

## [BUG] 2.6.16-rc5-mm2/3 : oops on rmmmod snd-ens1371

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/Kernel/2006-03/msg02705.html>

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  - *Date:* Wed, 08 Mar 2006 23:19:20 +0100
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Hello,

I've got the following BUG when I rmmmod snd-ens1371.

BUG: unable to handle kernel paging request at virtual address 6b6b6b6b

printing eip:

c016f1d2

\*pde = 00000000

Oops: 0000 [#1]

last sysfs file: /block/hdd/removable

Modules linked in: snd\_ens1371 gameport snd\_rawmidi snd\_seq\_device snd\_ac97\_codec snd\_ac97\_bus  
snd\_pcm snd\_timer snd soundcore snd\_page\_alloc ide\_cd cdrom loop aes dm\_crypt nls\_iso8859\_1 nls\_cp850  
vfat fat reiser4 reiserfs raid1 md\_mod via\_agp agpgart video joydev ohci1394 ieee1394 usbhid uhci\_hcd  
usbcore dm\_mirror dm\_mod

CPU: 0

EIP: 0060:[<c016f1d2>] Not tainted VLI

EFLAGS: 00010286 (2.6.16-rc5-mm2 #120)

EIP is at remove\_proc\_entry+0x2e/0x150

eax: 00000000 ebx: dcb56720 ecx: ffffffff edx: dcb56720

esi: ddfdf090 edi: 6b6b6b6b ebp: dbe7fe30 esp: dbe7fe18

ds: 007b es: 007b ss: 0068

Process rmmmod (pid: 1219, threadinfo=dbe7f000 task=dbe5ba90)

Stack: <0>22222222 dcb56720 6b6b6b6b dcb56720 ddfdf090 00000001 dbe7fe38 e0c28f99

dbe7fe48 e0c294e3 dfbda8a4 c168c05c dbe7fe54 e0d95e70 dfbda8a4 dbe7fe68

e0d95e9b c168c03c c168c03c c168c104 dbe7fe74 e0d8e1d1 e0d9d5ec dbe7fe8c

Call Trace:

[<c0103a46>] show\_stack\_log\_lvl+0xa0/0xab

[<c0103b7f>] show\_registers+0x12e/0x194

[<c0103e5e>] die+0x14e/0x1db

[<c0111666>] do\_page\_fault+0x468/0x55f

[<c01034db>] error\_code+0x4f/0x54

[<e0c28f99>] snd\_remove\_proc\_entry+0x13/0x15 [snd]

[<e0c294e3>] snd\_info\_unregister+0x31/0x48 [snd]

[<e0d95e70>] snd\_pcm\_lib\_preallocate\_free+0x34/0x43 [snd\_pcm]

[<e0d95e9b>] snd\_pcm\_lib\_preallocate\_free\_for\_all+0x1c/0x30 [snd\_pcm]

[<e0d8e1d1>] snd\_pcm\_free+0x19/0x3b [snd\_pcm]

[<e0d8e9df>] snd\_pcm\_dev\_unregister+0xd3/0xd9 [snd\_pcm]

[<e0c2bbda>] snd\_device\_free+0x59/0xad [snd]

[BUG] 2.6.16-rc5-mm2/3 : oops on rmmmod snd-ens1371

```
[<e0c2bc5e>] snd_device_free_all+0x30/0x4f [snd]
[<e0c28a4e>] snd_card_free+0xc1/0x156 [snd]
[<e0d820ca>] snd_audiopci_remove+0x12/0x1f [snd_ens1371]
[<c01aafd3>] pci_device_remove+0x19/0x2c
[<c0204c51>] __device_release_driver+0x56/0x6c
[<c0204f0d>] driver_detach+0x82/0xb3
[<c02047bf>] bus_remove_driver+0x5a/0x76
[<c02051e6>] driver_unregister+0xe/0x18
[<c01aaf12>] pci_unregister_driver+0xf/0x62
[<e0d82d29>] alsacard_ens137x_exit+0xd/0x15 [snd_ens1371]
[<c012a6bc>] sys_delete_module+0x161/0x191
[<c01029bb>] sysenter_past_esp+0x54/0x75
Code: 57 56 53 83 ec 0c 85 d2 89 55 ec 89 45 f0 75 13 8d 4d f0 8d 55 ec e8 4d fe ff ff 85 c0 0f 85 22 01 00 00
8b 7d f0 31 c0 83 c9 ff <f2> ae f7 d1 49 8b 7d ec 8b 75 f0 89 4d e8 83 c7 34 e9 fa 00 00
BUG: rmmmod/1219, lock held at task exit time!
[e0c309c0] {info_mutex}
.. held by: rmmmod: 1219 [dbe5ba90, 116]
... acquired at: snd_info_unregister+0x27/0x48 [snd]
```

Scenario:

- boot to runlevel 1
- modprobe snd-ens1371
- rmmmod snd-ens1371

I'm pretty sure it appeared on 2.6.16-rc5-mm2 when I set CONFIG\_DEBUG\_SLAB=y. I mean I previously built 2.6.16-rc5-mm2 without CONFIG\_DEBUG\_SLAB and this BUG wasn't triggered. I can't remember if I changed another option when I set CONFIG\_DEBUG\_SLAB to y (I don't think so).

This BUG still exists on 2.6.16-rc5-mm3.

attached:

- config
- almost complete dmesg

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laurent

#

# Automatically generated make config: don't edit

# Linux kernel version: 2.6.16-rc5-mm2

# Tue Mar 7 00:59:31 2006

#

CONFIG\_X86\_32=y

CONFIG\_GENERIC\_TIME=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

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

#
# General setup
#
CONFIG_LOCALVERSION=""
CONFIG_LOCALVERSION_AUTO=y
CONFIG_SWAP=y
CONFIG_SWAP_PREFETCH=y
CONFIG_SYSVIPC=y
CONFIG_POSIX_QUEUE=y
# CONFIG_BSD_PROCESS_ACCT is not set
CONFIG_SYSCTL=y
# CONFIG_AUDIT is not set
# CONFIG_IKCONFIG is not set
# CONFIG_RELAY is not set
CONFIG_INITRAMFS_SOURCE=""
CONFIG_UID16=y
CONFIG_VM86=y
CONFIG_CC_OPTIMIZE_FOR_SIZE=y
CONFIG_EMBEDDED=y
CONFIG_KALLSYMS=y
# CONFIG_KALLSYMS_ALL is not set
# 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_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=y
```

