: 0x0156 card_id: 0x0002
function: 6 (network)
prod_id(1): "INTERASIL" (0x74c5e40d)
prod_id(2): "HFA384x/IEEE" (0xdb472a18)
prod_id(3): "Version 01.02" (0x4b74baa0)
prod_id(4): ---- (----)
00:00.0 Host bridge: nVidia Corporation nForce3 250Gb Host Bridge (rev a1)
Subsystem: Micro-Star International Co., Ltd. Unknown device 0250
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
Region 0: Memory at e8000000 (32-bit, prefetchable) [size=128M]
Capabilities: [44] HyperTransport: Slave or Primary Interface
Command: BaseUnitID=0 UnitCnt=14 MastHost– DefDir– DUL–
Link Control 0: CFIE+ CST– CFE– <LkFail– Init+ EOC– TXO– <CRCErr=0 IsocEn– LSEn– ExtCTL–
64b–
Link Config 0: MLWI=16bit DwFcIn– MLWO=16bit DwFcOut– LWI=16bit DwFcInEn– LWO=16bit
DwFcOutEn–
Link Control 1: CFIE– CST– CFE– <LkFail+ Init– EOC+ TXO+ <CRCErr=0 IsocEn– LSEn– ExtCTL–
64b–
Link Config 1: MLWI=8bit DwFcIn– MLWO=8bit DwFcOut– LWI=8bit DwFcInEn– LWO=8bit
DwFcOutEn–
Revision ID: 1.03
Link Frequency 0: 1.0GHz
Link Error 0: <Prot– <Ovfl– <EOC– CTLTm–
Link Frequency Capability 0: 200MHz+ 300MHz+ 400MHz+ 500MHz+ 600MHz+ 800MHz+ 1.0GHz–
1.2GHz– 1.4GHz– 1.6GHz– Vend–
Feature Capability: IsocFC+ LDTSTOP+ CRCTM– ECTLT– 64bA– UIDRD–
Link Frequency 1: 200MHz
Link Error 1: <Prot– <Ovfl– <EOC– CTLTm–
Link Frequency Capability 1: 200MHz– 300MHz– 400MHz– 500MHz– 600MHz– 800MHz– 1.0GHz–
1.2GHz– 1.4GHz– 1.6GHz– Vend–
Error Handling: PFIE– OFIE– PFE– OFE– EOCFE– RFE– CRCFE– SERRFE– CF– RE– PNFE– ONFE–
EOCNFE– RNFE– CRCNFE– SERRNFE–
Prefetchable memory behind bridge Upper: 00–00
Bus Number: 00
Capabilities: [c0] AGP version 2.0
Status: RQ=32 Iso– ArqSz=0 Cal=0 SBA+ ITACoh– GART64– HTrans– 64bit– FW+ AGP3–
Rate=x1,x2,x4
Command: RQ=1 ArqSz=0 Cal=0 SBA– AGP– GART64– 64bit– FW– Rate=x1

PCMCIA WLAN card initialization error

00:01.0 ISA bridge: nVidia Corporation nForce3 250Gb LPC Bridge (rev a2)
Subsystem: Micro-Star International Co., Ltd. Unknown device 0250
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

00:01.1 SMBus: nVidia Corporation nForce 250Gb PCI System Management (rev a1)
Subsystem: Micro-Star International Co., Ltd. Unknown device 0250
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-
Interrupt: pin A routed to IRQ 10
Region 0: I/O ports at cc00 [size=32]
Region 4: I/O ports at 4c00 [size=64]
Region 5: I/O ports at 4c40 [size=64]
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-

00:02.0 USB Controller: nVidia Corporation CK8S USB Controller (rev a1) (prog-if 10 [OHCI])
Subsystem: Micro-Star International Co., Ltd. Unknown device 0250
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 (750ns min, 250ns max)
Interrupt: pin A routed to IRQ 20
Region 0: Memory at f7003000 (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-

00:02.1 USB Controller: nVidia Corporation CK8S USB Controller (rev a1) (prog-if 10 [OHCI])
Subsystem: Micro-Star International Co., Ltd. Unknown device 0250
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 (750ns min, 250ns max)
Interrupt: pin B routed to IRQ 21
Region 0: Memory at f7004000 (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-

00:02.2 USB Controller: nVidia Corporation nForce3 EHCI USB 2.0 Controller (rev a2) (prog-if 20 [EHCI])
Subsystem: Micro-Star International Co., Ltd. Unknown device 0250

PCMCIA WLAN card initialization error

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 (750ns min, 250ns max)
Interrupt: pin C routed to IRQ 19
Region 0: Memory at f7005000 (32-bit, non-prefetchable) [size=256]
Capabilities: [44] Debug port
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-

00:05.0 Bridge: nVidia Corporation CK8S Ethernet Controller (rev a2)
Subsystem: Micro-Star International Co., Ltd. Unknown device 0250
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 (250ns min, 5000ns max)
Interrupt: pin A routed to IRQ 18
Region 0: Memory at f7000000 (32-bit, non-prefetchable) [size=4K]
Region 1: I/O ports at b800 [size=8]
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-

00:06.0 Multimedia audio controller: nVidia Corporation nForce3 250Gb AC'97 Audio Controller (rev a1)
Subsystem: Micro-Star International Co., Ltd. Unknown device 7585
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 (500ns min, 1250ns max)
Interrupt: pin A routed to IRQ 18
Region 0: I/O ports at bc00 [size=256]
Region 1: I/O ports at c000 [size=128]
Region 2: Memory at f7001000 (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-

00:08.0 IDE interface: nVidia Corporation CK8S Parallel ATA Controller (v2.5) (rev a2) (prog-if 8a [Master
SecP PriP])
Subsystem: Micro-Star International Co., Ltd. Unknown device 0250
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 (750ns min, 250ns max)
Region 4: I/O ports at f000 [size=16]
Capabilities: [44] Power Management version 2

PCMCIA WLAN card initialization error

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 PCI bridge: nVidia Corporation nForce3 250Gb AGP Host to PCI Bridge (rev a2) (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: 16

Bus: primary=00, secondary=01, subordinate=01, sec-latency=10

I/O behind bridge: 0000f000-00000fff

Memory behind bridge: f0000000-f2ffffff

Prefetchable memory behind bridge: f3000000-f4ffffff

Secondary status: 66MHz+ FastB2B- ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort+ <SERR- <PERR-

BridgeCtl: Parity- SERR+ NoISA+ VGA+ MAbort- >Reset- FastB2B-

00:0e.0 PCI bridge: nVidia Corporation nForce3 250Gb PCI-to-PCI Bridge (rev a2) (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

Bus: primary=00, secondary=02, subordinate=06, sec-latency=128

I/O behind bridge: 00009000-0000afff

Memory behind bridge: f5000000-f6ffffff

Prefetchable memory behind bridge: 50000000-52ffffff

Secondary status: 66MHz- FastB2B+ ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort+ <SERR- <PERR-

BridgeCtl: Parity- SERR+ NoISA+ VGA- MAbort- >Reset- FastB2B-

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-

PCMCIA WLAN card initialization error

PCMCIA WLAN card initialization error

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: Matrox Graphics, Inc. MGA G550 AGP (rev 01) (prog-if 00 [VGA])
Subsystem: Matrox Graphics, Inc. Millennium G550 Dual Head DDR 32Mb
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: 32 (4000ns min, 8000ns max), Cache Line Size: 32 bytes
Interrupt: pin A routed to IRQ 17
Region 0: Memory at <ignored> (32-bit, prefetchable)
Region 1: Memory at f0000000 (32-bit, non-prefetchable) [size=16K]
Region 2: Memory at f1000000 (32-bit, non-prefetchable) [size=8M]
[virtual] Expansion ROM at f3000000 [disabled] [size=128K]
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=0 PME-
Capabilities: [f0] AGP version 2.0
Status: RQ=32 Iso- ArqSz=0 Cal=0 SBA+ ITACoh- GART64- HTrans- 64bit- FW- AGP3-
Rate=x1,x2,x4
Command: RQ=32 ArqSz=0 Cal=0 SBA+ AGP+ GART64- 64bit- FW- Rate=x1

02:08.0 CardBus bridge: Ricoh Co Ltd RL5c475 (rev 81)
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 16
Region 0: Memory at f6005000 (32-bit, non-prefetchable) [size=4K]
Bus: primary=02, secondary=03, subordinate=06, sec-latency=176
Memory window 0: 50000000-51fff000 (prefetchable)
Memory window 1: f6002000-f6003000
I/O window 0: 00009000-000090ff
I/O window 1: 00009400-000094ff
BridgeCtl: Parity- SERR- ISA- VGA- MAbort- >Reset- 16bInt+ PostWrite+
16-bit legacy interface ports at 0001

02:0d.0 Ethernet controller: Realtek Semiconductor Co., Ltd. RTL-8169 Gigabit Ethernet (rev 10)
Subsystem: Micro-Star International Co., Ltd. Unknown device 025c

PCMCIA WLAN card initialization error

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: 32 (8000ns min, 16000ns max), Cache Line Size: 64 bytes

Interrupt: pin A routed to IRQ 17

Region 0: I/O ports at a000 [size=256]

Region 1: Memory at f6004000 (32-bit, non-prefetchable) [size=256]

[virtual] Expansion ROM at 52000000 [disabled] [size=128K]

Capabilities: [dc] 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-

us_irq 14 global_irq 14 high edge)

ACPI: INT_SRC_OVR (bus 0 bus_irq 15 global_irq 15 high edge)

ACPI: IRQ9 used by override.

ACPI: IRQ14 used by override.

ACPI: IRQ15 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:bec00000)

Detected 2210.778 MHz processor.

