

# [BUG] timer.h

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/Kernel/2007-08/msg00903.html>

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  - *Date:* Thu, 02 Aug 2007 17:30:30 +0200
- 

Hi,

today I got the following kernel bug while wpa\_supplicant tried to connect to my AP. Kernel is a self-compiled 2.6.22 running under Ubuntu Feisty.

The wireless device is a r8187 USB, the driver is patched for injection capability taken from [www.aircrack-ng.org](http://www.aircrack-ng.org).

Don't know if this bug is related to the driver or to the kernel, I'm no expert.

Attached is the full dmesg and .config. Please CC to me, I'm not on the list.

-----[ cut here ]-----

kernel BUG at include/linux/timer.h:153!

invalid opcode: 0000 [#1]

PREEMPT

Modules linked in: michael\_mic ieee80211\_crypt\_tkip\_rtl ieee80211\_crypt\_ccmp\_rtl r8187 ieee80211\_rtl ieee80211\_crypt\_rtl speedstep\_ich speedstep\_lib dm\_crypt dm\_mod fuse firewire\_sbp2 ehci\_hcd ohci\_hcd pcmcia firmware\_class usbhid firewire\_ohci firewire\_core nvidia(P) yenta\_socket rsrsc\_nonstatic pcmcia\_core crc\_itu\_t uhci\_hcd floppy usbcore

CPU: 0

EIP: 0060:[<f8f25cf4>] Tainted: P VLI

EFLAGS: 00010286 (2.6.22 #3)

EIP is at ieee80211\_associate\_step1\_rtl7+0x257/0x28d [ieee80211\_rtl]

eax: f2be5ae8 ebx: c045be90 ecx: f2be5cf8 edx: ffffffff

esi: f2be53a0 edi: f741b380 ebp: 00000202 esp: f38a9f68

ds: 007b es: 007b fs: 0000 gs: 0000 ss: 0068

Process Ieee80211/0 (pid: 2635, ti=f38a8000 task=f38c8570 task.ti=f38a8000)

Stack: ffffffff f2e9c210 f2be5b88 f2be53a0 f1bc11c0 f8f2600c f8f2606e f2be5b8c

f2be5b88 c01276a6 001e8480 00000000 0000001d c0456198 f1bc11c8 f1bc11c0

c0127c55 00000000 c0127cf2 00000000 f38c8570 c012a784 f38a9fc0 f38a9fc0

Call Trace:

[<f8f2600c>] ieee80211\_associate\_procedure\_wq\_rtl7+0x0/0x78 [ieee80211\_rtl]

[<f8f2606e>] ieee80211\_associate\_procedure\_wq\_rtl7+0x62/0x78 [ieee80211\_rtl]

[<c01276a6>] run\_workqueue+0x84/0x135

[<c0127c55>] worker\_thread+0x0/0xfb

[<c0127cf2>] worker\_thread+0x9d/0xfb

[<c012a784>] autoremove\_wake\_function+0x0/0x37

[<c0127c55>] worker\_thread+0x0/0xfb

[<c012a4aa>] kthread+0x33/0x54

[<c012a477>] kthread+0x0/0x54

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[<c010490f>] kernel\_thread\_helper+0x7/0x18

=====

Code: 43 c7 e9 5b ff ff ff 66 c7 86 c4 05 00 00 00 00 e9 2b ff ff ff 89 fa 89 f0 e8 b8 c3 ff ff eb c5 66 c7 86 c4  
05 00 00 00 00 eb 9d <0f> 0b eb  
fe b9 fd 5c f2 f8 ba 1e 00 00 00 89 f8 e8 13 ca 3c c7  
EIP: [<f8f25cf4>] ieee80211\_associate\_step1\_rtl7+0x257/0x28d [ieee80211\_rtl] SS:ESP 0068:f38a9f68

```
#
# Automatically generated make config: don't edit
# Linux kernel version: 2.6.22
# Tue Jul 31 15:41:41 2007
#
CONFIG_X86_32=y
CONFIG_GENERIC_TIME=y
CONFIG_CLOCKSOURCE_WATCHDOG=y
CONFIG_GENERIC_CLOCKEVENTS=y
CONFIG_GENERIC_CLOCKEVENTS_BROADCAST=y
CONFIG_LOCKDEP_SUPPORT=y
CONFIG_STACKTRACE_SUPPORT=y
CONFIG_SEMAPHORE_SLEEPERS=y
CONFIG_X86=y
CONFIG_MMU=y
CONFIG_ZONE_DMA=y
CONFIG_QUICKLIST=y
CONFIG_GENERIC_ISA_DMA=y
CONFIG_GENERIC_IOMAP=y
CONFIG_GENERIC_BUG=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=""
# CONFIG_LOCALVERSION_AUTO is not set
CONFIG_SWAP=y
```

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```
CONFIG_SYSVIPC=y
# CONFIG_IPC_NS is not set
CONFIG_SYSVIPC_SYSCTL=y
CONFIG_POSIX_MQUEUE=y
CONFIG_BSD_PROCESS_ACCT=y
# CONFIG_BSD_PROCESS_ACCT_V3 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_LOG_BUF_SHIFT=14
# CONFIG_SYSFS_DEPRECATED is not set
# CONFIG_RELAY is not set
# CONFIG_BLK_DEV_INITRD is not set
# CONFIG_CC_OPTIMIZE_FOR_SIZE is not set
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_ANON_INODES=y
CONFIG_EPOLL=y
CONFIG_SIGNALFD=y
CONFIG_TIMERFD=y
CONFIG_EVENTFD=y
CONFIG_SHMEM=y
CONFIG_VM_EVENT_COUNTERS=y
CONFIG_SLAB=y
# CONFIG_SLUB is not set
# CONFIG_SLOB is not set
CONFIG_RT_MUTEXES=y
# CONFIG_TINY_SHMEM is not set
CONFIG_BASE_SMALL=0

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

```
#
# Block layer
#
CONFIG_BLOCK=y
# CONFIG_LBD is not set
# CONFIG_BLK_DEV_IO_TRACE is not set
# 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_TICK_ONESHOT is not set
# CONFIG_NO_HZ is not set
# CONFIG_HIGH_RES_TIMERS is not set
# 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_PARAVIRT 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_MPENTIUMII is not set
# CONFIG_MPENTIUMIII is not set
# CONFIG_MPENTIUMMM is not set
# CONFIG_MCORE2 is not set
CONFIG_MPENTIUM4=y
# CONFIG_MK6 is not set
```

```
# CONFIG_MK7 is not set
# CONFIG_MK8 is not set
# 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_MVIAC7 is not set
# CONFIG_X86_GENERIC is not set
CONFIG_X86_CMPXCHG=y
CONFIG_X86_L1_CACHE_SHIFT=7
CONFIG_X86_XADD=y
CONFIG_RWSEM_XCHGADD_ALGORITHM=y
# CONFIG_ARCH_HAS_ILOG2_U32 is not set
# CONFIG_ARCH_HAS_ILOG2_U64 is not set
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_GOOD_APIC=y
CONFIG_X86_INTEL_USERCOPY=y
CONFIG_X86_USE_PPRO_CHECKSUM=y
CONFIG_X86_TSC=y
CONFIG_X86_CMOV=y
CONFIG_X86_MINIMUM_CPU_MODEL=4
CONFIG_HPET_TIMER=y
CONFIG_HPET_EMULATE_RTC=y
# 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=y
CONFIG_VM86=y
# CONFIG_TOSHIBA is not set
CONFIG_I8K=y
# 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
# 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_ZONE_DMA_FLAG=1
CONFIG_NR_QUICK=1
# CONFIG_HIGHPTA is not set
# CONFIG_MATH_EMULATION is not set
CONFIG_MTRR=y
# CONFIG_EFI is not set
CONFIG_SECCOMP=y
# CONFIG_HZ_100 is not set
# CONFIG_HZ_250 is not set
# CONFIG_HZ_300 is not set
CONFIG_HZ_1000=y
CONFIG_HZ=1000
# CONFIG_KEXEC is not set
# CONFIG_CRASH_DUMP is not set
CONFIG_PHYSICAL_START=0x100000
# CONFIG_RELOCATABLE is not set
CONFIG_PHYSICAL_ALIGN=0x100000
# CONFIG_COMPAT_VDSO is not set
CONFIG_ARCH_ENABLE_MEMORY_HOTPLUG=y

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

```
# CONFIG_SOFTWARE_SUSPEND is not set

#
# ACPI (Advanced Configuration and Power Interface) Support
#
CONFIG_ACPI=y
CONFIG_ACPI_SLEEP=y
CONFIG_ACPI_SLEEP_PROC_FS=y
# CONFIG_ACPI_SLEEP_PROC_SLEEP is not set
CONFIG_ACPI_PROCFS=y
CONFIG_ACPI_AC=y
CONFIG_ACPI_BATTERY=y
CONFIG_ACPI_BUTTON=y
CONFIG_ACPI_FAN=y
# CONFIG_ACPI_DOCK is not set
CONFIG_ACPI_PROCESSOR=y
CONFIG_ACPI_THERMAL=y
# CONFIG_ACPI_ASUS is not set
# CONFIG_ACPI_TOSHIBA is not set
# CONFIG_ACPI_CUSTOM_DSDT is not set
CONFIG_ACPI_BLACKLIST_YEAR=0
# CONFIG_ACPI_DEBUG is not set
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
# CONFIG_APM is not set