```
#
# Block layer
#
# 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=y
CONFIG_IOSCHED_DEADLINE=y
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_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_MPENTIUMII is not set
# CONFIG_MPENTIUMIII is not set
# CONFIG_MPENTIUMM is not set
# CONFIG_MPENTIUM4 is not set
# CONFIG_MK6 is not set
CONFIG_MK7=y
# 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_X86_GENERIC is not set
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_USE_3DNOW=y
CONFIG_X86_TSC=y
CONFIG_HPET_TIMER=y
# CONFIG_SMP is not set
# CONFIG_PREEMPT_NONE is not set
CONFIG_PREEMPT_VOLUNTARY=y
# CONFIG_PREEMPT is not set
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=m
CONFIG_X86_MCE_P4THERMAL=y
# CONFIG_TOSHIBA is not set
# CONFIG_I8K is not set
CONFIG_X86_REBOOTFIXUPS=y
# CONFIG_MICROCODE is not set
CONFIG_X86_MSR=m
# CONFIG_X86_CPUID is not set

#
# Firmware Drivers
#
CONFIG_EDD=y
# CONFIG_DELL_RBU is not set
# CONFIG_DCDBAS is not set
CONFIG_NOHIGHMEM=y
# CONFIG_HIGHMEM4G is not set
```

```
# CONFIG_HIGHMEM64G is not set
CONFIG_VMSPLIT_3G=y
# CONFIG_VMSPLIT_3G_OPT is not set
# CONFIG_VMSPLIT_2G is not set
# CONFIG_VMSPLIT_1G is not set
CONFIG_PAGE_OFFSET=0xC0000000
CONFIG_ARCH_FLATMEM_ENABLE=y
CONFIG_ARCH_SPARSEMEM_ENABLE=y
CONFIG_ARCH_SELECT_MEMORY_MODEL=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_MATH_EMULATION is not set
CONFIG_MTRR=y
# CONFIG_EFI is not set
CONFIG_REGPARM=y
CONFIG_SECCOMP=y
# CONFIG_HZ_100 is not set
CONFIG_HZ_250=y
# CONFIG_HZ_1000 is not set
CONFIG_HZ=250
CONFIG_KEXEC=y
CONFIG_PHYSICAL_START=0x100000
CONFIG_DOUBLEFAULT=y

#
# Power management options (ACPI, APM)
#
CONFIG_PM=y
CONFIG_PM_LEGACY=y
# CONFIG_PM_DEBUG is not set
CONFIG_SOFTWARE_SUSPEND=y
CONFIG_PM_STD_PARTITION="/dev/hdb6"

#
# 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_AC=y
CONFIG_ACPI_BATTERY=y
CONFIG_ACPI_BUTTON=y
CONFIG_ACPI_VIDEO=m
CONFIG_ACPI_HOTKEY=m
```

```
CONFIG_ACPI_FAN=y
CONFIG_ACPI_PROCESSOR=y
CONFIG_ACPI_THERMAL=y
# CONFIG_ACPI_ASUS is not set
# CONFIG_ACPI_IBM is not set
# CONFIG_ACPI_TOSHIBA is not set
# CONFIG_ACPI_SONY is not set
CONFIG_ACPI_BLACKLIST_YEAR=0
CONFIG_ACPI_DEBUG=y
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_SCI_EMULATE 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_PCI_LEGACY_PROC is not set
# CONFIG_PCI_DEBUG is not set
CONFIG_ISA_DMA_API=y
CONFIG_ISA=y
# CONFIG_EISA is not set
# CONFIG_MCA is not set
# CONFIG_SCx200 is not set

#
# PCCARD (PCMCIA/CardBus) support
#
# CONFIG_PCCARD is not set
```

```
#
# PCI Hotplug Support
#
# CONFIG_HOTPLUG_PCI is not set

#
# Executable file formats
#
CONFIG_BINFMT_ELF=y
CONFIG_BINFMT_AOUT=m
CONFIG_BINFMT_MISC=m

#
# Networking
#
CONFIG_NET=y

#
# Networking options
#
# CONFIG_NETDEBUG is not set
CONFIG_PACKET=m
# CONFIG_PACKET_MMAP is not set
CONFIG_UNIX=y
CONFIG_XFRM=y
CONFIG_XFRM_USER=m
# CONFIG_NET_KEY is not set
CONFIG_INET=y
# CONFIG_IP_MULTICAST is not set
CONFIG_IP_ADVANCED_ROUTER=y
CONFIG_ASK_IP_FIB_HASH=y
# CONFIG_IP_FIB_TRIE is not set
CONFIG_IP_FIB_HASH=y
# CONFIG_IP_MULTIPLE_TABLES is not set
# CONFIG_IP_ROUTE_MULTIPATH is not set
CONFIG_IP_ROUTE_VERBOSE=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=y
CONFIG_INET_AH=m
CONFIG_INET_ESP=m
CONFIG_INET_IPCOMP=m
CONFIG_INET_TUNNEL=m
CONFIG_INET_DIAG=m
CONFIG_INET_TCP_DIAG=m
# CONFIG_TCP_CONG_ADVANCED is not set
CONFIG_TCP_CONG_BIC=y
```

```
#
# IP: Virtual Server Configuration
#
# CONFIG_IP_VS is not set
# CONFIG_IPV6 is not set
CONFIG_NETFILTER=y
# CONFIG_NETFILTER_DEBUG is not set

#
# Core Netfilter Configuration
#
# CONFIG_NETFILTER_NETLINK is not set
# CONFIG_NETFILTER_XTABLES is not set

#
# IP: Netfilter Configuration
#
CONFIG_IP_NF_CONNTRACK=m
# 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=m
CONFIG_IP_NF_IRC=m
# CONFIG_IP_NF_NETBIOS_NS is not set
CONFIG_IP_NF_TFTP=m
CONFIG_IP_NF_AMANDA=m
# CONFIG_IP_NF_PPTP is not set
CONFIG_IP_NF_QUEUE=m

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

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

#
# TIPC Configuration (EXPERIMENTAL)
#
# 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_NET_DIVERT is not set
# CONFIG_ECONET is not set
# CONFIG_WAN_ROUTER is not set