Built 1 zonelists. Total pages: 260081

Kernel command line: root=/dev/hda3 pci=assign-busses

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

PID hash table entries: 4096 (order: 12, 16384 bytes)

Console: colour VGA+ 80x25

Dentry cache hash table entries: 131072 (order: 7, 524288 bytes)

Inode-cache hash table entries: 65536 (order: 6, 262144 bytes)

Memory: 1034304k/1048512k available (2876k kernel code, 13568k reserved, 1189k data, 184k init, 131008k
highmem)

virtual kernel memory layout:

fixmap : 0xffffaa000 - 0xfffff0000 (340 kB)

pkmap : 0xff8000000 - 0xffc000000 (4096 kB)

vmalloc : 0xf88000000 - 0xff7fe0000 (111 MB)

lowmem : 0xc00000000 - 0xf80000000 (896 MB)

.init : 0xc04fc000 - 0xc052a000 (184 kB)

.data : 0xc03cf034 - 0xc04f846c (1189 kB)

.text : 0xc0100000 - 0xc03cf034 (2876 kB)

Checking if this processor honours the WP bit even in supervisor mode... Ok.

Calibrating delay using timer specific routine.. 4423.52 BogoMIPS (lpj=22117605)

Mount-cache hash table entries: 512

CPU: After generic identify, caps: 078bfbff e3d3fbff 00000000 00000000 00000000 00000000 00000000

CPU: L1 I Cache: 64K (64 bytes/line), D cache 64K (64 bytes/line)

CPU: L2 Cache: 512K (64 bytes/line)

CPU: After all inits, caps: 078bfbff e3d3fbff 00000000 00000410 00000000 00000000 00000000

Intel machine check architecture supported.

PCMCIA WLAN card initialization error

Intel machine check reporting enabled on CPU#0.
Compat vDSO mapped to fffff000.
CPU: AMD Athlon(tm) 64 Processor 3500+ stepping 00
Checking 'hlt' instruction... OK.
ACPI: Core revision 20060707
ENABLING IO-APIC IRQs
..TIMER: vector=0x31 apic1=0 pin1=0 apic2=-1 pin2=-1
NET: Registered protocol family 16
ACPI: bus type pci registered
PCI: PCI BIOS revision 2.10 entry at 0xfbe50, last bus=3
PCI: Using configuration type 1
Setting up standard PCI resources
ACPI: Interpreter enabled
ACPI: Using IOAPIC for interrupt routing
ACPI: PCI Root Bridge [PCI0] (0000:00)
PCI: Probing PCI hardware (bus 00)
Boot video device is 0000:01:00.0
ACPI: PCI Interrupt Routing Table [_SB_.PCI0._PRT]
ACPI: PCI Interrupt Routing Table [_SB_.PCI0.HUB0._PRT]
ACPI: Power Resource [ISAV] (on)
ACPI: PCI Interrupt Routing Table [_SB_.PCI0.AGPB._PRT]
ACPI: PCI Interrupt Link [LNK1] (IRQs 3 4 *5 6 7 10 11 12 14 15)
ACPI: PCI Interrupt Link [LNK2] (IRQs 3 4 5 6 7 10 11 12 14 15) *0, disabled.
ACPI: PCI Interrupt Link [LNK3] (IRQs *3 4 5 6 7 10 11 12 14 15)
ACPI: PCI Interrupt Link [LNK4] (IRQs 3 4 5 6 7 10 11 12 14 15) *0, disabled.
ACPI: PCI Interrupt Link [LNK5] (IRQs 3 4 5 6 7 10 *11 12 14 15)
ACPI: PCI Interrupt Link [LUBA] (IRQs 3 4 5 6 7 10 *11 12 14 15)
ACPI: PCI Interrupt Link [LUBB] (IRQs 3 4 5 6 7 10 *11 12 14 15)
ACPI: PCI Interrupt Link [LMAC] (IRQs 3 4 5 6 7 *10 11 12 14 15)
ACPI: PCI Interrupt Link [LAPU] (IRQs 3 4 5 6 7 10 11 12 14 15) *0, disabled.
ACPI: PCI Interrupt Link [LACI] (IRQs 3 4 5 6 *7 10 11 12 14 15)
ACPI: PCI Interrupt Link [LMCI] (IRQs 3 4 5 6 7 10 11 12 14 15) *0, disabled.
ACPI: PCI Interrupt Link [LSMB] (IRQs 3 4 5 6 7 *10 11 12 14 15)
ACPI: PCI Interrupt Link [LUB2] (IRQs 3 4 5 6 7 10 *11 12 14 15)
ACPI: PCI Interrupt Link [LFIR] (IRQs 3 4 5 6 7 10 11 12 14 15) *0, disabled.
ACPI: PCI Interrupt Link [L3CM] (IRQs 3 4 5 6 7 10 11 12 14 15) *0, disabled.
ACPI: PCI Interrupt Link [LIDE] (IRQs 3 4 5 6 7 10 11 12 14 15) *0, disabled.
ACPI: PCI Interrupt Link [LSID] (IRQs 3 4 5 6 7 10 11 12 14 15) *0, disabled.
ACPI: PCI Interrupt Link [LFID] (IRQs 3 4 5 6 7 10 11 12 14 15) *0, disabled.
ACPI: PCI Interrupt Link [APC1] (IRQs 16) *0, disabled.
ACPI: PCI Interrupt Link [APC2] (IRQs 17) *0, disabled.
ACPI: PCI Interrupt Link [APC3] (IRQs 18) *0, disabled.
ACPI: PCI Interrupt Link [APC4] (IRQs 19) *0, disabled.
ACPI: PCI Interrupt Link [APC5] (IRQs *16), disabled.
ACPI: PCI Interrupt Link [APCF] (IRQs 20 21 22 23) *0, disabled.
ACPI: PCI Interrupt Link [APCG] (IRQs 20 21 22 23) *0, disabled.
ACPI: PCI Interrupt Link [APCH] (IRQs 20 21 22 23) *0, disabled.
ACPI: PCI Interrupt Link [APCI] (IRQs 20 21 22 23) *0, disabled.
ACPI: PCI Interrupt Link [APCJ] (IRQs 20 21 22 23) *0, disabled.
ACPI: PCI Interrupt Link [APCK] (IRQs 20 21 22 23) *0, disabled.
ACPI: PCI Interrupt Link [APCS] (IRQs 20 21 22 23) *0, disabled.

PCMCIA WLAN card initialization error

ACPI: PCI Interrupt Link [APCL] (IRQs 20 21 22 23) *0, disabled.
ACPI: PCI Interrupt Link [APCM] (IRQs 20 21 22 23) *0, disabled.
ACPI: PCI Interrupt Link [AP3C] (IRQs 20 21 22 23) *0, disabled.
ACPI: PCI Interrupt Link [APCZ] (IRQs 20 21 22 23) *0, disabled.
ACPI: PCI Interrupt Link [APSI] (IRQs 20 21 22 23) *0, disabled.
ACPI: PCI Interrupt Link [APSJ] (IRQs 20 21 22 23) *0, disabled.
Linux Plug and Play Support v0.97 (c) Adam Belay
pnp: PnP ACPI init
pnp: PnP ACPI: found 10 devices
SCSI subsystem initialized
usbcore: registered new interface driver usbfs
usbcore: registered new interface driver hub
usbcore: registered new device driver usb
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 0000:01:00.0
pnp: 00:00: ioport range 0x4000-0x407f could not be reserved
pnp: 00:00: ioport range 0x4080-0x40ff has been reserved
pnp: 00:00: ioport range 0x4400-0x447f has been reserved
pnp: 00:00: ioport range 0x4480-0x44ff could not be reserved
pnp: 00:00: ioport range 0x4800-0x487f has been reserved
pnp: 00:00: ioport range 0x4880-0x48ff has been reserved
PCI: Failed to allocate mem resource #0:2000000@f4000000 for 0000:01:00.0
PCI: Bridge: 0000:00:0b.0
IO window: disabled.
MEM window: f0000000-f2ffffff
PREFETCH window: f3000000-f4ffffff
PCI: Failed to allocate mem resource #10:2000000@f8000000 for 0000:02:08.0
PCI: Bus 3, cardbus bridge: 0000:02:08.0
IO window: 00009000-000090ff
IO window: 00009400-000094ff
PREFETCH window: 50000000-51ffffff
PCI: Bridge: 0000:00:0e.0
IO window: 9000-afff
MEM window: f5000000-f6ffffff
PREFETCH window: 50000000-52ffffff
PCI: Setting latency timer of device 0000:00:0e.0 to 64
ACPI: PCI Interrupt Link [APC3] enabled at IRQ 18
ACPI: PCI Interrupt 0000:02:08.0[A] -> Link [APC3] -> GSI 18 (level, low) -> IRQ 16
NET: Registered protocol family 2
IP route cache hash table entries: 32768 (order: 5, 131072 bytes)
TCP established hash table entries: 131072 (order: 7, 524288 bytes)
TCP bind hash table entries: 65536 (order: 6, 262144 bytes)
TCP: Hash tables configured (established 131072 bind 65536)
TCP reno registered
Machine check exception polling timer started.
highmem bounce pool size: 64 pages
io scheduler noop registered
io scheduler cfq registered (default)
lp: driver loaded but no devices found
Real Time Clock Driver v1.12ac