#
# CPU Frequency scaling
#
CONFIG_CPU_FREQ=y
CONFIG_CPU_FREQ_TABLE=y
# CONFIG_CPU_FREQ_DEBUG is not set
CONFIG_CPU_FREQ_STAT=y
CONFIG_CPU_FREQ_STAT_DETAILS=y
# CONFIG_CPU_FREQ_DEFAULT_GOV_PERFORMANCE is not set
CONFIG_CPU_FREQ_DEFAULT_GOV_USERSPACE=y
CONFIG_CPU_FREQ_GOV_PERFORMANCE=y
CONFIG_CPU_FREQ_GOV_POWERSAVE=y
CONFIG_CPU_FREQ_GOV_USERSPACE=y
CONFIG_CPU_FREQ_GOV_ONDEMAND=y
CONFIG_CPU_FREQ_GOV_CONSERVATIVE=y

#
# CPUFreq processor drivers
#
# CONFIG_X86_ACPI_CPUFREQ is not set
# CONFIG_X86_POWERNOW_K6 is not set
```

```
# CONFIG_X86_POWERNOW_K7 is not set
# CONFIG_X86_POWERNOW_K8 is not set
# CONFIG_X86_GX_SUSPMOD is not set
# CONFIG_X86_SPEEDSTEP_CENTRINO is not set
CONFIG_X86_SPEEDSTEP_ICH=m
# CONFIG_X86_SPEEDSTEP_SMI is not set
# CONFIG_X86_P4_CLOCKMOD is not set
# CONFIG_X86_CPUFREQ_NFORCE2 is not set
# CONFIG_X86_LONGRUN is not set
# CONFIG_X86_LONGHAUL is not set
# CONFIG_X86_E_POWERSAVER is not set

#
# shared options
#
CONFIG_X86_SPEEDSTEP_LIB=m
# CONFIG_X86_SPEEDSTEP_RELAXED_CAP_CHECK is not set

#
# Bus options (PCI, PCMCIA, EISA, MCA, ISA)
#
CONFIG_PCI=y
# CONFIG_PCI_GOBIOS 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_ARCH_SUPPORTS_MSI=y
CONFIG_PCI_MSI=y
CONFIG_HT_IRQ=y
CONFIG_ISA_DMA_API=y
# CONFIG_ISA is not set
# CONFIG_MCA is not set
# CONFIG_SCx200 is not set

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

#
# PC-card bridges
#
```

```
CONFIG_YENTA=m
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_PCCARD_NONSTATIC=m
# 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_PACKET=y
CONFIG_PACKET_MMAP=y
CONFIG_UNIX=y
# CONFIG_NET_KEY is not set
CONFIG_INET=y
CONFIG_IP_MULTICAST=y
# 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_IP_MROUTE is not set
# CONFIG_ARPD is not set
CONFIG_SYN_COOKIES=y
# CONFIG_INET_AH is not set
# 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 is not set
# CONFIG_INET_XFRM_MODE_TUNNEL is not set
# CONFIG_INET_XFRM_MODE_BEET is not set
CONFIG_INET_DIAG=y
CONFIG_INET_TCP_DIAG=y
# CONFIG_TCP_CONG_ADVANCED is not set
```

```
CONFIG_TCP_CONG_CUBIC=y
CONFIG_DEFAULT_TCP_CONG="cubic"
# CONFIG_TCP_MD5SIG is not set
# 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_NETLABEL is not set
# CONFIG_NETWORK_SECMARK is not set
CONFIG_NETFILTER=y
# CONFIG_NETFILTER_DEBUG is not set

#
# Core Netfilter Configuration
#
CONFIG_NETFILTER_NETLINK=m
CONFIG_NETFILTER_NETLINK_QUEUE=m
CONFIG_NETFILTER_NETLINK_LOG=m
CONFIG_NF_CONNTRACK_ENABLED=m
CONFIG_NF_CONNTRACK=m
CONFIG_NF_CT_ACCT=y
CONFIG_NF_CONNTRACK_MARK=y
CONFIG_NF_CONNTRACK_EVENTS=y
CONFIG_NF_CT_PROTO_GRE=m
CONFIG_NF_CT_PROTO_SCTP=m
CONFIG_NF_CONNTRACK_AMANDA=m
CONFIG_NF_CONNTRACK_FTP=m
CONFIG_NF_CONNTRACK_H323=m
CONFIG_NF_CONNTRACK_IRC=m
CONFIG_NF_CONNTRACK_NETBIOS_NS=m
CONFIG_NF_CONNTRACK_PPTP=m
CONFIG_NF_CONNTRACK_SANE=m
CONFIG_NF_CONNTRACK_SIP=m
CONFIG_NF_CONNTRACK_TFTP=m
CONFIG_NF_CT_NETLINK=m
CONFIG_NETFILTER_XTABLES=m
CONFIG_NETFILTER_XT_TARGET_CLASSIFY=m
CONFIG_NETFILTER_XT_TARGET_CONNMARK=m
CONFIG_NETFILTER_XT_TARGET_DSCP=m
CONFIG_NETFILTER_XT_TARGET_MARK=m
CONFIG_NETFILTER_XT_TARGET_NFQUEUE=m
CONFIG_NETFILTER_XT_TARGET_NFLOG=m
CONFIG_NETFILTER_XT_TARGET_NOTRACK=m
CONFIG_NETFILTER_XT_TARGET_TCPMSS=m
CONFIG_NETFILTER_XT_MATCH_COMMENT=m
CONFIG_NETFILTER_XT_MATCH_CONNBYTES=m
CONFIG_NETFILTER_XT_MATCH_CONNMARK=m
CONFIG_NETFILTER_XT_MATCH_CONNTRACK=m
CONFIG_NETFILTER_XT_MATCH_DCCP=m
CONFIG_NETFILTER_XT_MATCH_DSCP=m
CONFIG_NETFILTER_XT_MATCH_ESP=m
```

```
CONFIG_NETFILTER_XT_MATCH_HELPER=m
CONFIG_NETFILTER_XT_MATCH_LENGTH=m
CONFIG_NETFILTER_XT_MATCH_LIMIT=m
CONFIG_NETFILTER_XT_MATCH_MAC=m
CONFIG_NETFILTER_XT_MATCH_MARK=m
CONFIG_NETFILTER_XT_MATCH_MULTIPORT=m
CONFIG_NETFILTER_XT_MATCH_PKTTYPE=m
CONFIG_NETFILTER_XT_MATCH_QUOTA=m
CONFIG_NETFILTER_XT_MATCH_REALM=m
CONFIG_NETFILTER_XT_MATCH_SCTP=m
CONFIG_NETFILTER_XT_MATCH_STATE=m
CONFIG_NETFILTER_XT_MATCH_STATISTIC=m
CONFIG_NETFILTER_XT_MATCH_STRING=m
CONFIG_NETFILTER_XT_MATCH_TCPMSS=m
CONFIG_NETFILTER_XT_MATCH_HASHLIMIT=m
```

```
#
```

```
# IP: Netfilter Configuration
```

```
#
```

```
CONFIG_NF_CONNTRACK_IPV4=m
CONFIG_NF_CONNTRACK_PROC_COMPAT=y
# CONFIG_IP_NF_QUEUE is not set
CONFIG_IP_NF_IPTABLES=m
CONFIG_IP_NF_MATCH_IPRANGE=m
CONFIG_IP_NF_MATCH_TOS=m
CONFIG_IP_NF_MATCH_RECENT=m
CONFIG_IP_NF_MATCH_ECN=m
CONFIG_IP_NF_MATCH_AH=m
CONFIG_IP_NF_MATCH_TTL=m
CONFIG_IP_NF_MATCH_OWNER=m
CONFIG_IP_NF_MATCH_ADDRTYPE=m
CONFIG_IP_NF_FILTER=m
CONFIG_IP_NF_TARGET_REJECT=m
CONFIG_IP_NF_TARGET_LOG=m
CONFIG_IP_NF_TARGET_ULOG=m
CONFIG_NF_NAT=m
CONFIG_NF_NAT_NEEDED=y
CONFIG_IP_NF_TARGET_MASQUERADE=m
CONFIG_IP_NF_TARGET_REDIRECT=m
CONFIG_IP_NF_TARGET_NETMAP=m
CONFIG_IP_NF_TARGET_SAME=m
CONFIG_NF_NAT_SNMP_BASIC=m
CONFIG_NF_NAT_PROTO_GRE=m
CONFIG_NF_NAT_FTP=m
CONFIG_NF_NAT_IRC=m
CONFIG_NF_NAT_TFTP=m
CONFIG_NF_NAT_AMANDA=m
CONFIG_NF_NAT_PPTP=m
CONFIG_NF_NAT_H323=m
CONFIG_NF_NAT_SIP=m
CONFIG_IP_NF_MANGLE=m
```

```
CONFIG_IP_NF_TARGET_TOS=m
CONFIG_IP_NF_TARGET_ECN=m
CONFIG_IP_NF_TARGET_TTL=m
CONFIG_IP_NF_TARGET_CLUSTERIP=m
CONFIG_IP_NF_RAW=m
CONFIG_IP_NF_ARPTABLES=m
CONFIG_IP_NF_ARPFILTER=m
CONFIG_IP_NF_ARP_MANGLE=m
# CONFIG_IP_DCCP is not set
# CONFIG_IP_SCTP is not set
# 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
CONFIG_NET_SCH_FIFO=y
CONFIG_NET_CLS_ROUTE=y

#
# Network testing
#
# CONFIG_NET_PKTGEN is not set
# CONFIG_HAMRADIO is not set
# CONFIG_IRDA is not set
# CONFIG_BT is not set
# CONFIG_AF_RXRPC is not set

#
# Wireless
#
CONFIG_CFG80211=y
CONFIG_WIRELESS_EXT=y
CONFIG_MAC80211=y
# CONFIG_MAC80211_DEBUG is not set
# CONFIG_IEEE80211 is not set
# CONFIG_RFKILL is not set