#
# QoS and/or fair queueing
#
CONFIG_NET_SCHED=y
CONFIG_NET_SCH_CLK_JIFFIES=y
# CONFIG_NET_SCH_CLK_GETTIMEOFDAY is not set
# CONFIG_NET_SCH_CLK_CPU is not set

#
# Queueing/Scheduling
#
CONFIG_NET_SCH_CBQ=m
CONFIG_NET_SCH_HTB=m
CONFIG_NET_SCH_HFSC=m
CONFIG_NET_SCH_PRIO=m
CONFIG_NET_SCH_RED=m
CONFIG_NET_SCH_SFQ=m
CONFIG_NET_SCH_TEQL=m
CONFIG_NET_SCH_TBF=m
CONFIG_NET_SCH_GRED=m
CONFIG_NET_SCH_DSMARK=m
# CONFIG_NET_SCH_NETEM is not set
CONFIG_NET_SCH_INGRESS=m

#
# Classification
#
CONFIG_NET_CLS=y
CONFIG_NET_CLS_BASIC=m
CONFIG_NET_CLS_TCINDEX=m
CONFIG_NET_CLS_ROUTE4=m
CONFIG_NET_CLS_ROUTE=y
CONFIG_NET_CLS_FW=m
CONFIG_NET_CLS_U32=m
CONFIG_CLS_U32_PERF=y
CONFIG_CLS_U32_MARK=y
CONFIG_NET_CLS_RSVP=m
# CONFIG_NET_CLS_RSVP6 is not set
# CONFIG_NET_EMATCH is not set
# CONFIG_NET_CLS_ACT is not set
CONFIG_NET_CLS_POLICE=y
# CONFIG_NET_CLS_IND is not set
CONFIG_NET_ESTIMATOR=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_IEEE80211 is not set
CONFIG_WIRELESS_EXT=y

#
# Device Drivers
#

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

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

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

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

#
# Plug and Play support
#
# CONFIG_PNP is not set

#
# Block devices
#
CONFIG_BLK_DEV_FD=m
```

```
# 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=m
# CONFIG_BLK_DEV_CRYPTOLOOP is not set
# CONFIG_BLK_DEV_NBD is not set
# CONFIG_BLK_DEV_SX8 is not set
CONFIG_BLK_DEV_UB=m
CONFIG_BLK_DEV_RAM=y
CONFIG_BLK_DEV_RAM_COUNT=16
CONFIG_BLK_DEV_RAM_SIZE=4096
CONFIG_BLK_DEV_INITRD=y
CONFIG_CDROM_PKTCDVD=m
CONFIG_CDROM_PKTCDVD_BUFFERS=8
# CONFIG_CDROM_PKTCDVD_WCACHE is not set
# CONFIG_ATA_OVER_ETH 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_IDECD=m
# CONFIG_BLK_DEV_IDETAPE is not set
# CONFIG_BLK_DEV_IDEFLOPPY is not set
CONFIG_BLK_DEV_IDESCSI=m
# CONFIG_IDE_TASK_IOCTL is not set

#
# IDE chipset support/bugfixes
#
CONFIG_IDE_GENERIC=m
# CONFIG_BLK_DEV_CMD640 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 is not set
# 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_SC1200 is not set
# CONFIG_BLK_DEV_PIIX 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=m
CONFIG_SCSI_PROC_FS=y

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

```
# CONFIG_CHR_DEV_SCH is not set

#
# Some SCSI devices (e.g. CD jukebox) support multiple LUNs
#
CONFIG_SCSI_MULTI_LUN=y
CONFIG_SCSI_CONSTANTS=y
# CONFIG_SCSI_LOGGING is not set

#
# SCSI Transports
#
CONFIG_SCSI_SPI_ATTRS=m
CONFIG_SCSI_FC_ATTRS=m
# CONFIG_SCSI_ISCSI_ATTRS is not set
# CONFIG_SCSI_SAS_ATTRS is not set
# CONFIG_SCSI_SAS_CLASS 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_DPT_I2O 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_SATA is not set
# CONFIG_SCSI_BUSLOGIC is not set
# CONFIG_SCSI_DM3191D 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_SYM53C8XX_2 is not set
# CONFIG_SCSI_IPR is not set
# CONFIG_SCSI_PAS16 is not set
# CONFIG_SCSI_PSI240I is not set
# CONFIG_SCSI_QLOGIC_FAS is not set
# CONFIG_SCSI_QLOGIC_FC is not set
# CONFIG_SCSI_QLOGIC_1280 is not set
# CONFIG_SCSI_QLA_FC 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
```