PCMCIA WLAN card initialization error

PCMCIA WLAN card initialization error

```
Non-volatile memory driver v1.2
Linux agpgart interface v0.101 (c) Dave Jones
agpgart: Detected AGP bridge 0
agpgart: Setting up Nforce3 AGP.
agpgart: AGP aperture is 128M @ 0xe8000000
[drm] Initialized drm 1.0.1 20051102
ACPI: PCI Interrupt Link [APC1] enabled at IRQ 16
ACPI: PCI Interrupt 0000:01:00.0[A] -> Link [APC1] -> GSI 16 (level, low) -> IRQ 17
matroxfb: Matrox G550 detected
matroxfb: video RAM is not available in PCI address space, matroxfb disabled
matroxfb: probe of 0000:01:00.0 failed with error -1
Serial: 8250/16550 driver $Revision: 1.90 $ 4 ports, IRQ sharing disabled
serial8250: ttyS0 at I/O 0x3f8 (irq = 4) is a 16550A
00:09: ttyS0 at I/O 0x3f8 (irq = 4) is a 16550A
Floppy drive(s): fd0 is 1.44M
FDC 0 is a post-1991 82077
RAMDISK driver initialized: 16 RAM disks of 4096K size 1024 blocksize
loop: loaded (max 8 devices)
e100: Intel(R) PRO/100 Network Driver, 3.5.17-k2-NAPI
e100: Copyright(c) 1999-2006 Intel Corporation
forcedeth.c: Reverse Engineered nForce ethernet driver. Version 0.57.
ACPI: PCI Interrupt Link [APCH] enabled at IRQ 23
ACPI: PCI Interrupt 0000:00:05.0[A] -> Link [APCH] -> GSI 23 (level, high) -> IRQ 18
PCI: Setting latency timer of device 0000:00:05.0 to 64
eth0: forcedeth.c: subsystem: 01462:0250 bound to 0000:00:05.0
r8169 Gigabit Ethernet driver 2.2LK loaded
ACPI: PCI Interrupt Link [APC5] enabled at IRQ 16
ACPI: PCI Interrupt 0000:02:0d.0[A] -> Link [APC5] -> GSI 16 (level, low) -> IRQ 17
eth1: RTL8169s/8110s at 0xf881c000, 00:11:09:cb:83:6b, IRQ 17
Linux video capture interface: v2.00
saa7130/34: v4l2 driver version 0.2.14 loaded
Uniform Multi-Platform E-IDE driver Revision: 7.00alpha2
ide: Assuming 33MHz system bus speed for PIO modes; override with idebus=xx
NFORCE3-250: IDE controller at PCI slot 0000:00:08.0
NFORCE3-250: chipset revision 162
NFORCE3-250: not 100% native mode: will probe irqs later
NFORCE3-250: BIOS didn't set cable bits correctly. Enabling workaround.
NFORCE3-250: 0000:00:08.0 (rev a2) UDMA133 controller
ide0: BM-DMA at 0xf000-0xf007, BIOS settings: hda:DMA, hdb:DMA
ide1: BM-DMA at 0xf008-0xf00f, BIOS settings: hdc:DMA, hdd:DMA
Probing IDE interface ide0...
hda: SAMSUNG SP0802N, ATA DISK drive
ide0 at 0x1f0-0x1f7,0x3f6 on irq 14
Probing IDE interface ide1...
hdc: PHILIPS DVDR824DP, ATAPI CD/DVD-ROM drive
ide1 at 0x170-0x177,0x376 on irq 15
hda: max request size: 512KiB
hda: 156368016 sectors (80060 MB) w/2048KiB Cache, CHS=16383/255/63, UDMA(100)
hda: cache flushes supported
hda: hda1 hda2 hda3 hda4 < hda5 hda6 >
hdc: ATAPI 40X DVD-ROM DVD-R CD-R/RW drive, 8192kB Cache, UDMA(33)
```

PCMCIA WLAN card initialization error

PCMCIA WLAN card initialization error

Uniform CD-ROM driver Revision: 3.20
Yenta: CardBus bridge found at 0000:02:08.0 [0000:0000]
Yenta: ISA IRQ mask 0x0000, PCI irq 16
Socket status: 30000810
pcmcia: parent PCI bridge I/O window: 0x9000 – 0xafff
cs: IO port probe 0x9000–0xafff: clean.
pcmcia: parent PCI bridge Memory window: 0xf5000000 – 0xf6ffffff
pcmcia: parent PCI bridge Memory window: 0x50000000 – 0x52ffffff
ACPI: PCI Interrupt Link [APCL] enabled at IRQ 22
ACPI: PCI Interrupt 0000:00:02.2[C] -> Link [APCL] -> GSI 22 (level, high) -> IRQ 19
PCI: Setting latency timer of device 0000:00:02.2 to 64
ehci_hcd 0000:00:02.2: EHCI Host Controller
ehci_hcd 0000:00:02.2: new USB bus registered, assigned bus number 1
ehci_hcd 0000:00:02.2: debug port 1
PCI: cache line size of 64 is not supported by device 0000:00:02.2
ehci_hcd 0000:00:02.2: irq 19, io mem 0xf7005000
ehci_hcd 0000:00:02.2: USB 2.0 started, EHCI 1.00, driver 10 Dec 2004
usb usb1: configuration #1 chosen from 1 choice
hub 1-0:1.0: USB hub found
hub 1-0:1.0: 8 ports detected
ohci_hcd: 2006 August 04 USB 1.1 'Open' Host Controller (OHCI) Driver (PCI)
ACPI: PCI Interrupt Link [APCF] enabled at IRQ 21
ACPI: PCI Interrupt 0000:00:02.0[A] -> Link [APCF] -> GSI 21 (level, high) -> IRQ 20
PCI: Setting latency timer of device 0000:00:02.0 to 64
ohci_hcd 0000:00:02.0: OHCI Host Controller
ohci_hcd 0000:00:02.0: new USB bus registered, assigned bus number 2
ohci_hcd 0000:00:02.0: irq 20, io mem 0xf7003000
usb usb2: configuration #1 chosen from 1 choice
hub 2-0:1.0: USB hub found
hub 2-0:1.0: 4 ports detected
ACPI: PCI Interrupt Link [APCG] enabled at IRQ 20
ACPI: PCI Interrupt 0000:00:02.1[B] -> Link [APCG] -> GSI 20 (level, high) -> IRQ 21
PCI: Setting latency timer of device 0000:00:02.1 to 64
ohci_hcd 0000:00:02.1: OHCI Host Controller
ohci_hcd 0000:00:02.1: new USB bus registered, assigned bus number 3
ohci_hcd 0000:00:02.1: irq 21, io mem 0xf7004000
usb usb3: configuration #1 chosen from 1 choice
hub 3-0:1.0: USB hub found
hub 3-0:1.0: 4 ports detected
USB Universal Host Controller Interface driver v3.0
Initializing USB Mass Storage driver...
pccard: PCMCIA card inserted into slot 0
cs: memory probe 0xf5000000–0xf6ffffff: excluding 0xf6000000–0xf61fffff
pcmcia: registering new device pcmcia0.0
usb 2-1: new low speed USB device using ohci_hcd and address 2
usb 2-1: configuration #1 chosen from 1 choice
usb 2-2: new low speed USB device using ohci_hcd and address 3
usb 2-2: configuration #1 chosen from 1 choice
usbcore: registered new interface driver usb-storage
USB Mass Storage support registered.
input: Microsoft Microsoft IntelliMouse® Optical as /class/input/input0

PCMCIA WLAN card initialization error

```
input: USB HID v1.00 Mouse [Microsoft Microsoft IntelliMouse® Optical] on usb-0000:00:02.0-1
input: DELL DELL USB Keyboard as /class/input/input1
input: USB HID v1.10 Keyboard [DELL DELL USB Keyboard] on usb-0000:00:02.0-2
usbcore: registered new interface driver usbhid
drivers/usb/input/hid-core.c: v2.6:USB HID core driver
PNP: No PS/2 controller found. Probing ports directly.
serio: i8042 KBD port at 0x60,0x64 irq 1
serio: i8042 AUX port at 0x60,0x64 irq 12
mice: PS/2 mouse device common for all mice
i2c /dev entries driver
Advanced Linux Sound Architecture Driver Version 1.0.13 (Tue Nov 28 14:07:24 2006 UTC).
ACPI: PCI Interrupt Link [APCJ] enabled at IRQ 23
ACPI: PCI Interrupt 0000:00:06.0[A] -> Link [APCJ] -> GSI 23 (level, high) -> IRQ 18
PCI: Setting latency timer of device 0000:00:06.0 to 64
intel8x0_measure_ac97_clock: measured 60001 usecs
intel8x0: clocking to 55385
ALSA device list:
#0: NVidia CK8S with ALC850 at 0xf7001000, irq 18
ip_conntrack version 2.4 (8191 buckets, 65528 max) - 176 bytes per conntrack
ip_tables: (C) 2000-2006 Netfilter Core Team
TCP cubic registered
NET: Registered protocol family 1
NET: Registered protocol family 17
ieee80211: 802.11 data/management/control stack, git-1.1.13
ieee80211: Copyright (C) 2004-2005 Intel Corporation <jketreno@xxxxxxxxxxxxxxxx>
ieee80211_crypt: registered algorithm 'NULL'
ieee80211_crypt: registered algorithm 'WEP'
Using IPI Shortcut mode
Time: tsc clocksource has been installed.
kjournald starting. Commit interval 5 seconds
EXT3-fs: mounted filesystem with ordered data mode.
VFS: Mounted root (ext3 filesystem) readonly.
Freeing unused kernel memory: 184k freed
cs: IO port probe 0x100-0x3af: excluding 0x290-0x297
cs: IO port probe 0x3e0-0x4ff: excluding 0x4d0-0x4d7
cs: IO port probe 0x820-0x8ff: clean.
cs: IO port probe 0xc00-0xcf7: clean.
cs: IO port probe 0xa00-0xaf7: clean.
orinoco 0.15 (David Gibson <hermes@xxxxxxxxxxxxxxxxxxxxxxxx>, Pavel Roskin <proski@xxxxxxx>, et al)
orinoco_cs 0.15 (David Gibson <hermes@xxxxxxxxxxxxxxxxxxxxxxxx>, Pavel Roskin <proski@xxxxxxx>, et al)
pcmcia: request for exclusive IRQ could not be fulfilled.
pcmcia: the driver needs updating to supported shared IRQ lines.
eth2: failed to initialize firmware (err = -19)
orinoco_cs: register_netdev() failed
pcmcia: request for exclusive IRQ could not be fulfilled.
pcmcia: the driver needs updating to supported shared IRQ lines.
eth2: failed to initialize firmware (err = -19)
orinoco_cs: register_netdev() failed
EXT3 FS on hda3, internal journal
kjournald starting. Commit interval 5 seconds
```