#
# Device Drivers
```

```
#  
  
#  
# Generic Driver Options  
#  
# CONFIG_STANDALONE is not set  
CONFIG_PREVENT_FIRMWARE_BUILD=y  
CONFIG_FW_LOADER=m  
# CONFIG_SYS_HYPERVISOR is not set  
  
#  
# Connector – unified userspace <-> kernelspace linker  
#  
# CONFIG_CONNECTOR is not set  
# CONFIG_MTD is not set  
  
#  
# Parallel port support  
#  
# CONFIG_PARPORT is not set  
  
#  
# Plug and Play support  
#  
CONFIG_PNP=y  
# CONFIG_PNP_DEBUG is not set  
  
#  
# Protocols  
#  
CONFIG_PNPACPI=y  
  
#  
# Block devices  
#  
CONFIG_BLK_DEV_FD=m  
# 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=m  
CONFIG_BLK_DEV_CRYPTOLOOP=m  
# 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 is not set  
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_PHANTOM is not set
# CONFIG_SGI_IOC4 is not set
# CONFIG_TIFM_CORE is not set
# CONFIG_SONY_LAPTOP is not set
# CONFIG_THINKPAD_ACPI is not set
# CONFIG_IDE is not set

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

#
# 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=y
CONFIG_BLK_DEV_SR_VENDOR=y
# 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
# CONFIG_SCSI_CONSTANTS is not set
# CONFIG_SCSI_LOGGING is not set
# CONFIG_SCSI_SCAN_ASYNC is not set
CONFIG_SCSI_WAIT_SCAN=m

#
# 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_ACARD 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_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_EATA is not set
# CONFIG_SCSI_FUTURE_DOMAIN is not set
# CONFIG_SCSI_GDTH is not set
# CONFIG_SCSI_IPS is not set
# CONFIG_SCSI_INITIO is not set
# CONFIG_SCSI_INIA100 is not set
# CONFIG_SCSI_STEX is not set
# CONFIG_SCSI_SYM53C8XX_2 is not set
# CONFIG_SCSI_IPR 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_DC395x is not set
# CONFIG_SCSI_DC390T is not set
# CONFIG_SCSI_NS32 is not set
# CONFIG_SCSI_DEBUG is not set
# CONFIG_SCSI_SRP 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
CONFIG_ATA=y
# CONFIG_ATA_NONSTANDARD is not set
CONFIG_ATA_ACPI=y
# CONFIG_SATA_AHCI is not set
```

```
# CONFIG_SATA_SVW is not set
CONFIG_ATA_PIIY=y
# CONFIG_SATA_MV is not set
# CONFIG_SATA_NV is not set
# CONFIG_PDC_ADMA is not set
# CONFIG_SATA_QSTOR is not set
# CONFIG_SATA_PROMISE is not set
# CONFIG_SATA_SX4 is not set
# CONFIG_SATA_SIL is not set
# CONFIG_SATA_SIL24 is not set
# CONFIG_SATA_SIS is not set
# CONFIG_SATA_ULI is not set
# CONFIG_SATA_VIA is not set
# CONFIG_SATA_VITESSE is not set
# CONFIG_SATA_INIC162X is not set
# CONFIG_PATA_ALI is not set
# CONFIG_PATA_AMD is not set
# CONFIG_PATA_ARTOP is not set
# CONFIG_PATA_ATIIXP is not set
# CONFIG_PATA_CMD640_PCI is not set
# CONFIG_PATA_CMD64X is not set
# CONFIG_PATA_CS5520 is not set
# CONFIG_PATA_CS5530 is not set
# CONFIG_PATA_CS5535 is not set
# CONFIG_PATA_CYPRESS is not set
# CONFIG_PATA_EFAR is not set
# CONFIG_ATA_GENERIC is not set
# CONFIG_PATA_HPT366 is not set
# CONFIG_PATA_HPT37X is not set
# CONFIG_PATA_HPT3X2N is not set
# CONFIG_PATA_HPT3X3 is not set
# CONFIG_PATA_IT821X is not set
# CONFIG_PATA_IT8213 is not set
# CONFIG_PATA_JMICRON is not set
# CONFIG_PATA_TRIFLEX is not set
# CONFIG_PATA_MARVELL is not set
# CONFIG_PATA_MPIIX is not set
# CONFIG_PATA_OLDPIIX is not set
# CONFIG_PATA_NETCELL is not set
# CONFIG_PATA_NS87410 is not set
# CONFIG_PATA_OPTI is not set
# CONFIG_PATA_OPTIDMA is not set
# CONFIG_PATA_PCPCIA is not set
# CONFIG_PATA_PDC_OLD is not set
# CONFIG_PATA_RADISYS is not set
# CONFIG_PATA_RZ1000 is not set
# CONFIG_PATA_SC1200 is not set
# CONFIG_PATA_SERVERWORKS is not set
# CONFIG_PATA_PDC2027X is not set
# CONFIG_PATA_SIL680 is not set
# CONFIG_PATA_SIS is not set
```

```
# CONFIG_PATA_VIA is not set
# CONFIG_PATA_WINBOND is not set

#
# Multi-device support (RAID and LVM)
#
CONFIG_MD=y
# CONFIG_BLK_DEV_MD is not set
CONFIG_BLK_DEV_DM=m
# CONFIG_DM_DEBUG is not set
CONFIG_DM_CRYPT=m
# CONFIG_DM_SNAPSHOT is not set
# CONFIG_DM_MIRROR is not set
# CONFIG_DM_ZERO is not set
# CONFIG_DM_MULTIPATH is not set
# CONFIG_DM_DELAY 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
#
CONFIG_FIREWIRE=m
CONFIG_FIREWIRE_OHCI=m
CONFIG_FIREWIRE_SBP2=m
# CONFIG_IEEE1394 is not set

#
# I2O device support
#
# CONFIG_I2O is not set
# CONFIG_MACINTOSH_DRIVERS 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=m
# CONFIG_NET_SB1000 is not set
# CONFIG_ARCNET is not set
# 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=y
CONFIG_VORTEX=y
# CONFIG_TYPHOON is not set

#
# Tulip family network device support
#
# CONFIG_NET_TULIP is not set
# CONFIG_HP100 is not set
# CONFIG_NET_PCI is not set
# CONFIG_NETDEV_1000 is not set
# CONFIG_NETDEV_10000 is not set
# CONFIG_TR is not set

#
# Wireless LAN
#
# CONFIG_WLAN_PRE80211 is not set
# CONFIG_WLAN_80211 is not set

#
# USB Network Adapters
#
# CONFIG_USB_CATC is not set
# CONFIG_USB_KAWETH is not set
# CONFIG_USB_PEGASUS is not set
# CONFIG_USB_RTL8150 is not set
# CONFIG_USB_USBNET_MII is not set
# CONFIG_USB_USBNET is not set
CONFIG_NET_PCMCIA=y
CONFIG_PCMCIA_3C589=m
CONFIG_PCMCIA_3C574=m
CONFIG_PCMCIA_FMVJ18X=m
CONFIG_PCMCIA_PCNET=m
CONFIG_PCMCIA_NMCLAN=m
CONFIG_PCMCIA_SMC91C92=m
CONFIG_PCMCIA_XIRC2PS=m
CONFIG_PCMCIA_AXNET=m
# CONFIG_WAN is not set
# CONFIG_FDDI is not set
# CONFIG_HIPPI 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
# CONFIG_INPUT_POLLDEV is not set

#
# Userland interfaces
#
CONFIG_INPUT_MOUSEDEV=y
# CONFIG_INPUT_MOUSEDEV_PSAUX is not set
CONFIG_INPUT_MOUSEDEV_SCREEN_X=1024
CONFIG_INPUT_MOUSEDEV_SCREEN_Y=768
# CONFIG_INPUT_JOYDEV is not set
# CONFIG_INPUT_TSDEV is not set
# CONFIG_INPUT_EVDEV is not set
# 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_PS2_ALPS=y
CONFIG_MOUSE_PS2_LOGIPS2PP=y
CONFIG_MOUSE_PS2_SYNAPTICS=y
CONFIG_MOUSE_PS2_LIFEBOOK=y
```

```
CONFIG_MOUSE_PS2_TRACKPOINT=y
# CONFIG_MOUSE_PS2_TOUCHKIT is not set
# CONFIG_MOUSE_SERIAL is not set
# CONFIG_MOUSE_APPLETOUCH is not set
# CONFIG_MOUSE_VSXXXAA is not set
# CONFIG_INPUT_JOYSTICK is not set
# CONFIG_INPUT_TABLET is not set
# CONFIG_INPUT_TOUCHSCREEN is not set
CONFIG_INPUT_MISC=y
CONFIG_INPUT_PCSPKR=y
# CONFIG_INPUT_WISTRON_BTNS is not set
# CONFIG_INPUT_ATLAS_BTNS is not set
# CONFIG_INPUT_ATI_REMOTE is not set
# CONFIG_INPUT_ATI_REMOTE2 is not set
# CONFIG_INPUT_KEYSPAN_REMOTE is not set
# CONFIG_INPUT_POWERMATE is not set
# CONFIG_INPUT_YEALINK is not set
# CONFIG_INPUT_UINPUT 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_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

#
# Serial drivers
#
# CONFIG_SERIAL_8250 is not set

#
# Non-8250 serial port support
#
# CONFIG_SERIAL_JSM is not set
CONFIG_UNIX98_PTYS=y
# CONFIG_LEGACY_PTYS is not set
```

```
#
# IPMI
#
# CONFIG_IPMI_HANDLER is not set
# CONFIG_WATCHDOG is not set
# CONFIG_HW_RANDOM is not set
# CONFIG_NVRAM is not set
CONFIG_RTC=y
# CONFIG_R3964 is not set
# CONFIG_APPLICOM is not set
# CONFIG_SONYPI is not set
# CONFIG_AGP is not set
# CONFIG_DRM 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
CONFIG_DEVPORT=y
# CONFIG_I2C 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
# CONFIG_HWMON is not set