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

```
#
# Multi-device support (RAID and LVM)
#
```

```
CONFIG_MD=y
CONFIG_BLK_DEV_MD=m
CONFIG_MD_LINEAR=m
CONFIG_MD_RAID0=m
CONFIG_MD_RAID1=m
# CONFIG_MD_RAID10 is not set
# CONFIG_MD_RAID5 is not set
# CONFIG_MD_RAID6 is not set
# CONFIG_MD_MULTIPATH is not set
# CONFIG_MD_FAULTY is not set
CONFIG_BLK_DEV_DM=m
CONFIG_DM_CRYPT=m
# CONFIG_DM_SNAPSHOT is not set
CONFIG_DM_MIRROR=m
# CONFIG_DM_ZERO is not set
# CONFIG_DM_MULTIPATH 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_IEEE1394=m

#
# Subsystem Options
#
# CONFIG_IEEE1394_VERBOSEDEBUG is not set
CONFIG_IEEE1394_OUI_DB=y
# CONFIG_IEEE1394_EXTRA_CONFIG_ROMS is not set
# CONFIG_IEEE1394_EXPORT_FULL_API is not set

#
# Device Drivers
#
# CONFIG_IEEE1394_PCILYNX is not set
CONFIG_IEEE1394_OHCI1394=m

#
# Protocol Drivers
#
CONFIG_IEEE1394_VIDEO1394=m
# CONFIG_IEEE1394_SBP2 is not set
# CONFIG_IEEE1394_ETH1394 is not set
CONFIG_IEEE1394_DV1394=m
CONFIG_IEEE1394_RAWIO=m

#
# I2O device support
#
# CONFIG_I2O is not set

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

#
# 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=m
# 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
# CONFIG_ADAPTEC_STARFIRE is not set
# CONFIG_AC3200 is not set
# CONFIG_APRICOT is not set
# CONFIG_B44 is not set
# CONFIG_FORCEDETH is not set
# CONFIG_CS89x0 is not set
# CONFIG_DGRS is not set
# CONFIG_EEPRO100 is not set
# CONFIG_E100 is not set
# CONFIG_FEALNX is not set
# CONFIG_NATSEMI is not set
CONFIG_NE2K_PCI=y
# 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 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

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

#
# Token Ring devices
#
# CONFIG_TR is not set

#
# Wireless LAN (non-hamradio)
#
CONFIG_NET_RADIO=y

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

#
# Prism GT/Duette 802.11(a/b/g) PCI/Cardbus support
#
```

```
CONFIG_PRISM54=m
# CONFIG_HOSTAP is not set
# CONFIG_ACX is not set
CONFIG_NET_WIRELESS=y

#
# Wan interfaces
#
# CONFIG_WAN is not set
# CONFIG_FDDI is not set
# CONFIG_HIPPI is not set
# CONFIG_PLIP is not set
CONFIG_PPP=m
# CONFIG_PPP_MULTILINK is not set
CONFIG_PPP_FILTER=y
CONFIG_PPP_ASYNC=m
CONFIG_PPP_SYNC_TTY=m
CONFIG_PPP_DEFLATE=m
CONFIG_PPP_BSDCOMP=m
# CONFIG_PPP_MPPE is not set
CONFIG_PPPOE=m
# CONFIG_SLIP is not set
# CONFIG_NET_FC is not set
# CONFIG_SHAPER is not set
CONFIG_NETCONSOLE=y
CONFIG_NETPOLL=y
# CONFIG_NETPOLL_RX is not set
# CONFIG_NETPOLL_TRAP is not set
CONFIG_NET_POLL_CONTROLLER=y

#
# ISDN subsystem
#
# CONFIG_ISDN is not set

#
# Telephony Support
#
# CONFIG_PHONE is not set

#
# Input device support
#
CONFIG_INPUT=y

#
# Userland interfaces
#
CONFIG_INPUT_MOUSEDEV=y
CONFIG_INPUT_MOUSEDEV_PSAUX=y
CONFIG_INPUT_MOUSEDEV_SCREEN_X=1024
```

```
CONFIG_INPUT_MOUSEDEV_SCREEN_Y=768
CONFIG_INPUT_JOYDEV=m
# 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_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=y
CONFIG_JOYSTICK_ANALOG=m
# CONFIG_JOYSTICK_A3D is not set
# CONFIG_JOYSTICK_ADI is not set
# CONFIG_JOYSTICK_COBRA is not set
# CONFIG_JOYSTICK_GF2K is not set
# CONFIG_JOYSTICK_GRIP is not set
# CONFIG_JOYSTICK_GRIP_MP is not set
# CONFIG_JOYSTICK_GUILLEMOT is not set
# CONFIG_JOYSTICK_INTERACT is not set
# CONFIG_JOYSTICK_SIDEWINDER is not set
# CONFIG_JOYSTICK_TMDC is not set
# CONFIG_JOYSTICK_IFORCE is not set
# CONFIG_JOYSTICK_WARRIOR is not set
# CONFIG_JOYSTICK_MAGELLAN is not set
# CONFIG_JOYSTICK_SPACEORB is not set
# CONFIG_JOYSTICK_SPACEBALL is not set
# CONFIG_JOYSTICK_STINGER is not set
# CONFIG_JOYSTICK_TWIDJOY is not set
# CONFIG_JOYSTICK_DB9 is not set
# CONFIG_JOYSTICK_GAMECON is not set
# CONFIG_JOYSTICK_TURBOGRAFX is not set
# CONFIG_JOYSTICK_JOYDUMP is not set
# CONFIG_INPUT_TOUCHSCREEN is not set
CONFIG_INPUT_MISC=y
CONFIG_INPUT_PCSPKR=m
# CONFIG_INPUT_WISTRON_BTNS 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_PARKBD is not set
# CONFIG_SERIO_PCIPS2 is not set
CONFIG_SERIO_LIBPS2=y
# CONFIG_SERIO_RAW is not set
CONFIG_GAMEPORT=m
# CONFIG_GAMEPORT_NS558 is not set
# CONFIG_GAMEPORT_L4 is not set
# CONFIG_GAMEPORT_EMU10K1 is not set
# CONFIG_GAMEPORT_FM801 is not set

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

#
# Serial drivers
#
CONFIG_SERIAL_8250=m
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=m
# CONFIG_SERIAL_JSM is not set
CONFIG_UNIX98_PTYS=y
# CONFIG_LEGACY_PTYS is not set
CONFIG_PRINTER=m
# 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 is not set
CONFIG_RTC=m
# CONFIG_GEN_RTC is not set
# 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=m
# CONFIG_AGP_ALI is not set
# CONFIG_AGP_ATI is not set
# CONFIG_AGP_AMD is not set
# CONFIG_AGP_AMD64 is not set
# CONFIG_AGP_INTEL is not set
# CONFIG_AGP_NVIDIA is not set
# CONFIG_AGP_SIS is not set
# CONFIG_AGP_SWORKS is not set
CONFIG_AGP_VIA=m
# CONFIG_AGP_EFFICEON is not set
CONFIG_DRM=m
# CONFIG_DRM_TDFX is not set
# CONFIG_DRM_R128 is not set
# CONFIG_DRM_RADEON is not set
# CONFIG_DRM_MGA is not set
# CONFIG_DRM_SIS is not set
# CONFIG_DRM_VIA is not set
# CONFIG_DRM_SAVAGE is not set
# CONFIG_MWAVE 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=m

#
# I2C Algorithms
#
CONFIG_I2C_ALGOBIT=m
CONFIG_I2C_ALGOPCF=m
CONFIG_I2C_ALGOPCA=m

#
# I2C Hardware Bus support
#
# CONFIG_I2C_ALI1535 is not set
# 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=m
# CONFIG_I2C_NFORCE2 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=m
CONFIG_I2C_VIAPRO=m
# 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

#
# Hardware Monitoring support
#
CONFIG_HWMON=y
CONFIG_HWMON_VID=m
# 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_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 is not set
# 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=m
# 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_SMSC47B397 is not set
CONFIG_SENSORS_VIA686A=m
# CONFIG_SENSORS_VT8231 is not set
CONFIG_SENSORS_W83781D=m
# 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

#
# Misc devices
#
# CONFIG_IBM_ASM is not set

#
# Multimedia devices
#
CONFIG_VIDEO_DEV=m