PCMCIA WLAN card initialization error

```
EXT3-fs warning: maximal mount count reached, running e2fsck is recommended
EXT3 FS on hda2, internal journal
EXT3-fs: mounted filesystem with ordered data mode.
kjournald starting. Commit interval 5 seconds
EXT3-fs warning: maximal mount count reached, running e2fsck is recommended
EXT3 FS on hda6, internal journal
EXT3-fs: mounted filesystem with ordered data mode.
Adding 1052216k swap on /dev/hda5. Priority:-1 extents:1 across:1052216k
r8169: eth1: link down
process `named' is using obsolete setsockopt SO_BSDCOMPAT
default 0
timeout 10
```

```
title=Gentoo
root (hd0,0)
kernel /boot/vmlinuz root=/dev/hda3 pci=assign-busses
```

```
title=Gentoo(old)
root (hd0,0)
kernel /boot/vmlinuz.old root=/dev/hda3
#
# Automatically generated make config: don't edit
# Linux kernel version: 2.6.19-gentoo-r5
# Sun Feb 18 21:58:37 2007
#
CONFIG_X86_32=y
CONFIG_GENERIC_TIME=y
CONFIG_LOCKDEP_SUPPORT=y
CONFIG_STACKTRACE_SUPPORT=y
CONFIG_SEMAPHORE_SLEEPERS=y
CONFIG_X86=y
CONFIG_MMU=y
CONFIG_GENERIC_ISA_DMA=y
CONFIG_GENERIC_IOMAP=y
CONFIG_GENERIC_HWEIGHT=y
CONFIG_ARCH_MAY_HAVE_PC_FDC=y
CONFIG_DMI=y
CONFIG_DEFCONFIG_LIST="/lib/modules/$UNAME_RELEASE/.config"

#
# Code maturity level options
#
CONFIG_EXPERIMENTAL=y
CONFIG_BROKEN_ON_SMP=y
CONFIG_LOCK_KERNEL=y
CONFIG_INIT_ENV_ARG_LIMIT=32

#
# General setup
#
CONFIG_LOCALVERSION=""
```

PCMCIA WLAN card initialization error

PCMCIA WLAN card initialization error

```
# CONFIG_LOCALVERSION_AUTO is not set
CONFIG_SWAP=y
CONFIG_SYSVIPC=y
# CONFIG_IPC_NS is not set
# CONFIG_POSIX_MQUEUE is not set
# CONFIG_BSD_PROCESS_ACCT is not set
# CONFIG_TASKSTATS is not set
# CONFIG_UTS_NS is not set
# CONFIG_AUDIT is not set
CONFIG_IKCONFIG=y
CONFIG_IKCONFIG_PROC=y
# CONFIG_RELAY is not set
CONFIG_INITRAMFS_SOURCE=""
CONFIG_CC_OPTIMIZE_FOR_SIZE=y
CONFIG_SYSCTL=y
# CONFIG_EMBEDDED is not set
CONFIG_UID16=y
CONFIG_SYSCTL_SYSCALL=y
CONFIG_KALLSYMS=y
# CONFIG_KALLSYMS_EXTRA_PASS is not set
CONFIG_HOTPLUG=y
CONFIG_PRINTK=y
CONFIG_BUG=y
CONFIG_ELF_CORE=y
CONFIG_BASE_FULL=y
CONFIG_FUTEX=y
CONFIG_EPOLL=y
CONFIG_SHMEM=y
CONFIG_SLAB=y
CONFIG_VM_EVENT_COUNTERS=y
CONFIG_RT_MUTEXES=y
# CONFIG_TINY_SHMEM is not set
CONFIG_BASE_SMALL=0
# CONFIG_SLOB is not set

#
# Loadable module support
#
CONFIG_MODULES=y
CONFIG_MODULE_UNLOAD=y
CONFIG_MODULE_FORCE_UNLOAD=y
# CONFIG_MODVERSIONS is not set
# CONFIG_MODULE_SRCVERSION_ALL is not set
# CONFIG_KMOD is not set

#
# Block layer
#
CONFIG_BLOCK=y
# CONFIG_LBD is not set
# CONFIG_BLK_DEV_IO_TRACE is not set
```

PCMCIA WLAN card initialization error

```
# CONFIG_LSF is not set

#
# IO Schedulers
#
CONFIG_IOSCHED_NOOP=y
# CONFIG_IOSCHED_AS is not set
# CONFIG_IOSCHED_DEADLINE is not set
CONFIG_IOSCHED_CFQ=y
# CONFIG_DEFAULT_AS is not set
# CONFIG_DEFAULT_DEADLINE is not set
CONFIG_DEFAULT_CFQ=y
# CONFIG_DEFAULT_NOOP is not set
CONFIG_DEFAULT_IOSCHED="cfq"

#
# Processor type and features
#
# CONFIG_SMP is not set
CONFIG_X86_PC=y
# CONFIG_X86_ELAN is not set
# CONFIG_X86_VOYAGER is not set
# CONFIG_X86_NUMAQ is not set
# CONFIG_X86_SUMMIT is not set
# CONFIG_X86_BIGSMP is not set
# CONFIG_X86_VISWS is not set
# CONFIG_X86_GENERICARCH is not set
# CONFIG_X86_ES7000 is not set
# CONFIG_M386 is not set
# CONFIG_M486 is not set
# CONFIG_M586 is not set
# CONFIG_M586TSC is not set
# CONFIG_M586MMX is not set
# CONFIG_M686 is not set
# CONFIG_MPENTIUMIII is not set
# CONFIG_MPENTIUMIII is not set
# CONFIG_MPENTIUMMM is not set
# CONFIG_MPENTIUM4 is not set
# CONFIG_MK6 is not set
# CONFIG_MK7 is not set
CONFIG_MK8=y
# CONFIG_MCRUSOE is not set
# CONFIG_MEFFICEON is not set
# CONFIG_MWINCHIP6 is not set
# CONFIG_MWINCHIP2 is not set
# CONFIG_MWINCHIP3D is not set
# CONFIG_MGEODEGX1 is not set
# CONFIG_MGEODE_LX is not set
# CONFIG_MCYRIXIII is not set
# CONFIG_MVIAC3_2 is not set
# CONFIG_X86_GENERIC is not set
```

PCMCIA WLAN card initialization error

```
CONFIG_X86_CMPXCHG=y
CONFIG_X86_XADD=y
CONFIG_X86_L1_CACHE_SHIFT=6
CONFIG_RWSEM_XCHGADD_ALGORITHM=y
CONFIG_GENERIC_CALIBRATE_DELAY=y
CONFIG_X86_WP_WORKS_OK=y
CONFIG_X86_INVLPG=y
CONFIG_X86_BSWAP=y
CONFIG_X86_POPAD_OK=y
CONFIG_X86_CMPXCHG64=y
CONFIG_X86_GOOD_APIC=y
CONFIG_X86_INTEL_USERCOPY=y
CONFIG_X86_USE_PPRO_CHECKSUM=y
CONFIG_X86_TSC=y
# CONFIG_HPET_TIMER is not set
# CONFIG_PREEMPT_NONE is not set
# CONFIG_PREEMPT_VOLUNTARY is not set
CONFIG_PREEMPT=y
CONFIG_PREEMPT_BKL=y
CONFIG_X86_UP_APIC=y
CONFIG_X86_UP_IOAPIC=y
CONFIG_X86_LOCAL_APIC=y
CONFIG_X86_IO_APIC=y
CONFIG_X86_MCE=y
CONFIG_X86_MCE_NONFATAL=y
# CONFIG_X86_MCE_P4THERMAL is not set
CONFIG_VM86=y
# CONFIG_TOSHIBA is not set
# CONFIG_I8K is not set
# CONFIG_X86_REBOOTFIXUPS is not set
# CONFIG_MICROCODE is not set
# CONFIG_X86_MSR is not set
# CONFIG_X86_CPUID is not set

#
# Firmware Drivers
#
# CONFIG_EDD is not set
# CONFIG_DELL_RBU is not set
# CONFIG_DCDBAS is not set
# CONFIG_NOHIGHMEM is not set
CONFIG_HIGHMEM4G=y
# CONFIG_HIGHMEM64G is not set
CONFIG_PAGE_OFFSET=0xC0000000
CONFIG_HIGHMEM=y
CONFIG_ARCH_FLATMEM_ENABLE=y
CONFIG_ARCH_SPARSEMEM_ENABLE=y
CONFIG_ARCH_SELECT_MEMORY_MODEL=y
CONFIG_ARCH_POPULATES_NODE_MAP=y
CONFIG_SELECT_MEMORY_MODEL=y
CONFIG_FLATMEM_MANUAL=y
```

PCMCIA WLAN card initialization error

PCMCIA WLAN card initialization error

```
# CONFIG_DISCONTIGMEM_MANUAL is not set
# CONFIG_SPARSEMEM_MANUAL is not set
CONFIG_FLATMEM=y
CONFIG_FLAT_NODE_MEM_MAP=y
CONFIG_SPARSEMEM_STATIC=y
CONFIG_SPLIT_PTLOCK_CPUS=4
# CONFIG_RESOURCES_64BIT is not set
# CONFIG_HIGHPTE is not set
# CONFIG_MATH_EMULATION is not set
CONFIG_MTRR=y
# CONFIG_EFI is not set
CONFIG_REGPARM=y
# CONFIG_SECCOMP is not set
CONFIG_HZ_100=y
# CONFIG_HZ_250 is not set
# CONFIG_HZ_1000 is not set
CONFIG_HZ=100
# CONFIG_KEXEC is not set
# CONFIG_CRASH_DUMP is not set
CONFIG_PHYSICAL_START=0x100000
CONFIG_COMPAT_VDSO=y
CONFIG_ARCH_ENABLE_MEMORY_HOTPLUG=y

#
# Power management options (ACPI, APM)
#
CONFIG_PM=y
# CONFIG_PM_LEGACY is not set
# CONFIG_PM_DEBUG is not set
# CONFIG_PM_SYSFS_DEPRECATED is not set
CONFIG_SOFTWARE_SUSPEND=y
CONFIG_PM_STD_PARTITION=""

#
# ACPI (Advanced Configuration and Power Interface) Support
#
CONFIG_ACPI=y
# CONFIG_ACPI_SLEEP is not set
# CONFIG_ACPI_AC is not set
# CONFIG_ACPI_BATTERY is not set
# CONFIG_ACPI_BUTTON is not set
# CONFIG_ACPI_VIDEO is not set
# CONFIG_ACPI_HOTKEY is not set
# CONFIG_ACPI_FAN is not set
# CONFIG_ACPI_DOCK is not set
# CONFIG_ACPI_PROCESSOR is not set
# CONFIG_ACPI_ASUS is not set
# CONFIG_ACPI_IBM is not set
# CONFIG_ACPI_TOSHIBA is not set
CONFIG_ACPI_BLACKLIST_YEAR=0
# CONFIG_ACPI_DEBUG is not set
```