#
# Multifunction device drivers
```

```
#
# CONFIG_MFD_SM501 is not set

#
# Multimedia devices
#
# CONFIG_VIDEO_DEV is not set
# CONFIG_DVB_CORE is not set
# CONFIG_DAB is not set

#
# Graphics support
#
# CONFIG_BACKLIGHT_LCD_SUPPORT is not set

#
# Display device support
#
# CONFIG_DISPLAY_SUPPORT is not set
# CONFIG_VGASTATE is not set
CONFIG_FB=y
# CONFIG_FIRMWARE_EDID is not set
# CONFIG_FB_DDC is not set
CONFIG_FB_CFB_FILLRECT=y
CONFIG_FB_CFB_COPYAREA=y
CONFIG_FB_CFB_IMAGEBLIT=y
# CONFIG_FB_SYS_FILLRECT is not set
# CONFIG_FB_SYS_COPYAREA is not set
# CONFIG_FB_SYS_IMAGEBLIT is not set
# CONFIG_FB_SYS_FOPS is not set
CONFIG_FB_DEFERRED_IO=y
# CONFIG_FB_SVGALIB is not set
# CONFIG_FB_MACMODES is not set
# CONFIG_FB_BACKLIGHT is not set
# CONFIG_FB_MODE_HELPERS is not set
# CONFIG_FB_TILEBLITTING is not set

#
# Frame buffer hardware drivers
#
# CONFIG_FB_CIRRUS is not set
# CONFIG_FB_PM2 is not set
# CONFIG_FB_CYBER2000 is not set
# CONFIG_FB_ARC is not set
# CONFIG_FB_ASILANT is not set
# CONFIG_FB_IMSTT is not set
# CONFIG_FB_VGA16 is not set
CONFIG_FB_VESA=y
# CONFIG_FB_HECUBA is not set
# CONFIG_FB_HGA is not set
# CONFIG_FB_S1D13XXX is not set
```

```
# CONFIG_FB_NVIDIA is not set
# CONFIG_FB_RIVA is not set
# CONFIG_FB_I810 is not set
# CONFIG_FB_LE80578 is not set
# CONFIG_FB_INTEL is not set
# CONFIG_FB_MATROX is not set
# CONFIG_FB_RADEON is not set
# CONFIG_FB_ATY128 is not set
# CONFIG_FB_ATY is not set
# CONFIG_FB_S3 is not set
# CONFIG_FB_SAVAGE is not set
# CONFIG_FB_SIS is not set
# CONFIG_FB_NEOMAGIC is not set
# CONFIG_FB_KYRO is not set
# CONFIG_FB_3DFX is not set
# CONFIG_FB_VOODOO1 is not set
# CONFIG_FB_VT8623 is not set
# CONFIG_FB_CYBLA is not set
# CONFIG_FB_TRIDENT is not set
# CONFIG_FB_ARK is not set
# CONFIG_FB_PM3 is not set
# CONFIG_FB_GEODE is not set
# CONFIG_FB_VIRTUAL is not set

#
# Console display driver support
#
CONFIG_VGA_CONSOLE=y
# CONFIG_VGACON_SOFT_SCROLLBACK is not set
CONFIG_VIDEO_SELECT=y
CONFIG_DUMMY_CONSOLE=y
CONFIG_FRAMEBUFFER_CONSOLE=y
# CONFIG_FRAMEBUFFER_CONSOLE_ROTATION is not set
# CONFIG_FONTS is not set
CONFIG_FONT_8x8=y
CONFIG_FONT_8x16=y
CONFIG_LOGO=y
# CONFIG_LOGO_LINUX_MONO is not set
# CONFIG_LOGO_LINUX_VGA16 is not set
CONFIG_LOGO_LINUX_CLUT224=y

#
# Sound
#
CONFIG_SOUND=y

#
# Advanced Linux Sound Architecture
#
CONFIG_SND=y
CONFIG_SND_TIMER=y
```

```
CONFIG_SND_PCM=y
CONFIG_SND_SEQUENCER=y
# CONFIG_SND_SEQ_DUMMY is not set
CONFIG_SND_OSSEMUL=y
CONFIG_SND_MIXER_OSS=y
CONFIG_SND_PCM_OSS=y
CONFIG_SND_PCM_OSS_PLUGINS=y
CONFIG_SND_SEQUENCER_OSS=y
CONFIG_SND_RTCTIMER=y
CONFIG_SND_SEQ_RTCTIMER_DEFAULT=y
# CONFIG_SND_DYNAMIC_MINORS is not set
# CONFIG_SND_SUPPORT_OLD_API is not set
# CONFIG_SND_VERBOSE_PROCFS is not set
# CONFIG_SND_VERBOSE_PRINTK is not set
# CONFIG_SND_DEBUG is not set

#
# Generic devices
#
CONFIG_SND_AC97_CODEC=y
# CONFIG_SND_DUMMY is not set
# CONFIG_SND_VIRMIDI is not set
# CONFIG_SND_MTPAV is not set
# CONFIG_SND_SERIAL_U16550 is not set
# CONFIG_SND_MPU401 is not set

#
# PCI devices
#
# CONFIG_SND_AD1889 is not set
# CONFIG_SND_ALS300 is not set
# CONFIG_SND_ALS4000 is not set
# CONFIG_SND_ALI5451 is not set
# CONFIG_SND_ATIIXP is not set
# CONFIG_SND_ATIIXP_MODEM is not set
# CONFIG_SND_AU8810 is not set
# CONFIG_SND_AU8820 is not set
# CONFIG_SND_AU8830 is not set
# CONFIG_SND_AZT3328 is not set
# CONFIG_SND_BT87X is not set
# CONFIG_SND_CA0106 is not set
# CONFIG_SND_CMIPCI is not set
# CONFIG_SND_CS4281 is not set
# CONFIG_SND_CS46XX is not set
# CONFIG_SND_CS5535AUDIO is not set
# CONFIG_SND_DARLA20 is not set
# CONFIG_SND_GINA20 is not set
# CONFIG_SND_LAYLA20 is not set
# CONFIG_SND_DARLA24 is not set
# CONFIG_SND_GINA24 is not set
# CONFIG_SND_LAYLA24 is not set
```

```
# CONFIG_SND_MONA is not set
# CONFIG_SND_MIA is not set
# CONFIG_SND_ECHO3G is not set
# CONFIG_SND_INDIGO is not set
# CONFIG_SND_INDIGOIO is not set
# CONFIG_SND_INDIGODJ is not set
# CONFIG_SND_EMU10K1 is not set
# CONFIG_SND_EMU10K1X is not set
# CONFIG_SND_ENS1370 is not set
# CONFIG_SND_ENS1371 is not set
# CONFIG_SND_ES1938 is not set
# CONFIG_SND_ES1968 is not set
# CONFIG_SND_FM801 is not set
# CONFIG_SND_HDA_INTEL is not set
# CONFIG_SND_HDSP is not set
# CONFIG_SND_HDSPM is not set
# CONFIG_SND_ICE1712 is not set
# CONFIG_SND_ICE1724 is not set
CONFIG_SND_INTEL8X0=y
# CONFIG_SND_INTEL8X0M is not set
# CONFIG_SND_KORG1212 is not set
# CONFIG_SND_MAESTRO3 is not set
# CONFIG_SND_MIXART is not set
# CONFIG_SND_NM256 is not set
# CONFIG_SND_PCXHR is not set
# CONFIG_SND_RIPTIDE is not set
# CONFIG_SND_RME32 is not set
# CONFIG_SND_RME96 is not set
# CONFIG_SND_RME9652 is not set
# CONFIG_SND_SONICVIBES is not set
# CONFIG_SND_TRIDENT is not set
# CONFIG_SND_VIA82XX is not set
# CONFIG_SND_VIA82XX_MODEM is not set
# CONFIG_SND_VX222 is not set
# CONFIG_SND_YMFPCI is not set
# CONFIG_SND_AC97_POWER_SAVE is not set
```

```
#
# USB devices
#
# CONFIG_SND_USB_AUDIO is not set
# CONFIG_SND_USB_USX2Y is not set
# CONFIG_SND_USB_CAIAQ is not set
```

```
#
# PCMCIA devices
#
# CONFIG_SND_VXPOCKET is not set
# CONFIG_SND_PDAUDIOCF is not set
```

```
#
```

```
# System on Chip audio support
#
# CONFIG_SND_SOC is not set

#
# Open Sound System
#
# CONFIG_SOUND_PRIME is not set
CONFIG_AC97_BUS=y

#
# HID Devices
#
CONFIG_HID=y
# CONFIG_HID_DEBUG is not set

#
# USB Input Devices
#
CONFIG_USB_HID=m
# CONFIG_USB_HIDINPUT_POWERBOOK is not set
# CONFIG_HID_FF is not set
# CONFIG_USB_HIDDEV is not set

#
# USB HID Boot Protocol drivers
#
# CONFIG_USB_KBD is not set
# CONFIG_USB_MOUSE is not set

#
# USB support
#
CONFIG_USB_ARCH_HAS_HCD=y
CONFIG_USB_ARCH_HAS_OHCI=y
CONFIG_USB_ARCH_HAS_EHCI=y
CONFIG_USB=m
# CONFIG_USB_DEBUG is not set

#
# Miscellaneous USB options
#
CONFIG_USB_DEVICEFS=y
# CONFIG_USB_DEVICE_CLASS is not set
# CONFIG_USB_DYNAMIC_MINORS is not set
# CONFIG_USB_SUSPEND is not set
# CONFIG_USB_OTG is not set