#
# Video For Linux
#

#
# Video Adapters
#
# CONFIG_VIDEO_ADV_DEBUG 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 is not set
# CONFIG_VIDEO_MXB is not set
# CONFIG_VIDEO_DPC is not set
# CONFIG_VIDEO_HEXIUM_ORION is not set
# CONFIG_VIDEO_HEXIUM_GEMINI is not set
# CONFIG_VIDEO_CX88 is not set
# CONFIG_VIDEO_EM28XX is not set
# CONFIG_VIDEO_OVCAMCHIP is not set
# CONFIG_VIDEO_AUDIO_DECODER is not set
# CONFIG_VIDEO_DECODER is not set

#
# Radio Adapters
#
# CONFIG_RADIO_CADET is not set
# CONFIG_RADIO_RTRACK is not set
```

```
# CONFIG_RADIO_RTRACK2 is not set
# CONFIG_RADIO_AZTECH is not set
# CONFIG_RADIO_GEMTEK is not set
# CONFIG_RADIO_GEMTEK_PCI is not set
# CONFIG_RADIO_MAXIRADIO is not set
# CONFIG_RADIO_MAESTRO is not set
# CONFIG_RADIO_SF16FMI is not set
# CONFIG_RADIO_SF16FMR2 is not set
# CONFIG_RADIO_TERRATEC is not set
# CONFIG_RADIO_TRUST is not set
# CONFIG_RADIO_TYPHOON is not set
# CONFIG_RADIO_ZOLTRIX is not set
```

```
#
# Digital Video Broadcasting Devices
#
# CONFIG_DVB is not set
```

```
#
# Graphics support
#
CONFIG_FB=y
CONFIG_FB_CFB_FILLRECT=y
CONFIG_FB_CFB_COPYAREA=y
CONFIG_FB_CFB_IMAGEBLIT=y
# CONFIG_FB_MACMODES is not set
CONFIG_FB_FIRMWARE_EDID=y
CONFIG_FB_MODE_HELPERS=y
# CONFIG_FB_TILEBLITTING is not set
# 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_VIDEO_SELECT=y
# CONFIG_FB_HGA is not set
# CONFIG_FB_S1D13XXX is not set
CONFIG_FB_NVIDIA=m
CONFIG_FB_NVIDIA_I2C=y
CONFIG_FB_RIVA=m
CONFIG_FB_RIVA_I2C=y
# CONFIG_FB_RIVA_DEBUG is not set
# CONFIG_FB_I810 is not set
# CONFIG_FB_INTEL is not set
# CONFIG_FB_MATROX is not set
# CONFIG_FB_RADEON_OLD is not set
# CONFIG_FB_RADEON is not set
# CONFIG_FB_ATY128 is not set
```

```
# CONFIG_FB_ATY 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_CYBLA is not set
# CONFIG_FB_TRIDENT 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_MDA_CONSOLE is not set
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

#
# Logo configuration
#
CONFIG_LOGO=y
CONFIG_LOGO_LINUX_MONO=y
CONFIG_LOGO_LINUX_VGA16=y
CONFIG_LOGO_LINUX_CLUT224=y
# CONFIG_BACKLIGHT_LCD_SUPPORT is not set

#
# Sound
#
CONFIG_SOUND=m

#
# Advanced Linux Sound Architecture
#
CONFIG_SND=m
CONFIG_SND_TIMER=m
CONFIG_SND_PCM=m
CONFIG_SND_RAWMIDI=m
CONFIG_SND_SEQUENCER=m
# CONFIG_SND_SEQ_DUMMY is not set
# CONFIG_SND_MIXER_OSS is not set
# CONFIG_SND_PCM_OSS is not set
# CONFIG_SND_SEQUENCER_OSS is not set
```

```
# CONFIG_SND_RTCTIMER is not set
# 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=m
CONFIG_SND_AC97_BUS=m
# 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
```

```
#
```

```
# ISA devices
```

```
#
```

```
# CONFIG_SND_AD1848 is not set
# CONFIG_SND_CMI8330 is not set
# CONFIG_SND_CS4231 is not set
# CONFIG_SND_CS4232 is not set
# CONFIG_SND_CS4236 is not set
# CONFIG_SND_ES1688 is not set
# CONFIG_SND_ES18XX is not set
# CONFIG_SND_GUSCLASSIC is not set
# CONFIG_SND_GUSEXTREME is not set
# CONFIG_SND_GUSMAX is not set
# CONFIG_SND_OPL3SA2 is not set
# CONFIG_SND_OPTI92X_AD1848 is not set
# CONFIG_SND_OPTI92X_CS4231 is not set
# CONFIG_SND_OPTI93X is not set
# CONFIG_SND_SB8 is not set
# CONFIG_SND_SB16 is not set
# CONFIG_SND_SBAWE is not set
# CONFIG_SND_SGALAXY is not set
# CONFIG_SND_SSCAPE is not set
# CONFIG_SND_WAVEFRONT is not set
```

```
#
```

```
# PCI devices
```

```
#
```

```
# CONFIG_SND_AD1889 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_EMU10K1 is not set
# CONFIG_SND_EMU10K1X is not set
# CONFIG_SND_ENS1370 is not set
CONFIG_SND_ENS1371=m
# 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 is not set
# 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_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

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

#
# Open Sound System
#
# CONFIG_SOUND_PRIME 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_BANDWIDTH=y
CONFIG_USB_DYNAMIC_MINORS=y
CONFIG_USB_SUSPEND=y
# CONFIG_USB_OTG is not set
CONFIG_USB_USBFS2=m

#
# 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_ISP116X_HCD is not set
# CONFIG_USB_OHCI_HCD is not set
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=m

#
# 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_ISD200 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_LIBUSUAL is not set

#
# USB Input Devices
#
CONFIG_USB_HID=m
CONFIG_USB_HIDINPUT=y
# 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
# CONFIG_USB_AIPTEK is not set
# CONFIG_USB_WACOM is not set
# CONFIG_USB_ACECAD is not set
# CONFIG_USB_KBTAB is not set
# CONFIG_USB_POWERMATE is not set
# CONFIG_USB_MTOUCH is not set
# CONFIG_USB_ITMTOUCH is not set
# CONFIG_USB_EGALAX is not set
# CONFIG_USB_YEALINK is not set
# CONFIG_USB_XPAD is not set
# CONFIG_USB_ATI_REMOTE is not set
# CONFIG_USB_ATI_REMOTE2 is not set
# CONFIG_USB_KEYSPAN_REMOTE is not set
# CONFIG_USB_APPLETOUCH is not set

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

#
# USB Multimedia devices
#
# CONFIG_USB_DABUSB is not set
# CONFIG_USB_VICAM is not set
# CONFIG_USB_DSBR is not set
# CONFIG_USB_ET61X251 is not set
# CONFIG_USB_IBMCAM is not set
# CONFIG_USB_KONICAWC is not set
# CONFIG_USB_OV511 is not set
# CONFIG_USB_SE401 is not set
# CONFIG_USB_SN9C102 is not set
# CONFIG_USB_STV680 is not set
```

```
# CONFIG_USB_ZC0301 is not set
# CONFIG_USB_PWC 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 is not set
# CONFIG_USB_ZD1201 is not set
# CONFIG_USB_MON is not set

#
# USB port drivers
#
# CONFIG_USB_USS720 is not set

#
# USB Serial Converter support
#
# CONFIG_USB_SERIAL is not set

#
# USB Miscellaneous drivers
#
# CONFIG_USB_EMI62 is not set
# CONFIG_USB_EMI26 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_LED is not set
# CONFIG_USB_CYTHERM is not set
# CONFIG_USB_GOTEMP is not set
# CONFIG_USB_PHIDGETKIT is not set
# CONFIG_USB_PHIDGETSERVO is not set
# CONFIG_USB_IDMOUSE is not set
# CONFIG_USB_SISUSBVGA is not set
# CONFIG_USB_LD is not set
# CONFIG_USB_TEST is not set

#
# USB DSL modem support
#

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