PCMCIA WLAN card initialization error

```
CONFIG_ACPI_EC=y
CONFIG_ACPI_POWER=y
CONFIG_ACPI_SYSTEM=y
CONFIG_X86_PM_TIMER=y
# CONFIG_ACPI_CONTAINER is not set
# CONFIG_ACPI_SBS is not set

#
# APM (Advanced Power Management) BIOS Support
#
# CONFIG_APM is not set

#
# CPU Frequency scaling
#
# CONFIG_CPU_FREQ is not set

#
# Bus options (PCI, PCMCIA, EISA, MCA, ISA)
#
CONFIG_PCI=y
# CONFIG_PCI_GOBIO is not set
# CONFIG_PCI_GOMMCONFIG is not set
# CONFIG_PCI_GODIRECT is not set
CONFIG_PCI_GOANY=y
CONFIG_PCI_BIOS=y
CONFIG_PCI_DIRECT=y
CONFIG_PCI_MMCONFIG=y
# CONFIG_PCIEPORTBUS is not set
# CONFIG_PCI_MSI is not set
CONFIG_HT_IRQ=y
CONFIG_ISA_DMA_API=y
CONFIG_ISA=y
# CONFIG_EISA is not set
# CONFIG_MCA is not set
# CONFIG_SCx200 is not set
CONFIG_K8_NB=y

#
# PCCARD (PCMCIA/CardBus) support
#
CONFIG_PCCARD=y
# CONFIG_PCMCIA_DEBUG is not set
CONFIG_PCMCIA=y
CONFIG_PCMCIA_LOAD_CIS=y
CONFIG_PCMCIA_IOCTL=y
CONFIG_CARDBUS=y

#
# PC-card bridges
#
```

PCMCIA WLAN card initialization error

```
CONFIG_YENTA=y
CONFIG_YENTA_O2=y
CONFIG_YENTA_RICOH=y
CONFIG_YENTA_TI=y
CONFIG_YENTA_ENE_TUNE=y
CONFIG_YENTA_TOSHIBA=y
# CONFIG_PD6729 is not set
# CONFIG_I82092 is not set
# CONFIG_I82365 is not set
# CONFIG_TCIC is not set
CONFIG_PCMCIA_PROBE=y
CONFIG_PCCARD_NONSTATIC=y

#
# PCI Hotplug Support
#
# CONFIG_HOTPLUG_PCI is not set

#
# Executable file formats
#
CONFIG_BINFMT_ELF=y
# CONFIG_BINFMT_AOUT is not set
# CONFIG_BINFMT_MISC is not set

#
# Networking
#
CONFIG_NET=y

#
# Networking options
#
# CONFIG_NETDEBUG is not set
CONFIG_PACKET=y
CONFIG_PACKET_MMAP=y
CONFIG_UNIX=y
CONFIG_XFRM=y
# CONFIG_XFRM_USER is not set
# CONFIG_XFRM_SUB_POLICY is not set
# CONFIG_NET_KEY is not set
CONFIG_INET=y
# CONFIG_IP_MULTICAST is not set
# CONFIG_IP_ADVANCED_ROUTER is not set
CONFIG_IP_FIB_HASH=y
# CONFIG_IP_PNP is not set
# CONFIG_NET_IPIP is not set
# CONFIG_NET_IPGRE is not set
# CONFIG_ARPD is not set
# CONFIG_SYN_COOKIES is not set
# CONFIG_INET_AH is not set
```

PCMCIA WLAN card initialization error

```
# CONFIG_INET_ESP is not set
# CONFIG_INET_IPCOMP is not set
# CONFIG_INET_XFRM_TUNNEL is not set
# CONFIG_INET_TUNNEL is not set
CONFIG_INET_XFRM_MODE_TRANSPORT=y
CONFIG_INET_XFRM_MODE_TUNNEL=y
CONFIG_INET_XFRM_MODE_BEET=y
# CONFIG_INET_DIAG is not set
# CONFIG_TCP_CONG_ADVANCED is not set
CONFIG_TCP_CONG_CUBIC=y
CONFIG_DEFAULT_TCP_CONG="cubic"

#
# IP: Virtual Server Configuration
#
# CONFIG_IP_VS is not set
# CONFIG_IPV6 is not set
# CONFIG_INET6_XFRM_TUNNEL is not set
# CONFIG_INET6_TUNNEL is not set
# CONFIG_NETWORK_SECMARK is not set
CONFIG_NETFILTER=y
# CONFIG_NETFILTER_DEBUG is not set

#
# Core Netfilter Configuration
#
# CONFIG_NETFILTER_NETLINK is not set
CONFIG_NETFILTER_XTABLES=y
# CONFIG_NETFILTER_XT_TARGET_CLASSIFY is not set
# CONFIG_NETFILTER_XT_TARGET_MARK is not set
# CONFIG_NETFILTER_XT_TARGET_NFQUEUE is not set
# CONFIG_NETFILTER_XT_MATCH_COMMENT is not set
# CONFIG_NETFILTER_XT_MATCH_CONNTRACK is not set
# CONFIG_NETFILTER_XT_MATCH_DCCP is not set
# CONFIG_NETFILTER_XT_MATCH_DSCP is not set
# CONFIG_NETFILTER_XT_MATCH_ESP is not set
# CONFIG_NETFILTER_XT_MATCH_HELPER is not set
# CONFIG_NETFILTER_XT_MATCH_LENGTH is not set
CONFIG_NETFILTER_XT_MATCH_LIMIT=y
CONFIG_NETFILTER_XT_MATCH_MAC=y
# CONFIG_NETFILTER_XT_MATCH_MARK is not set
# CONFIG_NETFILTER_XT_MATCH_POLICY is not set
# CONFIG_NETFILTER_XT_MATCH_MULTIPORT is not set
# CONFIG_NETFILTER_XT_MATCH_PKTTYPE is not set
# CONFIG_NETFILTER_XT_MATCH_QUOTA is not set
# CONFIG_NETFILTER_XT_MATCH_REALM is not set
# CONFIG_NETFILTER_XT_MATCH_SCTP is not set
CONFIG_NETFILTER_XT_MATCH_STATE=y
# CONFIG_NETFILTER_XT_MATCH_STATISTIC is not set
# CONFIG_NETFILTER_XT_MATCH_STRING is not set
# CONFIG_NETFILTER_XT_MATCH_TCPMSS is not set
```

PCMCIA WLAN card initialization error

```
#
# IP: Netfilter Configuration
#
CONFIG_IP_NF_CONNTRACK=y
# CONFIG_IP_NF_CT_ACCT is not set
# CONFIG_IP_NF_CONNTRACK_MARK is not set
# CONFIG_IP_NF_CONNTRACK_EVENTS is not set
# CONFIG_IP_NF_CT_PROTO_SCTP is not set
CONFIG_IP_NF_FTP=y
# CONFIG_IP_NF_IRC is not set
# CONFIG_IP_NF_NETBIOS_NS is not set
# CONFIG_IP_NF_TFTP is not set
# CONFIG_IP_NF_AMANDA is not set
# CONFIG_IP_NF_PPTP is not set
# CONFIG_IP_NF_H323 is not set
# CONFIG_IP_NF_SIP is not set
# CONFIG_IP_NF_QUEUE is not set
CONFIG_IP_NF_IPTABLES=y
# CONFIG_IP_NF_MATCH_IPRANGE is not set
# CONFIG_IP_NF_MATCH_TOS is not set
# CONFIG_IP_NF_MATCH_RECENT is not set
# CONFIG_IP_NF_MATCH_ECN is not set
# CONFIG_IP_NF_MATCH_AH is not set
# CONFIG_IP_NF_MATCH_TTL is not set
# CONFIG_IP_NF_MATCH_OWNER is not set
# CONFIG_IP_NF_MATCH_ADDRTYPE is not set
# CONFIG_IP_NF_MATCH_HASHLIMIT is not set
CONFIG_IP_NF_FILTER=y
# CONFIG_IP_NF_TARGET_REJECT is not set
CONFIG_IP_NF_TARGET_LOG=y
# CONFIG_IP_NF_TARGET_ULOG is not set
# CONFIG_IP_NF_TARGET_TCPMSS is not set
# CONFIG_IP_NF_NAT is not set
# CONFIG_IP_NF_MANGLE is not set
# CONFIG_IP_NF_RAW is not set
# CONFIG_IP_NF_ARPTABLES is not set

#
# DCCP Configuration (EXPERIMENTAL)
#
# CONFIG_IP_DCCP is not set

#
# SCTP Configuration (EXPERIMENTAL)
#
# CONFIG_IP_SCTP is not set

#
# TIPC Configuration (EXPERIMENTAL)
#
```