#
# USB Host Controller Drivers
#
```

```
CONFIG_USB_EHCI_HCD=m
# CONFIG_USB_EHCI_SPLIT_ISO is not set
CONFIG_USB_EHCI_ROOT_HUB_TT=y
# CONFIG_USB_EHCI_TT_NEWSCHED is not set
# CONFIG_USB_EHCI_BIG_ENDIAN_MMIO is not set
# CONFIG_USB_ISP116X_HCD is not set
CONFIG_USB_OHCI_HCD=m
# CONFIG_USB_OHCI_BIG_ENDIAN_DESC is not set
# CONFIG_USB_OHCI_BIG_ENDIAN_MMIO is not set
CONFIG_USB_OHCI_LITTLE_ENDIAN=y
CONFIG_USB_UHCI_HCD=m
# CONFIG_USB_SL811_HCD is not set

#
# USB Device Class drivers
#
# CONFIG_USB_ACM is not set
# CONFIG_USB_PRINTER is not set

#
# NOTE: USB_STORAGE enables SCSI, and 'SCSI disk support'
#

#
# may also be needed; see USB_STORAGE Help for more information
#
CONFIG_USB_STORAGE=m
# CONFIG_USB_STORAGE_DEBUG is not set
# CONFIG_USB_STORAGE_DATAFAB is not set
# CONFIG_USB_STORAGE_FREECOM is not set
# CONFIG_USB_STORAGE_DPCM is not set
# CONFIG_USB_STORAGE_USBAT is not set
# CONFIG_USB_STORAGE_SDDR09 is not set
# CONFIG_USB_STORAGE_SDDR55 is not set
# CONFIG_USB_STORAGE_JUMPHOT is not set
# CONFIG_USB_STORAGE_ALAUDA is not set
# CONFIG_USB_STORAGE_KARMA is not set
# CONFIG_USB_LIBUSUAL is not set

#
# USB Imaging devices
#
# CONFIG_USB_MDC800 is not set
# CONFIG_USB_MICROTEK is not set
# CONFIG_USB_MON is not set

#
# USB port drivers
#

#
```

```
# USB Serial Converter support
#
CONFIG_USB_SERIAL=m
CONFIG_USB_SERIAL_GENERIC=y
# CONFIG_USB_SERIAL_AIRCABLE is not set
# CONFIG_USB_SERIAL_AIRPRIME is not set
# CONFIG_USB_SERIAL_ARK3116 is not set
# CONFIG_USB_SERIAL_BELKIN is not set
# CONFIG_USB_SERIAL_WHITEHEAT is not set
# CONFIG_USB_SERIAL_DIGI_ACCELEPORT is not set
# CONFIG_USB_SERIAL_CP2101 is not set
# CONFIG_USB_SERIAL_CYPRESS_M8 is not set
# CONFIG_USB_SERIAL_EMPEG is not set
# CONFIG_USB_SERIAL_FTDI_SIO is not set
# CONFIG_USB_SERIAL_FUNSOFT is not set
# CONFIG_USB_SERIAL_VISOR is not set
# CONFIG_USB_SERIAL_IPAQ is not set
# CONFIG_USB_SERIAL_IR is not set
# CONFIG_USB_SERIAL_EDGEPORT is not set
# CONFIG_USB_SERIAL_EDGEPORT_TI is not set
# CONFIG_USB_SERIAL_GARMIN is not set
# CONFIG_USB_SERIAL_IPW is not set
# CONFIG_USB_SERIAL_KEYSPAN_PDA is not set
# CONFIG_USB_SERIAL_KEYSPAN is not set
# CONFIG_USB_SERIAL_KLSI is not set
# CONFIG_USB_SERIAL_KOBIL_SCT is not set
# CONFIG_USB_SERIAL_MCT_U232 is not set
# CONFIG_USB_SERIAL_MOS7720 is not set
# CONFIG_USB_SERIAL_MOS7840 is not set
# CONFIG_USB_SERIAL_NAVMAN is not set
CONFIG_USB_SERIAL_PL2303=m
# CONFIG_USB_SERIAL_HP4X is not set
# CONFIG_USB_SERIAL_SAFE is not set
# CONFIG_USB_SERIAL_SIERRAWIRELESS is not set
# CONFIG_USB_SERIAL_TI is not set
# CONFIG_USB_SERIAL_CYBERJACK is not set
# CONFIG_USB_SERIAL_XIRCOM is not set
# CONFIG_USB_SERIAL_OPTION is not set
# CONFIG_USB_SERIAL_OMNINET is not set
# CONFIG_USB_SERIAL_DEBUG is not set

#
# USB Miscellaneous drivers
#
# CONFIG_USB_EMI62 is not set
# CONFIG_USB_EMI26 is not set
# CONFIG_USB_ADUTUX is not set
# CONFIG_USB_AUERSWALD is not set
# CONFIG_USB_RIO500 is not set
# CONFIG_USB_LEGOTOWER is not set
# CONFIG_USB_LCD is not set
```

```
# CONFIG_USB_BERRY_CHARGE is not set
# CONFIG_USB_LED is not set
# CONFIG_USB_CYPRESS_CY7C63 is not set
# CONFIG_USB_CYTHERM is not set
# CONFIG_USB_PHIDGET is not set
# CONFIG_USB_IDMOUSE is not set
# CONFIG_USB_FTDI_ELAN is not set
# CONFIG_USB_APPLEDISPLAY is not set
# CONFIG_USB_SISUSBVGA is not set
# CONFIG_USB_LD is not set
# CONFIG_USB_TRANCEVIBRATOR is not set
# CONFIG_USB_IOWARRIOR is not set
# CONFIG_USB_TEST is not set

#
# USB DSL modem support
#

#
# USB Gadget Support
#
# CONFIG_USB_GADGET is not set
# CONFIG_MMC is not set

#
# LED devices
#
# CONFIG_NEW_LEDS is not set

#
# LED drivers
#

#
# LED Triggers
#

#
# InfiniBand support
#
# CONFIG_INFINIBAND is not set

#
# EDAC – error detection and reporting (RAS) (EXPERIMENTAL)
#
# CONFIG_EDAC is not set

#
# Real Time Clock
#
# CONFIG_RTC_CLASS is not set
```

```
#
# DMA Engine support
#
# CONFIG_DMA_ENGINE is not set

#
# DMA Clients
#

#
# DMA Devices
#

#
# Virtualization
#
# CONFIG_KVM is not set

#
# File systems
#
# CONFIG_EXT2_FS is not set
CONFIG_EXT3_FS=y
# CONFIG_EXT3_FS_XATTR is not set
# CONFIG_EXT4DEV_FS is not set
CONFIG_JBD=y
# CONFIG_JBD_DEBUG is not set
# CONFIG_REISERFS_FS is not set
# CONFIG_JFS_FS is not set
CONFIG_FS_POSIX_ACL=y
CONFIG_XFS_FS=y
# CONFIG_XFS_QUOTA is not set
# CONFIG_XFS_SECURITY is not set
# CONFIG_XFS_POSIX_ACL is not set
# CONFIG_XFS_RT is not set
# CONFIG_GFS2_FS is not set
# CONFIG_OCFS2_FS is not set
# CONFIG_MINIX_FS is not set
# CONFIG_ROMFS_FS is not set
CONFIG_INOTIFY=y
CONFIG_INOTIFY_USER=y
# CONFIG_QUOTA is not set
CONFIG_DNOTIFY=y
# CONFIG_AUTOFS_FS is not set
# CONFIG_AUTOFS4_FS is not set
CONFIG_FUSE_FS=m

#
# CD-ROM/DVD Filesystems
#
```

```
CONFIG_ISO9660_FS=m
CONFIG_JOLIET=y
CONFIG_ZISOFS=y
CONFIG_UDF_FS=m
CONFIG_UDF_NLS=y

#
# DOS/FAT/NT Filesystems
#
CONFIG_FAT_FS=m
CONFIG_MSDOS_FS=m
CONFIG_VFAT_FS=m
CONFIG_FAT_DEFAULT_CODEPAGE=850
CONFIG_FAT_DEFAULT_IOCHARSET="iso8859-1"
# CONFIG_NTFS_FS is not set

#
# Pseudo filesystems
#
CONFIG_PROC_FS=y
CONFIG_PROC_KCORE=y
CONFIG_PROC_SYSCTL=y
CONFIG_SYSFS=y
CONFIG_TMPFS=y
# CONFIG_TMPFS_POSIX_ACL is not set
# CONFIG_HUGETLBFS is not set
# CONFIG_HUGETLB_PAGE is not set
CONFIG_RAMFS=y
# CONFIG_CONFIGFS_FS is not set

#
# Miscellaneous filesystems
#
# CONFIG_ADFS_FS is not set
# CONFIG_AFFS_FS is not set
# CONFIG_HFS_FS is not set
# CONFIG_HFSPLUS_FS is not set
# CONFIG_BEFS_FS is not set
# CONFIG_BFS_FS is not set
# CONFIG_EFS_FS is not set
# CONFIG_CRAMFS is not set
# CONFIG_VXFS_FS is not set
# CONFIG_HPFS_FS is not set
# CONFIG_QNX4FS_FS is not set
# CONFIG_SYSV_FS is not set
# CONFIG_UFS_FS is not set