```
#  
# MMC/SD Card support  
#  
# CONFIG_MMC is not set  
  
#  
# LED devices  
#  
# CONFIG_NEW_LEDS is not set  
  
#  
# InfiniBand support  
#  
# CONFIG_INFINIBAND is not set  
  
#  
# EDAC – error detection and reporting (RAS)  
#  
CONFIG_EDAC=m  
  
#  
# Reporting subsystems  
#  
# CONFIG_EDAC_DEBUG is not set  
CONFIG_EDAC_MM_EDAC=m  
CONFIG_EDAC_AMD76X=m  
CONFIG_EDAC_E7XXX=m  
# CONFIG_EDAC_E752X is not set  
CONFIG_EDAC_I82875P=m  
# CONFIG_EDAC_I82860 is not set  
CONFIG_EDAC_R82600=m  
CONFIG_EDAC_POLL=y  
  
#  
# Distributed Lock Manager  
#  
# CONFIG_DLM is not set  
  
#  
# Real Time Clock  
#  
# CONFIG_RTC_CLASS is not set  
  
#  
# File systems  
#  
CONFIG_EXT2_FS=y  
CONFIG_EXT2_FS_XATTR=y  
# CONFIG_EXT2_FS_POSIX_ACL is not set  
# CONFIG_EXT2_FS_SECURITY is not set
```

```
CONFIG_EXT2_FS_XIP=y
CONFIG_FS_XIP=y
CONFIG_EXT3_FS=y
CONFIG_EXT3_FS_XATTR=y
CONFIG_EXT3_FS_POSIX_ACL=y
# CONFIG_EXT3_FS_SECURITY is not set
CONFIG_JBD=y
# CONFIG_JBD_DEBUG is not set
CONFIG_FS_MBCACHE=y
CONFIG_REISER4_FS=m
CONFIG_REISER4_DEBUG=y
CONFIG_REISERFS_FS=m
# CONFIG_REISERFS_CHECK is not set
# CONFIG_REISERFS_PROC_INFO is not set
# CONFIG_REISERFS_FS_XATTR is not set
# CONFIG_JFS_FS is not set
CONFIG_FS_POSIX_ACL=y
# CONFIG_XFS_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_QUOTA is not set
CONFIG_DNOTIFY=y
# CONFIG_AUTOFS_FS is not set
CONFIG_AUTOFS4_FS=m
# CONFIG_FUSE_FS is not set

#
# CD-ROM/DVD Filesystems
#
CONFIG_ISO9660_FS=m
CONFIG_JOLIET=y
# CONFIG_ZISOFS is not set
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_SYSFS=y
CONFIG_TMPFS=y
# CONFIG_HUGETLBFS is not set
# CONFIG_HUGETLB_PAGE is not set
CONFIG_RAMFS=y
CONFIG_CONFIGFS_FS=m

#
# 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_RPCSEC_GSS_KRB5=m
# CONFIG_RPCSEC_GSS_SPKM3 is not set
CONFIG_SMB_FS=m
# CONFIG_SMB_NLS_DEFAULT is not set
CONFIG_CIFS=m
CONFIG_CIFS_STATS=y
# CONFIG_CIFS_STATS2 is not set
```

```
CONFIG_CIFS_XATTR=y
CONFIG_CIFS_POSIX=y
# 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=y
# CONFIG_ACORN_PARTITION is not set
# CONFIG_OSF_PARTITION is not set
# CONFIG_AMIGA_PARTITION is not set
# CONFIG_ATARI_PARTITION is not set
# CONFIG_MAC_PARTITION is not set
CONFIG_MSDOS_PARTITION=y
# CONFIG_BSD_DISKLABEL is not set
# CONFIG_MINIX_SUBPARTITION is not set
# CONFIG_SOLARIS_X86_PARTITION is not set
# CONFIG_UNIXWARE_DISKLABEL is not set
# CONFIG_LDM_PARTITION is not set
# CONFIG_SGI_PARTITION is not set
# CONFIG_ULTRIX_PARTITION is not set
# CONFIG_SUN_PARTITION is not set
# CONFIG_KARMA_PARTITION is not set
# CONFIG_EFI_PARTITION is not set

#
# Native Language Support
#
CONFIG_NLS=y
CONFIG_NLS_DEFAULT="iso8859-1"
CONFIG_NLS_CODEPAGE_437=m
# 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=m
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 is not set
```

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