PCMCIA WLAN card initialization error

```
# CONFIG_TIPC is not set
# CONFIG_ATM is not set
# CONFIG_BRIDGE is not set
# CONFIG_VLAN_8021Q is not set
# CONFIG_DECNET is not set
# CONFIG_LLC2 is not set
# CONFIG_IPX is not set
# CONFIG_ATALK is not set
# CONFIG_X25 is not set
# CONFIG_LAPB is not set
# CONFIG_ECONET is not set
# CONFIG_WAN_ROUTER is not set

#
# QoS and/or fair queueing
#
# CONFIG_NET_SCHED is not set

#
# Network testing
#
# CONFIG_NET_PKTGEN is not set
# CONFIG_HAMRADIO is not set
# CONFIG_IRDA is not set
# CONFIG_BT is not set
CONFIG_IEEE80211=y
# CONFIG_IEEE80211_DEBUG is not set
CONFIG_IEEE80211_CRYPT_WEP=y
# CONFIG_IEEE80211_CRYPT_CCMP is not set
# CONFIG_IEEE80211_CRYPT_TKIP is not set
# CONFIG_IEEE80211_SOFTMAC is not set
CONFIG_WIRELESS_EXT=y

#
# Device Drivers
#

#
# Generic Driver Options
#
CONFIG_STANDALONE=y
CONFIG_PREVENT_FIRMWARE_BUILD=y
CONFIG_FW_LOADER=y
# CONFIG_SYS_HYPERVISOR is not set

#
# Connector – unified userspace <-> kernelspace linker
#
# CONFIG_CONNECTOR is not set

#
```

PCMCIA WLAN card initialization error

```
# Memory Technology Devices (MTD)
#
# CONFIG_MTD is not set

#
# Parallel port support
#
CONFIG_PARPORT=y
CONFIG_PARPORT_PC=y
# CONFIG_PARPORT_SERIAL is not set
# CONFIG_PARPORT_PC_FIFO is not set
# CONFIG_PARPORT_PC_SUPERIO is not set
# CONFIG_PARPORT_PC_PCMCIA is not set
# CONFIG_PARPORT_GSC is not set
# CONFIG_PARPORT_AX88796 is not set
CONFIG_PARPORT_1284=y

#
# Plug and Play support
#
CONFIG_PNP=y
# CONFIG_PNP_DEBUG is not set

#
# Protocols
#
# CONFIG_ISAPNP is not set
# CONFIG_PNPBIOS is not set
CONFIG_PNPACPI=y

#
# Block devices
#
CONFIG_BLK_DEV_FD=y
# CONFIG_BLK_DEV_XD is not set
# CONFIG_PARIDE is not set
# CONFIG_BLK_CPQ_DA is not set
# CONFIG_BLK_CPQ_CISS_DA is not set
# CONFIG_BLK_DEV_DAC960 is not set
# CONFIG_BLK_DEV_UMEM is not set
# CONFIG_BLK_DEV_COW_COMMON is not set
CONFIG_BLK_DEV_LOOP=y
CONFIG_BLK_DEV_CRYPTOLOOP=y
# CONFIG_BLK_DEV_NBD is not set
# CONFIG_BLK_DEV_SX8 is not set
# CONFIG_BLK_DEV_UB is not set
CONFIG_BLK_DEV_RAM=y
CONFIG_BLK_DEV_RAM_COUNT=16
CONFIG_BLK_DEV_RAM_SIZE=4096
CONFIG_BLK_DEV_RAM_BLOCKSIZE=1024
# CONFIG_BLK_DEV_INITRD is not set
```

PCMCIA WLAN card initialization error

PCMCIA WLAN card initialization error

```
CONFIG_CDROM_PKTCDVD=y
CONFIG_CDROM_PKTCDVD_BUFFERS=8
# CONFIG_CDROM_PKTCDVD_WCACHE is not set
# CONFIG_ATA_OVER_ETH is not set

#
# Misc devices
#
# CONFIG_IBM_ASM is not set
# CONFIG_SGI_IOC4 is not set
# CONFIG_TIFM_CORE is not set

#
# ATA/ATAPI/MFM/RLL support
#
CONFIG_IDE=y
CONFIG_BLK_DEV_IDE=y

#
# Please see Documentation/ide.txt for help/info on IDE drives
#
# CONFIG_BLK_DEV_IDE_SATA is not set
# CONFIG_BLK_DEV_HD_IDE is not set
CONFIG_BLK_DEV_IDEDISK=y
# CONFIG_IDEDISK_MULTI_MODE is not set
# CONFIG_BLK_DEV_IDECS is not set
CONFIG_BLK_DEV_IDECD=y
# CONFIG_BLK_DEV_IDETAPE is not set
# CONFIG_BLK_DEV_IDEFLOPPY is not set
# CONFIG_BLK_DEV_IDESCSI is not set
# CONFIG_IDE_TASK_IOCTL is not set

#
# IDE chipset support/bugfixes
#
# CONFIG_IDE_GENERIC is not set
# CONFIG_BLK_DEV_CMD640 is not set
# CONFIG_BLK_DEV_IDEPNP is not set
CONFIG_BLK_DEV_IDEPCI=y
CONFIG_IDEPCI_SHARE_IRQ=y
# CONFIG_BLK_DEV_OFFBOARD is not set
# CONFIG_BLK_DEV_GENERIC is not set
# CONFIG_BLK_DEV_OPTI621 is not set
# CONFIG_BLK_DEV_RZ1000 is not set
CONFIG_BLK_DEV_IDEDMA_PCI=y
# CONFIG_BLK_DEV_IDEDMA_FORCED is not set
CONFIG_IDEDMA_PCI_AUTO=y
# CONFIG_IDEDMA_ONLYDISK is not set
# CONFIG_BLK_DEV_AEC62XX is not set
# CONFIG_BLK_DEV_ALI15X3 is not set
CONFIG_BLK_DEV_AMD74XX=y
```

PCMCIA WLAN card initialization error

```
# CONFIG_BLK_DEV_ATIIXP is not set
# CONFIG_BLK_DEV_CMD64X is not set
# CONFIG_BLK_DEV_TRIFLEX is not set
# CONFIG_BLK_DEV_CY82C693 is not set
# CONFIG_BLK_DEV_CS5520 is not set
# CONFIG_BLK_DEV_CS5530 is not set
# CONFIG_BLK_DEV_CS5535 is not set
# CONFIG_BLK_DEV_HPT34X is not set
# CONFIG_BLK_DEV_HPT366 is not set
# CONFIG_BLK_DEV_JMICRON is not set
# CONFIG_BLK_DEV_SC1200 is not set
# CONFIG_BLK_DEV_PIIIX is not set
# CONFIG_BLK_DEV_IT821X is not set
# CONFIG_BLK_DEV_NS87415 is not set
# CONFIG_BLK_DEV_PDC202XX_OLD is not set
# CONFIG_BLK_DEV_PDC202XX_NEW is not set
# CONFIG_BLK_DEV_SVWKS is not set
# CONFIG_BLK_DEV_SIIMAGE is not set
# CONFIG_BLK_DEV_SIS5513 is not set
# CONFIG_BLK_DEV_SLC90E66 is not set
# CONFIG_BLK_DEV_TRM290 is not set
CONFIG_BLK_DEV_VIA82CXXX=y
# CONFIG_IDE_ARM is not set
# CONFIG_IDE_CHIPSETS is not set
CONFIG_BLK_DEV_IDEDMA=y
# CONFIG_IDEDMA_IVB is not set
CONFIG_IDEDMA_AUTO=y
# CONFIG_BLK_DEV_HD is not set

#
# SCSI device support
#
# CONFIG_RAID_ATTRS is not set
CONFIG_SCSI=y
# CONFIG_SCSI_NETLINK is not set
# CONFIG_SCSI_PROC_FS is not set

#
# SCSI support type (disk, tape, CD-ROM)
#
CONFIG_BLK_DEV_SD=y
# CONFIG_CHR_DEV_ST is not set
# CONFIG_CHR_DEV_OSST is not set
# CONFIG_BLK_DEV_SR is not set
# CONFIG_CHR_DEV_SG is not set
# CONFIG_CHR_DEV_SCH is not set

#
# Some SCSI devices (e.g. CD jukebox) support multiple LUNs
#
# CONFIG_SCSI_MULTI_LUN is not set
```

PCMCIA WLAN card initialization error

```
# CONFIG_SCSI_CONSTANTS is not set
# CONFIG_SCSI_LOGGING is not set

#
# SCSI Transports
#
# CONFIG_SCSI_SPI_ATTRS is not set
# CONFIG_SCSI_FC_ATTRS is not set
# CONFIG_SCSI_ISCSI_ATTRS is not set
# CONFIG_SCSI_SAS_ATTRS is not set
# CONFIG_SCSI_SAS_LIBSAS is not set

#
# SCSI low-level drivers
#
# CONFIG_ISCSI_TCP is not set
# CONFIG_BLK_DEV_3W_XXXX_RAID is not set
# CONFIG_SCSI_3W_9XXX is not set
# CONFIG_SCSI_7000FASST is not set
# CONFIG_SCSI_ACARD is not set
# CONFIG_SCSI_AHA152X is not set
# CONFIG_SCSI_AHA1542 is not set
# CONFIG_SCSI_AACRAID is not set
# CONFIG_SCSI_AIC7XXX is not set
# CONFIG_SCSI_AIC7XXX_OLD is not set
# CONFIG_SCSI_AIC79XX is not set
# CONFIG_SCSI_AIC94XX is not set
# CONFIG_SCSI_DPT_I2O is not set
# CONFIG_SCSI_ADVANSYS is not set
# CONFIG_SCSI_IN2000 is not set
# CONFIG_SCSI_ARCMSR is not set
# CONFIG_MEGARAID_NEWGEN is not set
# CONFIG_MEGARAID_LEGACY is not set
# CONFIG_MEGARAID_SAS is not set
# CONFIG_SCSI_HPTIOP is not set
# CONFIG_SCSI_BUSLOGIC is not set
# CONFIG_SCSI_DMX3191D is not set
# CONFIG_SCSI_DTC3280 is not set
# CONFIG_SCSI_EATA is not set
# CONFIG_SCSI_FUTURE_DOMAIN is not set
# CONFIG_SCSI_GDTH is not set
# CONFIG_SCSI_GENERIC_NCR5380 is not set
# CONFIG_SCSI_GENERIC_NCR5380_MMIO is not set
# CONFIG_SCSI_IPS is not set
# CONFIG_SCSI_INITIO is not set
# CONFIG_SCSI_INIA100 is not set
# CONFIG_SCSI_PPA is not set
# CONFIG_SCSI_IMM is not set
# CONFIG_SCSI_NCR53C406A is not set
# CONFIG_SCSI_STEX is not set
# CONFIG_SCSI_SYM53C8XX_2 is not set
```