#
# Network File Systems
#
CONFIG_NFS_FS=m
```

```
CONFIG_NFS_V3=y
# CONFIG_NFS_V3_ACL is not set
CONFIG_NFS_V4=y
# CONFIG_NFS_DIRECTIO is not set
CONFIG_NFSD=m
CONFIG_NFSD_V3=y
# CONFIG_NFSD_V3_ACL is not set
CONFIG_NFSD_V4=y
CONFIG_NFSD_TCP=y
CONFIG_LOCKD=m
CONFIG_LOCKD_V4=y
CONFIG_EXPORTFS=m
CONFIG_NFS_COMMON=y
CONFIG_SUNRPC=m
CONFIG_SUNRPC_GSS=m
# CONFIG_SUNRPC_BIND34 is not set
CONFIG_RPCSEC_GSS_KRB5=m
# CONFIG_RPCSEC_GSS_SPKM3 is not set
# CONFIG_SMB_FS is not set
CONFIG_CIFS=m
CONFIG_CIFS_STATS=y
# CONFIG_CIFS_STATS2 is not set
# CONFIG_CIFS_WEAK_PW_HASH is not set
# CONFIG_CIFS_XATTR is not set
# CONFIG_CIFS_DEBUG2 is not set
# CONFIG_CIFS_EXPERIMENTAL is not set
# CONFIG_NCP_FS is not set
# CONFIG_CODA_FS is not set
# CONFIG_AFS_FS is not set
# CONFIG_9P_FS is not set

#
# Partition Types
#
# CONFIG_PARTITION_ADVANCED is not set
CONFIG_MSDOS_PARTITION=y

#
# Native Language Support
#
CONFIG_NLS=m
CONFIG_NLS_DEFAULT="iso8859-15"
# CONFIG_NLS_CODEPAGE_437 is not set
# CONFIG_NLS_CODEPAGE_737 is not set
# CONFIG_NLS_CODEPAGE_775 is not set
CONFIG_NLS_CODEPAGE_850=m
# CONFIG_NLS_CODEPAGE_852 is not set
# CONFIG_NLS_CODEPAGE_855 is not set
# CONFIG_NLS_CODEPAGE_857 is not set
# CONFIG_NLS_CODEPAGE_860 is not set
# CONFIG_NLS_CODEPAGE_861 is not set
```

```
# CONFIG_NLS_CODEPAGE_862 is not set
# CONFIG_NLS_CODEPAGE_863 is not set
# CONFIG_NLS_CODEPAGE_864 is not set
# CONFIG_NLS_CODEPAGE_865 is not set
# CONFIG_NLS_CODEPAGE_866 is not set
# CONFIG_NLS_CODEPAGE_869 is not set
# CONFIG_NLS_CODEPAGE_936 is not set
# CONFIG_NLS_CODEPAGE_950 is not set
# CONFIG_NLS_CODEPAGE_932 is not set
# CONFIG_NLS_CODEPAGE_949 is not set
# CONFIG_NLS_CODEPAGE_874 is not set
# CONFIG_NLS_ISO8859_8 is not set
# CONFIG_NLS_CODEPAGE_1250 is not set
# CONFIG_NLS_CODEPAGE_1251 is not set
# CONFIG_NLS_ASCII is not set
CONFIG_NLS_ISO8859_1=m
# CONFIG_NLS_ISO8859_2 is not set
# CONFIG_NLS_ISO8859_3 is not set
# CONFIG_NLS_ISO8859_4 is not set
# CONFIG_NLS_ISO8859_5 is not set
# CONFIG_NLS_ISO8859_6 is not set
# CONFIG_NLS_ISO8859_7 is not set
# CONFIG_NLS_ISO8859_9 is not set
# CONFIG_NLS_ISO8859_13 is not set
# CONFIG_NLS_ISO8859_14 is not set
CONFIG_NLS_ISO8859_15=m
# CONFIG_NLS_KOI8_R is not set
# CONFIG_NLS_KOI8_U is not set
CONFIG_NLS_UTF8=m

#
# Distributed Lock Manager
#
# CONFIG_DLM is not set

#
# Instrumentation Support
#
# CONFIG_PROFILING is not set
# CONFIG_KPROBES is not set

#
# Kernel hacking
#
CONFIG_TRACE_IRQFLAGS_SUPPORT=y
# CONFIG_PRINTK_TIME is not set
# CONFIG_ENABLE_MUST_CHECK is not set
# CONFIG_MAGIC_SYSRQ is not set
CONFIG_UNUSED_SYMBOLS=y
# CONFIG_DEBUG_FS is not set
# CONFIG_HEADERS_CHECK is not set
```

```
# CONFIG_DEBUG_KERNEL is not set
CONFIG_DEBUG_BUGVERBOSE=y
CONFIG_EARLY_PRINTK=y
CONFIG_X86_FIND_SMP_CONFIG=y
CONFIG_X86_MPPARSE=y
CONFIG_DOUBLEFAULT=y

#
# Security options
#
# CONFIG_KEYS is not set
CONFIG_SECURITY=y
# CONFIG_SECURITY_NETWORK is not set
CONFIG_SECURITY_CAPABILITIES=y
# CONFIG_SECURITY_ROOTPLUG is not set

#
# Cryptographic options
#
CONFIG_CRYPT=y
CONFIG_CRYPTO_ALGAPI=y
CONFIG_CRYPTO_BKCRYPT=y
CONFIG_CRYPTO_HASH=m
CONFIG_CRYPTO_MANAGER=y
CONFIG_CRYPTO_HMAC=m
CONFIG_CRYPTO_XCBC=m
CONFIG_CRYPTO_NULL=m
CONFIG_CRYPTO_MD4=m
CONFIG_CRYPTO_MD5=m
CONFIG_CRYPTO_SHA1=m
CONFIG_CRYPTO_SHA256=m
CONFIG_CRYPTO_SHA512=m
CONFIG_CRYPTO_WP512=m
CONFIG_CRYPTO_TGR192=m
CONFIG_CRYPTO_GF128MUL=m
CONFIG_CRYPTO_ECB=y
CONFIG_CRYPTO_CBC=m
CONFIG_CRYPTO_PCBC=m
CONFIG_CRYPTO_LRW=m
# CONFIG_CRYPTO_CRYPTD is not set
CONFIG_CRYPTO_DES=m
CONFIG_CRYPTO_FCRYPT=m
CONFIG_CRYPTO_BLOWFISH=m
CONFIG_CRYPTO_TWOFISH=m
CONFIG_CRYPTO_TWOFISH_COMMON=m
CONFIG_CRYPTO_TWOFISH_586=m
CONFIG_CRYPTO_SERPENT=m
CONFIG_CRYPTO_AES=y
CONFIG_CRYPTO_AES_586=m
CONFIG_CRYPTO_CAST5=m
CONFIG_CRYPTO_CAST6=m
```

```
CONFIG_CRYPTOTEA=m
CONFIG_CRYPTO_ARC4=y
CONFIG_CRYPTOKHAZAD=m
CONFIG_CRYPTO_ANUBIS=m
CONFIG_CRYPTODEFLATE=m
CONFIG_CRYPTOMICHAEL_MIC=m
CONFIG_CRYPTOCRC32C=m
CONFIG_CRYPTOCAMELLIA=m
# CONFIG_CRYPTOTEST is not set