```
#
# Kernel hacking
#
# CONFIG_PRINTK_TIME is not set
CONFIG_MAGIC_SYSRQ=y
CONFIG_DEBUG_SHIRQ=y
CONFIG_DEBUG_KERNEL=y
CONFIG_LOG_BUF_SHIFT=14
CONFIG_DETECT_SOFTLOCKUP=y
# CONFIG_SCHEDSTATS is not set
CONFIG_DEBUG_SLAB=y
CONFIG_DEBUG_MUTEXES=y
# CONFIG_DEBUG_SPINLOCK is not set
CONFIG_DEBUG_SPINLOCK_SLEEP=y
# CONFIG_DEBUG_KOBJECT is not set
CONFIG_DEBUG_BUGVERBOSE=y
# CONFIG_DEBUG_INFO is not set
# CONFIG_PAGE_OWNER is not set
# CONFIG_DEBUG_FS is not set
# CONFIG_DEBUG_VM is not set
CONFIG_FRAME_POINTER=y
CONFIG_UNWIND_INFO=y
CONFIG_FORCED_INLINING=y
```

```
# CONFIG_RCU_TORTURE_TEST is not set
# CONFIG_DEBUG_SYNCHRO_TEST is not set
CONFIG_EARLY_PRINTK=y
CONFIG_DEBUG_STACKOVERFLOW=y
# CONFIG_DEBUG_STACK_USAGE is not set
CONFIG_STACK_BACKTRACE_COLS=1

#
# Page alloc debug is incompatible with Software Suspend on i386
#
CONFIG_DEBUG_RODATA=y
CONFIG_DEBUG_INITDATA=y
CONFIG_4KSTACKS=y
CONFIG_X86_FIND_SMP_CONFIG=y
CONFIG_X86_MPPARSE=y
# CONFIG_KGDB is not set

#
# Security options
#
# CONFIG_KEYS is not set
# CONFIG_SECURITY is not set

#
# Cryptographic options
#
CONFIG_CRYPT=y
CONFIG_CRYPT_HMAC=y
# CONFIG_CRYPT_NULL is not set
# CONFIG_CRYPT_MD4 is not set
CONFIG_CRYPT_MD5=y
CONFIG_CRYPT_SHA1=m
# CONFIG_CRYPT_SHA256 is not set
# CONFIG_CRYPT_SHA512 is not set
# CONFIG_CRYPT_WP512 is not set
# CONFIG_CRYPT_TGR192 is not set
CONFIG_CRYPT_DES=m
CONFIG_CRYPT_BLOWFISH=m
# CONFIG_CRYPT_TWOFISH is not set
# CONFIG_CRYPT_SERPENT is not set
CONFIG_CRYPT_AES=m
CONFIG_CRYPT_AES_586=m
# CONFIG_CRYPT_CAST5 is not set
# CONFIG_CRYPT_CAST6 is not set
# CONFIG_CRYPT_TEA is not set
CONFIG_CRYPT_ARC4=m
# CONFIG_CRYPT_KHAZAD is not set
# CONFIG_CRYPT_ANUBIS is not set
CONFIG_CRYPT_DEFLATE=m
CONFIG_CRYPT_MICHAEL_MIC=m
CONFIG_CRYPT_CRC32C=m
```