PCMCIA WLAN card initialization error

```
# CONFIG_SCSI_PAS16 is not set
# CONFIG_SCSI_PSI240I is not set
# CONFIG_SCSI_QLOGIC_FAS is not set
# CONFIG_SCSI_QLOGIC_1280 is not set
# CONFIG_SCSI_QLA_FC is not set
# CONFIG_SCSI_QLA_ISCSI is not set
# CONFIG_SCSI_LPFC is not set
# CONFIG_SCSI_SYM53C416 is not set
# CONFIG_SCSI_DC395x is not set
# CONFIG_SCSI_DC390T is not set
# CONFIG_SCSI_T128 is not set
# CONFIG_SCSI_U14_34F is not set
# CONFIG_SCSI_ULTRASTOR is not set
# CONFIG_SCSI_NSP32 is not set
# CONFIG_SCSI_DEBUG is not set

#
# PCMCIA SCSI adapter support
#
# CONFIG_PCMCIA_AHA152X is not set
# CONFIG_PCMCIA_FDOMAIN is not set
# CONFIG_PCMCIA_NINJA_SCSI is not set
# CONFIG_PCMCIA_QLOGIC is not set
# CONFIG_PCMCIA_SYM53C500 is not set

#
# Serial ATA (prod) and Parallel ATA (experimental) drivers
#
# CONFIG_ATA is not set

#
# Old CD-ROM drivers (not SCSI, not IDE)
#
# CONFIG_CD_NO_IDESCSI is not set

#
# Multi-device support (RAID and LVM)
#
# CONFIG_MD is not set

#
# Fusion MPT device support
#
# CONFIG_FUSION is not set
# CONFIG_FUSION_SPI is not set
# CONFIG_FUSION_FC is not set
# CONFIG_FUSION_SAS is not set

#
# IEEE 1394 (FireWire) support
#
```

PCMCIA WLAN card initialization error

```
# CONFIG_IEEE1394 is not set

#
# I2O device support
#
# CONFIG_I2O is not set

#
# Network device support
#
CONFIG_NETDEVICES=y
# CONFIG_DUMMY is not set
# CONFIG_BONDING is not set
# CONFIG_EQUALIZER is not set
# CONFIG_TUN is not set
# CONFIG_NET_SB1000 is not set

#
# ARCnet devices
#
# CONFIG_ARCNET is not set

#
# PHY device support
#
# CONFIG_PHYLIB is not set

#
# Ethernet (10 or 100Mbit)
#
CONFIG_NET_ETHERNET=y
CONFIG_MII=y
# CONFIG_HAPPYMEAL is not set
# CONFIG_SUNGEM is not set
# CONFIG_CASSINI is not set
# CONFIG_NET_VENDOR_3COM is not set
# CONFIG_LANCE is not set
# CONFIG_NET_VENDOR_SMC is not set
# CONFIG_NET_VENDOR_RACAL is not set

#
# Tulip family network device support
#
# CONFIG_NET_TULIP is not set
# CONFIG_AT1700 is not set
# CONFIG_DEPCA is not set
# CONFIG_HP100 is not set
# CONFIG_NET_ISA is not set
CONFIG_NET_PCI=y
# CONFIG_PCNET32 is not set
# CONFIG_AMD8111_ETH is not set
```

PCMCIA WLAN card initialization error

```
# CONFIG_ADAPTEC_STARFIRE is not set
# CONFIG_AC3200 is not set
# CONFIG_APRICOT is not set
# CONFIG_B44 is not set
CONFIG_FORCEDETH=y
# CONFIG_FORCEDETH_NAPI is not set
# CONFIG_CS89x0 is not set
# CONFIG_DGRS is not set
# CONFIG_EEPRO100 is not set
CONFIG_E100=y
# CONFIG_FEALNX is not set
# CONFIG_NATSEMI is not set
# CONFIG_NE2K_PCI is not set
# CONFIG_8139CP is not set
# CONFIG_8139TOO is not set
# CONFIG_SIS900 is not set
# CONFIG_EPIC100 is not set
# CONFIG_SUNDANCE is not set
# CONFIG_TLAN is not set
# CONFIG_VIA_RHINE is not set
# CONFIG_NET_POCKET is not set
```

```
#
# Ethernet (1000 Mbit)
#
# CONFIG_ACENIC is not set
# CONFIG_DL2K is not set
# CONFIG_E1000 is not set
# CONFIG_NS83820 is not set
# CONFIG_HAMACHI is not set
# CONFIG_YELLOWFIN is not set
CONFIG_R8169=y
# CONFIG_R8169_NAPI is not set
# CONFIG_SIS190 is not set
# CONFIG_SKGE is not set
# CONFIG_SKY2 is not set
# CONFIG_SK98LIN is not set
# CONFIG_VIA_VELOCITY is not set
# CONFIG_TIGON3 is not set
# CONFIG_BNX2 is not set
# CONFIG_QLA3XXX is not set
```

```
#
# Ethernet (10000 Mbit)
#
# CONFIG_CHELSIO_T1 is not set
# CONFIG_IXGB is not set
# CONFIG_S2IO is not set
# CONFIG_MYRI10GE is not set
```

```
#
```

PCMCIA WLAN card initialization error

PCMCIA WLAN card initialization error

```
# Token Ring devices
#
# CONFIG_TR is not set

#
# Wireless LAN (non-hamradio)
#
CONFIG_NET_RADIO=y
# CONFIG_NET_WIRELESS_RTNETLINK is not set

#
# Obsolete Wireless cards support (pre-802.11)
#
# CONFIG_STRIP is not set
# CONFIG_ARLAN is not set
# CONFIG_WAVELAN is not set
# CONFIG_PCMCIA_WAVELAN is not set
# CONFIG_PCMCIA_NETWAVE is not set

#
# Wireless 802.11 Frequency Hopping cards support
#
# CONFIG_PCMCIA_RAYCS is not set

#
# Wireless 802.11b ISA/PCI cards support
#
# CONFIG_IPW2100 is not set
# CONFIG_IPW2200 is not set
# CONFIG_AIRO is not set
CONFIG_HERMES=m
# CONFIG_PLX_HERMES is not set
# CONFIG_TMD_HERMES is not set
# CONFIG_NORTEL_HERMES is not set
# CONFIG_PCI_HERMES is not set
# CONFIG_ATMEL is not set

#
# Wireless 802.11b Pcmcia/Cardbus cards support
#
CONFIG_PCMCIA_HERMES=m
# CONFIG_PCMCIA_SPECTRUM is not set
# CONFIG_AIRO_CS is not set
# CONFIG_PCMCIA_WL3501 is not set

#
# Prism GT/Duette 802.11(a/b/g) PCI/Cardbus support
#
# CONFIG_PRISM54 is not set
# CONFIG_USB_ZD1201 is not set
# CONFIG_HOSTAP is not set
```

PCMCIA WLAN card initialization error

```
CONFIG_NET_WIRELESS=y

#
# PCMCIA network device support
#
CONFIG_NET_PCMCIA=y
# CONFIG_PCMCIA_3C589 is not set
# CONFIG_PCMCIA_3C574 is not set
# CONFIG_PCMCIA_FMVJ18X is not set
# CONFIG_PCMCIA_PCNET is not set
# CONFIG_PCMCIA_NMCLAN is not set
# CONFIG_PCMCIA_SMC91C92 is not set
# CONFIG_PCMCIA_XIRC2PS is not set
# CONFIG_PCMCIA_AXNET is not set

#
# Wan interfaces
#
# CONFIG_WAN is not set
# CONFIG_FDDI is not set
# CONFIG_HIPPI is not set
# CONFIG_PLIP is not set
# CONFIG_PPP is not set
# CONFIG_SLIP is not set
# CONFIG_NET_FC is not set
# CONFIG_SHAPER is not set
# CONFIG_NETCONSOLE is not set
# CONFIG_NETPOLL is not set
# CONFIG_NET_POLL_CONTROLLER is not set

#
# ISDN subsystem
#
# CONFIG_ISDN is not set

#
# Telephony Support
#
# CONFIG_PHONE is not set

#
# Input device support
#
CONFIG_INPUT=y
# CONFIG_INPUT_FF_MEMLESS is not set

#
# Userland interfaces
#
CONFIG_INPUT_MOUSEDEV=y
CONFIG_INPUT_MOUSEDEV_PSAUX=y
```

PCMCIA WLAN card initialization error

PCMCIA WLAN card initialization error

```
CONFIG_INPUT_MOUSEDEV_SCREEN_X=1280
CONFIG_INPUT_MOUSEDEV_SCREEN_Y=1024
# CONFIG_INPUT_JOYDEV is not set
# CONFIG_INPUT_TSDEV is not set
CONFIG_INPUT_EVDEV=y
# CONFIG_INPUT_EVBUG is not set

#
# Input Device Drivers
#
CONFIG_INPUT_KEYBOARD=y
CONFIG_KEYBOARD_ATKBD=y
# CONFIG_KEYBOARD_SUNKBD is not set
# CONFIG_KEYBOARD_LKKBD is not set
# CONFIG_KEYBOARD_XTKBD is not set
# CONFIG_KEYBOARD_NEWTON is not set
# CONFIG_KEYBOARD_STOWAWAY is not set
CONFIG_INPUT_MOUSE=y
CONFIG_MOUSE_PS2=y
# CONFIG_MOUSE_SERIAL is not set
# CONFIG_MOUSE_INPORT is not set
# CONFIG_MOUSE_LOGIBM is not set
# CONFIG_MOUSE_PC110PAD is not set
# CONFIG_MOUSE_VSXXXAA is not set
# CONFIG_INPUT_JOYSTICK is not set
# CONFIG_INPUT_TOUCHSCREEN is not set
# CONFIG_INPUT_MISC is not set

#
# Hardware I/O ports
#
CONFIG_SERIO=y
CONFIG_SERIO_I8042=y
# CONFIG_SERIO_SERPORT is not set
# CONFIG_SERIO_CT82C710 is not set
# CONFIG_SERIO_PARKBD is not set
# CONFIG_SERIO_PCIPS2 is not set
CONFIG_SERIO_LIBPS2=y
# CONFIG_SERIO_RAW is not set
# CONFIG_GAMEPORT is not set

#
# Character devices
#
CONFIG_VT=y
CONFIG_VT_CONSOLE=y
CONFIG_HW_CONSOLE=y
# CONFIG_VT_HW_CONSOLE_BINDING is not set
# CONFIG_SERIAL_NONSTANDARD is not set

#
```