#
# Hardware crypto devices
#
# CONFIG_CRYPTODEV_PADLOCK is not set
# CONFIG_CRYPTODEV_GEODE is not set

#
# Library routines
#
CONFIG_BITREVERSE=y
# CONFIG_CRC_CCITT is not set
# CONFIG_CRC16 is not set
CONFIG_CRC_ITU_T=m
CONFIG_CRC32=y
CONFIG_LIBCRC32C=m
CONFIG_ZLIB_INFLATE=m
CONFIG_ZLIB_DEFLATE=m
CONFIG_TEXTSEARCH=y
CONFIG_TEXTSEARCH_KMP=m
CONFIG_TEXTSEARCH_BM=m
CONFIG_TEXTSEARCH_FSM=m
CONFIG_PLIST=y
CONFIG_HAS_IOMEM=y
CONFIG_HAS_IOPORT=y
CONFIG_HAS_DMA=y
CONFIG_GENERIC_HARDIRQS=y
CONFIG_GENERIC_IRQ_PROBE=y
CONFIG_X86_BIOS_REBOOT=y
CONFIG_KTIME_SCALAR=y
p: 00:03: ioport range 0x880-0x8bf has been reserved
pnp: 00:03: ioport range 0x8c0-0x8df has been reserved
pnp: 00:03: ioport range 0x8e0-0x8ff has been reserved
pnp: 00:04: ioport range 0xf000-0xf0fe has been reserved
pnp: 00:04: ioport range 0xf100-0xf1fe has been reserved
pnp: 00:04: ioport range 0xf200-0xf2fe has been reserved
pnp: 00:04: ioport range 0xf400-0xf4fe has been reserved
pnp: 00:04: ioport range 0xf500-0xf5fe has been reserved
pnp: 00:04: ioport range 0xf600-0xf6fe has been reserved
pnp: 00:04: ioport range 0xf800-0xf8fe has been reserved
pnp: 00:04: ioport range 0xf900-0xf9fe has been reserved
pnp: 00:04: iomem range 0xfa000000-0xfbffffff has been reserved
```

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pnp: 00:09: ioport range 0x900–0x91f has been reserved  
pnp: 00:09: ioport range 0x3f0–0x3f1 has been reserved  
pnp: 00:0e: ioport range 0xbf40–0xbf5f has been reserved  
pnp: 00:0f: iomem range 0xfebffc00–0xfebfffff has been reserved  
PCI: Bridge: 0000:00:01.0  
IO window: c000–cfff  
MEM window: fc000000–fdffffff  
PREFETCH window: d8000000–e7ffffff  
PCI: Bus 3, cardbus bridge: 0000:02:01.0  
IO window: 0000e000–0000e0ff  
IO window: 0000e400–0000e4ff  
PREFETCH window: 50000000–53ffffff  
MEM window: f4000000–f7ffffff  
PCI: Bus 7, cardbus bridge: 0000:02:01.1  
IO window: 0000e800–0000e8ff  
IO window: 0000fc00–0000fcff  
PREFETCH window: 54000000–57ffffff  
MEM window: 5c000000–5ffffff  
PCI: Bridge: 0000:00:1e.0  
IO window: e000–ffff  
MEM window: f4000000–fbffffff  
PREFETCH window: 50000000–59ffffff  
PCI: Setting latency timer of device 0000:00:1e.0 to 64  
PCI: Enabling device 0000:02:01.0 (0000 -> 0003)  
ACPI: PCI Interrupt Link [LNKD] enabled at IRQ 11  
PCI: setting IRQ 11 as level-triggered  
ACPI: PCI Interrupt 0000:02:01.0[A] -> Link [LNKD] -> GSI 11 (level, low) -> IRQ 11  
PCI: Enabling device 0000:02:01.1 (0000 -> 0003)  
ACPI: PCI Interrupt 0000:02:01.1[A] -> Link [LNKD] -> GSI 11 (level, low) -> IRQ 11  
NET: Registered protocol family 2  
IP route cache hash table entries: 32768 (order: 5, 131072 bytes)  
TCP established hash table entries: 131072 (order: 8, 1048576 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  
SGI XFS with no debug enabled  
io scheduler noop registered  
io scheduler cfq registered (default)  
Boot video device is 0000:01:00.0  
vesafb: framebuffer at 0xe0000000, mapped to 0xf8880000, using 5120k, total 65536k  
vesafb: mode is 1280x1024x16, linelength=2560, pages=1  
vesafb: protected mode interface info at c000:f120  
vesafb: pmi: set display start = c00cf165, set palette = c00cf1ea  
vesafb: pmi: ports = b4c3 b503 ba03 c003 c103 c403 c503 c603 c703 c803 c903 cc03 ce03 cf03 d003 d103  
d203 d303 d403 d503 da03 ff03  
vesafb: scrolling: redraw  
vesafb: Truecolor: size=0:5:6:5, shift=0:11:5:0  
Console: switching to colour frame buffer device 160x64  
fb0: VESA VGA frame buffer device

ACPI: AC Adapter [AC] (on-line)  
ACPI: Battery Slot [BAT0] (battery absent)  
ACPI: Battery Slot [BAT1] (battery present)  
input: Lid Switch as /class/input/input0  
ACPI: Lid Switch [LID]  
input: Power Button (CM) as /class/input/input1  
ACPI: Power Button (CM) [PBTN]  
input: Sleep Button (CM) as /class/input/input2  
ACPI: Sleep Button (CM) [SBTN]  
ACPI: CPU0 (power states: C1[C1] C2[C2])  
ACPI: Processor [CPU0] (supports 8 throttling states)  
ACPI: Thermal Zone [THM] (35 C)  
Real Time Clock Driver v1.12ac  
Dell laptop SMM driver v1.14 21/02/2005 Massimo Dal Zotto (dz@xxxxxxxxxx)  
ACPI: PCI Interrupt Link [LNKC] enabled at IRQ 11  
ACPI: PCI Interrupt 0000:02:00.0[A] -> Link [LNKC] -> GSI 11 (level, low) -> IRQ 11  
3c59x: Donald Becker and others.  
0000:02:00.0: 3Com PCI 3c905C Tornado at f8808c00.  
ata\_piix 0000:00:1f.1: version 2.11  
PCI: Enabling device 0000:00:1f.1 (0005 -> 0007)  
ACPI: PCI Interrupt Link [LNKA] enabled at IRQ 11  
ACPI: PCI Interrupt 0000:00:1f.1[A] -> Link [LNKA] -> GSI 11 (level, low) -> IRQ 11  
PCI: Setting latency timer of device 0000:00:1f.1 to 64  
scsi0 : ata\_piix  
scsi1 : ata\_piix  
ata1: PATA max UDMA/100 cmd 0x000101f0 ctl 0x000103f6 bmdma 0x0001bfa0 irq 14  
ata2: PATA max UDMA/100 cmd 0x00010170 ctl 0x00010376 bmdma 0x0001bfa8 irq 15  
Marking TSC unstable due to: possible TSC halt in C2.  
Time: acpi\_pm clocksource has been installed.  
ata1.00: ATA-5: IC25T060ATCS05-0, CA80A72A, max UDMA/100  
ata1.00: 117210240 sectors, multi 8: LBA  
ata1.01: ATAPI: HL-DT-STCD-RW/DVD-ROM GCC-4240N, D110, max UDMA/33  
ata1.00: configured for UDMA/100  
ata1.01: configured for UDMA/33  
scsi 0:0:0:0: Direct-Access ATA IC25T060ATCS05-0 CA80 PQ: 0 ANSI: 5  
sd 0:0:0:0: [sda] 117210240 512-byte hardware sectors (60012 MB)  
sd 0:0:0:0: [sda] Write Protect is off  
sd 0:0:0:0: [sda] Mode Sense: 00 3a 00 00  
sd 0:0:0:0: [sda] Write cache: enabled, read cache: enabled, doesn't support DPO or FUA  
sd 0:0:0:0: [sda] 117210240 512-byte hardware sectors (60012 MB)  
sd 0:0:0:0: [sda] Write Protect is off  
sd 0:0:0:0: [sda] Mode Sense: 00 3a 00 00  
sd 0:0:0:0: [sda] Write cache: enabled, read cache: enabled, doesn't support DPO or FUA  
sda: sda1 sda2 sda3 sda4 < sda5 sda6 >  
sd 0:0:0:0: [sda] Attached SCSI disk  
scsi 0:0:1:0: CD-ROM HL-DT-ST RW/DVD GCC-4240N D110 PQ: 0 ANSI: 5  
sr0: scsi3-mmc drive: 24x/24x writer cd/rw xa/form2 cdda tray  
Uniform CD-ROM driver Revision: 3.20  
sr 0:0:1:0: Attached scsi CD-ROM sr0  
PNP: PS/2 Controller [PNP0303:KBC,PNP0f13:PS2M] at 0x60,0x64 irq 1,12  
serio: i8042 KBD port at 0x60,0x64 irq 1

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serio: i8042 AUX port at 0x60,0x64 irq 12  
mouse: PS/2 mouse device common for all mice  
input: AT Translated Set 2 keyboard as /class/input/input3  
input: PC Speaker as /class/input/input4  
Advanced Linux Sound Architecture Driver Version 1.0.14 (Thu May 31 09:03:25 2007 UTC).  
ACPI: PCI Interrupt Link [LNKB] enabled at IRQ 5  
PCI: setting IRQ 5 as level-triggered  
ACPI: PCI Interrupt 0000:00:1f.5[B] -> Link [LNKB] -> GSI 5 (level, low) -> IRQ 5  
PCI: Setting latency timer of device 0000:00:1f.5 to 64  
intel8x0\_measure\_ac97\_clock: measured 50475 usecs  
intel8x0: clocking to 48000  
ALSA device list:  
#0: Intel 82801CA-ICH3 with CS4205 at irq 5  
TCP cubic registered  
NET: Registered protocol family 1  
NET: Registered protocol family 17  
Using IPI Shortcut mode  
XFS mounting filesystem sda3  
Ending clean XFS mount for filesystem: sda3  
VFS: Mounted root (xfs filesystem) readonly.  
Freeing unused kernel memory: 176k freed  
usbcore: registered new interface driver usbfs  
usbcore: registered new interface driver hub  
usbcore: registered new device driver usb  
eth0: setting half-duplex.  
Floppy drive(s): fd0 is 1.44M  
FDC 0 is a post-1991 82077  
USB Universal Host Controller Interface driver v3.0  
ACPI: PCI Interrupt 0000:00:1d.0[A] -> Link [LNKA] -> GSI 11 (level, low) -> IRQ 11  
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 11, 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.2[C] -> Link [LNKC] -> GSI 11 (level, low) -> IRQ 11  
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 2  
uhci\_hcd 0000:00:1d.2: irq 11, io base 0x0000bf20  
usb usb2: configuration #1 chosen from 1 choice  
hub 2-0:1.0: USB hub found  
hub 2-0:1.0: 2 ports detected  
Yenta: CardBus bridge found at 0000:02:01.0 [1028:00d5]  
Yenta: Using CSCINT to route CSC interrupts to PCI  
Yenta: Routing CardBus interrupts to PCI  
Yenta TI: socket 0000:02:01.0, mfunc 0x05033002, devctl 0x64  
usb 1-1: new low speed USB device using uhci\_hcd and address 2  
nvidia: module license 'NVIDIA' taints kernel.  
Yenta: ISA IRQ mask 0x0498, PCI irq 11

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Socket status: 30000006  
pcmcia: parent PCI bridge I/O window: 0xe000 – 0xffff  
pcmcia: parent PCI bridge Memory window: 0xf4000000 – 0xfbffffff  
pcmcia: parent PCI bridge Memory window: 0x50000000 – 0x59ffffff  
Yenta: CardBus bridge found at 0000:02:01.1 [1028:00d5]  
Yenta: Using CSCINT to route CSC interrupts to PCI  
usb 1-1: configuration #1 chosen from 1 choice  
Yenta: Routing CardBus interrupts to PCI  
Yenta TI: socket 0000:02:01.1, mfunc 0x05033002, devctl 0x64  
Yenta: ISA IRQ mask 0x0498, PCI irq 11  
Socket status: 30000020  
pcmcia: parent PCI bridge I/O window: 0xe000 – 0xffff  
pcmcia: parent PCI bridge Memory window: 0xf4000000 – 0xfbffffff  
pcmcia: parent PCI bridge Memory window: 0x50000000 – 0x59ffffff  
ACPI: PCI Interrupt 0000:01:00.0[A] -> Link [LNKA] -> GSI 11 (level, low) -> IRQ 11  
NVRM: loading NVIDIA Linux x86 Kernel Module 1.0-7184 Tue Aug 1 18:38:58 PDT 2006  
ACPI: PCI Interrupt 0000:02:01.2[A] -> Link [LNKD] -> GSI 11 (level, low) -> IRQ 11  
input: Logitech USB Optical Mouse as /class/input/input5  
input: USB HID v1.10 Mouse [Logitech USB Optical Mouse] on usb-0000:00:1d.0-1  
usbcore: registered new interface driver usbhid  
drivers/hid/usbhid/hid-core.c: v2.6:USB HID core driver  
firewire\_ohci: Added fw-ohci device 0000:02:01.2, OHCI version 1.0  
firewire\_core: created new fw device fw0 (0 config rom retries)  
pccard: CardBus card inserted into slot 1  
ohci\_hcd: 2006 August 04 USB 1.1 'Open' Host Controller (OHCI) Driver  
PCI: Enabling device 0000:07:00.0 (0000 -> 0002)  
ACPI: PCI Interrupt 0000:07:00.0[A] -> Link [LNKD] -> GSI 11 (level, low) -> IRQ 11  
PCI: Setting latency timer of device 0000:07:00.0 to 64  
ohci\_hcd 0000:07:00.0: OHCI Host Controller  
ohci\_hcd 0000:07:00.0: new USB bus registered, assigned bus number 3  
ohci\_hcd 0000:07:00.0: irq 11, io mem 0x5c000000  
usb usb3: configuration #1 chosen from 1 choice  
hub 3-0:1.0: USB hub found  
hub 3-0:1.0: 3 ports detected  
PCI: Enabling device 0000:07:00.1 (0000 -> 0002)  
ACPI: PCI Interrupt 0000:07:00.1[B] -> Link [LNKD] -> GSI 11 (level, low) -> IRQ 11  
PCI: Setting latency timer of device 0000:07:00.1 to 64  
ohci\_hcd 0000:07:00.1: OHCI Host Controller  
ohci\_hcd 0000:07:00.1: new USB bus registered, assigned bus number 4  
ohci\_hcd 0000:07:00.1: irq 11, io mem 0x5c001000  
usb usb4: configuration #1 chosen from 1 choice  
hub 4-0:1.0: USB hub found  
hub 4-0:1.0: 2 ports detected  
PCI: Enabling device 0000:07:00.2 (0000 -> 0002)  
ACPI: PCI Interrupt 0000:07:00.2[C] -> Link [LNKD] -> GSI 11 (level, low) -> IRQ 11  
ehci\_hcd 0000:07:00.2: EHCI Host Controller  
ehci\_hcd 0000:07:00.2: new USB bus registered, assigned bus number 5  
usb 3-2: new full speed USB device using ohci\_hcd and address 2  
ehci\_hcd 0000:07:00.2: irq 11, io mem 0x5c002000  
ehci\_hcd 0000:07:00.2: USB 2.0 started, EHCI 1.00, driver 10 Dec 2004  
usb usb5: configuration #1 chosen from 1 choice

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hub 5-0:1.0: USB hub found  
hub 5-0:1.0: 5 ports detected  
usb 5-3: new high speed USB device using ehci\_hcd and address 2  
fuse init (API version 7.8)  
Adding 979924k swap on /dev/sda6. Priority:-1 extents:1 across:979924k  
usb 5-3: configuration #1 chosen from 1 choice  
device-mapper: ioctl: 4.11.0-ioctl (2006-10-12) initialised: dm-devel@xxxxxxxxxxx  
kjournald starting. Commit interval 5 seconds  
EXT3 FS on sda2, internal journal  
EXT3-fs: mounted filesystem with ordered data mode.  
Clocksource tsc unstable (delta = -140889402 ns)  
ieee80211\_crypt: registered algorithm 'NULL'

Linux kernel driver for RTL8187 based WLAN cards  
Copyright (c) 2004-2005, Andrea Merello  
rtl8187: Initializing module  
rtl8187: Wireless extensions version 22  
rtl8187: Initializing proc filesystem  
rtl8187: Enabling 14 channels.  
rtl8187: MAC chip version: 04  
rtl8187: Card type: AD  
rtl8187: Reported EEPROM chip is a 93c46 (1Kbit)  
rtl8187: Card MAC address is 00:0e:2e:c6:07:53  
rtl8187: RF Chip ID: 05  
rtl8187: Card reports RF frontend Realtek 8225  
rtl8187: WW:This driver has EXPERIMENTAL support for this chipset.  
rtl8187: WW:use it with care and at your own risk and  
rtl8187: WW:\*\*PLEASE\*\* REPORT SUCCESS/INSUCCESS TO andreamrl@xxxxxxxxxxx  
rtl8187: This seems a new V2 radio  
rtl8187: PAPE from CONFIG2: 0  
rtl8187: Driver probe completed

usbcore: registered new interface driver rtl8187  
ieee80211\_crypt: registered algorithm 'CCMP'  
ieee80211\_crypt: registered algorithm 'TKIP'  
rtl8187: Card successfully reset  
rtl8187: RR:84 BRSR: a1ff  
enabling WPA  
GOT WX GET SCAN WX\_SEM LOCKGOT WX GET SCAN WX\_SEM LOCKenabling WPA  
Linking with "zipfy" rate: 11 MBit  
Linking with "zipfy" rate: 11 MBit  
Associated successfully  
Using 11 MBit  
GOT WX GET SCAN WX\_SEM LOCKenabling WPA  
Linking with "zipfy" rate: 11 MBit  
Linking with "zipfy" rate: 11 MBit  
Associated successfully  
Using 11 MBit  
TKIP: replay detected: STA=00:17:9a:61:01:9d previous TSC 000000000000 received TSC 000000000000  
rtl8187: RX process aborted due to explicit shutdown  
rtl8187: RX process aborted due to explicit shutdown

[BUG] timer.h