PCMCIA WLAN card initialization error

```
# Serial drivers
#
CONFIG_SERIAL_8250=y
# CONFIG_SERIAL_8250_CONSOLE is not set
CONFIG_SERIAL_8250_PCI=y
CONFIG_SERIAL_8250_PNP=y
# CONFIG_SERIAL_8250_CS is not set
CONFIG_SERIAL_8250_NR_UARTS=4
CONFIG_SERIAL_8250_RUNTIME_UARTS=4
# CONFIG_SERIAL_8250_EXTENDED is not set

#
# Non-8250 serial port support
#
CONFIG_SERIAL_CORE=y
# CONFIG_SERIAL_JSM is not set
CONFIG_UNIX98_PTYS=y
CONFIG_LEGACY_PTYS=y
CONFIG_LEGACY_PTY_COUNT=256
CONFIG_PRINTER=y
# CONFIG_LP_CONSOLE is not set
# CONFIG_PPDEV is not set
# CONFIG_TIPAR is not set

#
# IPMI
#
# CONFIG_IPMI_HANDLER is not set

#
# Watchdog Cards
#
# CONFIG_WATCHDOG is not set
# CONFIG_HW_RANDOM is not set
CONFIG_NVRAM=y
CONFIG_RTC=y
# CONFIG_DTLK is not set
# CONFIG_R3964 is not set
# CONFIG_APPLICOM is not set
# CONFIG_SONYPI is not set

#
# Ftape, the floppy tape device driver
#
# CONFIG_FTAPE is not set
CONFIG_AGP=y
# CONFIG_AGP_ALI is not set
# CONFIG_AGP_ATI is not set
# CONFIG_AGP_AMD is not set
CONFIG_AGP_AMD64=y
# CONFIG_AGP_INTEL is not set
```

PCMCIA WLAN card initialization error

```
CONFIG_AGP_NVIDIA=y
# CONFIG_AGP_SIS is not set
# CONFIG_AGP_SWORKS is not set
CONFIG_AGP_VIA=y
# CONFIG_AGP_EFFICEON is not set
CONFIG_DRM=y
# CONFIG_DRM_TDFX is not set
# CONFIG_DRM_R128 is not set
CONFIG_DRM_RADEON=y
# CONFIG_DRM_MGA is not set
# CONFIG_DRM_SIS is not set
# CONFIG_DRM_VIA is not set
# CONFIG_DRM_SAVAGE is not set

#
# PCMCIA character devices
#
# CONFIG_SYNCLINK_CS is not set
# CONFIG_CARDMAN_4000 is not set
# CONFIG_CARDMAN_4040 is not set
# CONFIG_MWAVE is not set
# CONFIG_PC8736x_GPIO is not set
# CONFIG_NSC_GPIO is not set
# CONFIG_CS5535_GPIO is not set
# CONFIG_RAW_DRIVER is not set
# CONFIG_HPET is not set
# CONFIG_HANGCHECK_TIMER is not set

#
# TPM devices
#
# CONFIG_TCG_TPM is not set
# CONFIG_TELCLOCK is not set

#
# I2C support
#
CONFIG_I2C=y
CONFIG_I2C_CHARDEV=y

#
# I2C Algorithms
#
CONFIG_I2C_ALGOBIT=y
# CONFIG_I2C_ALGOPCF is not set
# CONFIG_I2C_ALGOPCA is not set

#
# I2C Hardware Bus support
#
# CONFIG_I2C_ALI1535 is not set
```

PCMCIA WLAN card initialization error

PCMCIA WLAN card initialization error

```
# CONFIG_I2C_ALI1563 is not set
# CONFIG_I2C_ALI15X3 is not set
# CONFIG_I2C_AMD756 is not set
# CONFIG_I2C_AMD8111 is not set
# CONFIG_I2C_ELEKTOR is not set
# CONFIG_I2C_I801 is not set
# CONFIG_I2C_I810 is not set
# CONFIG_I2C_PIIX4 is not set
CONFIG_I2C_ISA=y
# CONFIG_I2C_NFORCE2 is not set
# CONFIG_I2C_OCORES is not set
# CONFIG_I2C_PARPORT is not set
# CONFIG_I2C_PARPORT_LIGHT is not set
# CONFIG_I2C_PROSAVAGE is not set
# CONFIG_I2C_SAVAGE4 is not set
# CONFIG_SCx200_ACB is not set
# CONFIG_I2C_SIS5595 is not set
# CONFIG_I2C_SIS630 is not set
# CONFIG_I2C_SIS96X is not set
# CONFIG_I2C_STUB is not set
# CONFIG_I2C_VIA is not set
CONFIG_I2C_VIAPRO=y
# CONFIG_I2C_VOODOO3 is not set
# CONFIG_I2C_PCA_ISA is not set

#
# Miscellaneous I2C Chip support
#
# CONFIG_SENSORS_DS1337 is not set
# CONFIG_SENSORS_DS1374 is not set
# CONFIG_SENSORS_EEPROM is not set
# CONFIG_SENSORS_PCF8574 is not set
# CONFIG_SENSORS_PCA9539 is not set
# CONFIG_SENSORS_PCF8591 is not set
# CONFIG_SENSORS_MAX6875 is not set
# CONFIG_I2C_DEBUG_CORE is not set
# CONFIG_I2C_DEBUG_ALGO is not set
# CONFIG_I2C_DEBUG_BUS is not set
# CONFIG_I2C_DEBUG_CHIP is not set

#
# SPI support
#
# CONFIG_SPI is not set
# CONFIG_SPI_MASTER is not set

#
# Dallas's 1-wire bus
#
# CONFIG_W1 is not set
```

PCMCIA WLAN card initialization error

```
#
# Hardware Monitoring support
#
CONFIG_HWMON=y
CONFIG_HWMON_VID=y
# CONFIG_SENSORS_ABITUGURU is not set
# CONFIG_SENSORS_ADM1021 is not set
# CONFIG_SENSORS_ADM1025 is not set
# CONFIG_SENSORS_ADM1026 is not set
# CONFIG_SENSORS_ADM1031 is not set
# CONFIG_SENSORS_ADM9240 is not set
# CONFIG_SENSORS_K8TEMP is not set
# CONFIG_SENSORS_ASB100 is not set
# CONFIG_SENSORS_ATXP1 is not set
# CONFIG_SENSORS_DS1621 is not set
# CONFIG_SENSORS_F71805F is not set
# CONFIG_SENSORS_FSCHER is not set
# CONFIG_SENSORS_FSCPOS is not set
# CONFIG_SENSORS_GL518SM is not set
# CONFIG_SENSORS_GL520SM is not set
CONFIG_SENSORS_IT87=y
# CONFIG_SENSORS_LM63 is not set
# CONFIG_SENSORS_LM75 is not set
# CONFIG_SENSORS_LM77 is not set
# CONFIG_SENSORS_LM78 is not set
# CONFIG_SENSORS_LM80 is not set
# CONFIG_SENSORS_LM83 is not set
# CONFIG_SENSORS_LM85 is not set
# CONFIG_SENSORS_LM87 is not set
# CONFIG_SENSORS_LM90 is not set
# CONFIG_SENSORS_LM92 is not set
# CONFIG_SENSORS_MAX1619 is not set
# CONFIG_SENSORS_PC87360 is not set
# CONFIG_SENSORS_SIS5595 is not set
# CONFIG_SENSORS_SMSC47M1 is not set
# CONFIG_SENSORS_SMSC47M192 is not set
# CONFIG_SENSORS_SMSC47B397 is not set
# CONFIG_SENSORS_VIA686A is not set
# CONFIG_SENSORS_VT1211 is not set
# CONFIG_SENSORS_VT8231 is not set
# CONFIG_SENSORS_W83781D is not set
# CONFIG_SENSORS_W83791D is not set
# CONFIG_SENSORS_W83792D is not set
# CONFIG_SENSORS_W83L785TS is not set
# CONFIG_SENSORS_W83627HF is not set
# CONFIG_SENSORS_W83627EHF is not set
# CONFIG_SENSORS_HDAPS is not set
# CONFIG_HWMON_DEBUG_CHIP is not set

#
# Multimedia devices
```

PCMCIA WLAN card initialization error

```
#
CONFIG_VIDEO_DEV=y
CONFIG_VIDEO_V4L1=y
CONFIG_VIDEO_V4L1_COMPAT=y
CONFIG_VIDEO_V4L2=y

#
# Video Capture Adapters
#

#
# Video Capture Adapters
#
# CONFIG_VIDEO_ADV_DEBUG is not set
CONFIG_VIDEO_HELPER_CHIPS_AUTO=y
# CONFIG_VIDEO_VIVI is not set
# CONFIG_VIDEO_BT848 is not set
# CONFIG_VIDEO_PMS is not set
# CONFIG_VIDEO_BWQCAM is not set
# CONFIG_VIDEO_CQCAM is not set
# CONFIG_VIDEO_W9966 is not set
# CONFIG_VIDEO_CPIA is not set
# CONFIG_VIDEO_CPIA2 is not set
# CONFIG_VIDEO_SAA5246A is not set
# CONFIG_VIDEO_SAA5249 is not set
# CONFIG_TUNER_3036 is not set
# CONFIG_VIDEO_STRADIS is not set
# CONFIG_VIDEO_ZORAN is not set
CONFIG_VIDEO_SAA7134=y
# CONFIG_V
```