```
rtl8187: RX process aborted due to explicit shutdown
rtl8187: Card successfully reset
rtl8187: RR:84 BRSR: f1ff
Linking with "zipfy" rate: 11 MBit
enabling WPA
Associated successfully
Using 11 MBit
GOT WX GET SCAN WX_SEM LOCK<7>TKIP: replay detected: STA=00:17:9a:61:01:9d previous TSC
000000000000 received TSC 000000000000
rtl8187: RX process aborted due to explicit shutdown
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Linking with "zipfy" rate: 11 MBit
GOT WX GET SCAN WX_SEM LOCKenabling WPA
Linking with "zipfy" rate: 11 MBit
Linking with "zipfy" rate: 11 MBit
-----[ cut here ]-----
kernel BUG at include/linux/timer.h:153!
invalid opcode: 0000 [#1]
PREEMPT
Modules linked in: michael_mic ieee80211_crypt_tkip_rtl ieee80211_crypt_ccmp_rtl r8187 ieee80211_rtl
ieee80211_crypt_rtl speedstep_ich speedstep_lib dm_crypt dm_mod fuse firewire_sbp2 ehci_hcd ohci_hcd
pcmcia firmware_class usbhid firewire_ohci firewire_core nvidia(P) yenta_socket rsrc_nonstatic pcmcia_core
crc_itu_t uhci_hcd floppy usbcore
CPU: 0
EIP: 0060:[<f8f25cf4>] Tainted: P VLI
EFLAGS: 00010286 (2.6.22 #3)
EIP is at ieee80211_associate_step1_rtl7+0x257/0x28d [ieee80211_rtl]
eax: f2be5ae8 ebx: c045be90 ecx: f2be5cf8 edx: ffffffff
esi: f2be53a0 edi: f741b380 ebp: 00000202 esp: f38a9f68
ds: 007b es: 007b fs: 0000 gs: 0000 ss: 0068
Process Ieee80211/0 (pid: 2635, ti=f38a8000 task=f38c8570 task.ti=f38a8000)
Stack: ffffffff f2e9c210 f2be5b88 f2be53a0 f1bc11c0 f8f2600c f8f2606e f2be5b8c
f2be5b88 c01276a6 001e8480 00000000 0000001d c0456198 f1bc11c8 f1bc11c0
c0127c55 00000000 c0127cf2 00000000 f38c8570 c012a784 f38a9fc0 f38a9fc0
Call Trace:
[<f8f2600c>] ieee80211_associate_procedure_wq_rtl7+0x0/0x78 [ieee80211_rtl]
[<f8f2606e>] ieee80211_associate_procedure_wq_rtl7+0x62/0x78 [ieee80211_rtl]
[<c01276a6>] run_workqueue+0x84/0x135
[<c0127c55>] worker_thread+0x0/0xfb
[<c0127cf2>] worker_thread+0x9d/0xfb
[<c012a784>] autoremove_wake_function+0x0/0x37
[<c0127c55>] worker_thread+0x0/0xfb
[<c012a4aa>] kthread+0x33/0x54
[<c012a477>] kthread+0x0/0x54
[<c010490f>] kernel_thread_helper+0x7/0x18
=====
Code: 43 c7 e9 5b ff ff ff 66 c7 86 c4 05 00 00 00 00 e9 2b ff ff ff 89 fa 89 f0 e8 b8 c3 ff ff eb c5 66 c7 86 c4
05 00 00 00 00 eb 9d <0f> 0b eb fe b9 fd 5c f2 f8 ba 1e 00 00 00 89 f8 e8 13 ca 3c c7
```

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EIP: [<f8f25cf4>] ieee80211\_associate\_step1\_rtl7+0x257/0x28d [ieee80211\_rtl] SS:ESP 0068:f38a9f68  
usb 5-3: USB disconnect, address 2  
rtl8187: EE:cannot submit RX command. URB\_STATUS fffff94