```
# CONFIG_CRYPTOTO_TEST is not set

#
# Hardware crypto devices
#
# CONFIG_CRYPTOTO_DEV_PADLOCK is not set

#
# Library routines
#
CONFIG_CRC_CCITT=m
# CONFIG_CRC16 is not set
CONFIG_CRC32=y
CONFIG_LIBCRC32C=m
CONFIG_ZLIB_INFLATE=m
CONFIG_ZLIB_DEFLATE=m
CONFIG_GENERIC_HARDIRQS=y
CONFIG_GENERIC_IRQ_PROBE=y
CONFIG_X86_BIOS_REBOOT=y
CONFIG_KTIME_SCALAR=y
zone: 0 pages, LIFO batch:0
DMI 2.3 present.
ACPI: RSDP (v000 ASUS ) @ 0x000f6a80
ACPI: RSDT (v001 ASUS A7V133-C 0x30303031 MSFT 0x31313031) @ 0x1ffec000
ACPI: FADT (v001 ASUS A7V133-C 0x30303031 MSFT 0x31313031) @ 0x1ffec080
ACPI: BOOT (v001 ASUS A7V133-C 0x30303031 MSFT 0x31313031) @ 0x1ffec040
ACPI: DSDT (v001 ASUS A7V133-C 0x00001000 MSFT 0x0100000b) @ 0x00000000
ACPI: PM-Timer IO Port: 0xe408
Allocating PCI resources starting at 30000000 (gap: 20000000:dfff0000)
Detected 1410.216 MHz processor.
Built 1 zonelists
Kernel command line: root=/dev/vglinux1/lvroot video=vesafb:ywrap,mtrr splash=silent resume=/dev/hdb6
netconsole=@xxxxxxxxxx/,@192.168.0.1/00:0E:9B:91:ED:72 init 1
netconsole: local port 6665
netconsole: local IP 192.163.0.3
netconsole: interface eth0
netconsole: remote port 6666
netconsole: remote IP 192.168.0.1
netconsole: remote ethernet address 00:0e:9b:91:ed:72
Local APIC disabled by BIOS -- you can enable it with "lapic"
mapped APIC to ffffd000 (01402000)
Enabling fast FPU save and restore... done.
Enabling unmasked SIMD FPU exception support... done.
Initializing CPU#0
CPU 0 irqstacks, hard=c038b000 soft=c038c000
PID hash table entries: 2048 (order: 11, 32768 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: 515716k/524208k available (1482k kernel code, 7952k reserved, 940k data, 156k init, 0k highmem)
Checking if this processor honours the WP bit even in supervisor mode... Ok.
```

Calibrating delay using timer specific routine.. 2823.22 BogoMIPS (lpj=5646449)  
Mount-cache hash table entries: 512  
CPU: After generic identify, caps: 0383f9ff c1cbf9ff 00000000 00000000 00000000 00000000 00000000  
CPU: After vendor identify, caps: 0383f9ff c1cbf9ff 00000000 00000000 00000000 00000000 00000000  
CPU: L1 I Cache: 64K (64 bytes/line), D cache 64K (64 bytes/line)  
CPU: L2 Cache: 256K (64 bytes/line)  
CPU: After all inits, caps: 0383f9ff c1cbf9ff 00000000 00000020 00000000 00000000 00000000  
Intel machine check architecture supported.  
Intel machine check reporting enabled on CPU#0.  
CPU: AMD Athlon(TM) XP 1600+ stepping 02  
Checking 'hlt' instruction... OK.  
SMP alternatives: switching to UP code  
Freeing SMP alternatives: 0k freed  
tbxface-0109 [02] load\_tables : ACPI Tables successfully acquired  
Parsing all Control Methods:  
Table [DSDT](id 0005) - 356 Objects with 38 Devices 115 Methods 24 Regions  
ACPI Namespace successfully loaded at root c03a9318  
ACPI: setting ELCR to 0200 (from 0c20)  
evxfevnt-0091 [03] enable : Transition to ACPI mode successful  
checking if image is initramfs...it isn't (no cpio magic); looks like an initrd  
Freeing initrd memory: 221k freed  
NET: Registered protocol family 16  
ACPI: bus type pci registered  
PCI: Using configuration type 1  
ACPI: Subsystem revision 20060210  
evgpeblk-0950 [06] ev\_create\_gpe\_block : GPE 00 to 0F [\_GPE] 2 regs on int 0x9  
evgpeblk-1047 [05] ev\_initialize\_gpe\_bloc: Found 4 Wake, Enabled 0 Runtime GPEs in this block  
Completing Region/Field/Buffer/Package initialization:.....  
Initialized 23/24 Regions 2/2 Fields 19/19 Buffers 11/14 Packages (365 nodes)  
Executing all Device \_STA and \_INI methods:.....  
41 Devices found - executed 0 \_STA, 0 \_INI methods  
ACPI: Interpreter enabled  
ACPI: Using PIC for interrupt routing  
ACPI: PCI Interrupt Link [LNKA] (IRQs 3 4 5 6 7 9 10 \*11 12 14 15)  
ACPI: PCI Interrupt Link [LNKB] (IRQs 3 4 5 6 7 9 10 11 12 14 15) \*0, disabled.  
ACPI: PCI Interrupt Link [LNKC] (IRQs 3 4 5 6 7 9 \*10 11 12 14 15)  
ACPI: PCI Interrupt Link [LNKD] (IRQs 3 4 \*5 6 7 9 10 11 12 14 15)  
ACPI: PCI Root Bridge [PCI0] (0000:00)  
PCI: Probing PCI hardware (bus 00)  
ACPI: Assume root bridge [\_SB\_.PCI0] bus is 0  
PCI quirk: region e200-e27f claimed by vt82c686 HW-mon  
PCI quirk: region e800-e80f claimed by vt82c686 SMB  
Boot video device is 0000:01:00.0  
ACPI: PCI Interrupt Routing Table [\_SB\_.PCI0.\_PRT]  
PCI: Using ACPI for IRQ routing  
PCI: If a device doesn't work, try "pci=routeirq". If it helps, post a report  
Setting up standard PCI resources  
PCI: Bridge: 0000:00:01.0  
IO window: disabled.  
MEM window: d6000000-d7efffff  
PREFETCH window: d7f00000-e5ffffff

PCI: Setting latency timer of device 0000:00:01.0 to 64  
Simple Boot Flag at 0x3a set to 0x1  
initcall at 0xc036c1f2: init\_hpet\_clocksource+0x0/0x78(): returned with error code -19  
Initializing Cryptographic API  
io scheduler noop registered  
io scheduler anticipatory registered  
io scheduler deadline registered  
io scheduler cfq registered (default)  
Applying VIA southbridge workaround.  
PCI: Disabling Via external APIC routing  
ACPI: Power Button (FF) [PWRFB]  
ACPI: Power Button (CM) [PWRB]  
ACPI: CPU0 (power states: C1[C1] C2[C2])  
ACPI: Processor [CPU0] (supports 16 throttling states)  
RAMDISK driver initialized: 16 RAM disks of 4096K size 1024 blocksize  
ne2k-pci.c:v1.03 9/22/2003 D. Becker/P. Gortmaker  
<http://www.seyld.com/network/ne2k-pci.html>  
ACPI: PCI Interrupt Link [LNKD] enabled at IRQ 5  
PCI: setting IRQ 5 as level-triggered  
ACPI: PCI Interrupt 0000:00:0d.0[A] -> Link [LNKD] -> GSI 5 (level, low) -> IRQ 5  
eth0: RealTek RTL-8029 found at 0xa000, IRQ 5, 00:40:95:46:6E:2D.  
netconsole: device eth0 not up yet, forcing it  
netconsole: carrier detect appears untrustworthy, waiting 4 seconds  
netconsole: network logging started  
Uniform Multi-Platform E-IDE driver Revision: 7.00alpha2  
ide: Assuming 33MHz system bus speed for PIO modes; override with idebus=xx  
VP\_IDE: IDE controller at PCI slot 0000:00:04.1  
ACPI (acpi\_bus-0216): Device 'IDE0' is not power manageable [20060210]  
VP\_IDE: chipset revision 6  
VP\_IDE: not 100% native mode: will probe irqs later  
VP\_IDE: VIA vt82c686b (rev 40) IDE UDMA100 controller on pci0000:00:04.1  
ide0: BM-DMA at 0xd800-0xd807, BIOS settings: hda:DMA, hdb:DMA  
ide1: BM-DMA at 0xd808-0xd80f, BIOS settings: hdc:DMA, hdd:DMA  
Probing IDE interface ide0...  
hda: ST340016A, ATA DISK drive  
hdb: Maxtor 6Y080L0, ATA DISK drive  
ide0 at 0x1f0-0x1f7,0x3f6 on irq 14  
Probing IDE interface ide1...  
hdc: HL-DT-ST DVDROM GSA-4165B, ATAPI CD/DVD-ROM drive  
hdd: CD-950E/AKU, ATAPI CD/DVD-ROM drive  
ide1 at 0x170-0x177,0x376 on irq 15  
hda: max request size: 128KiB  
hda: 78165360 sectors (40020 MB) w/2048KiB Cache, CHS=65535/16/63, UDMA(100)  
hda: cache flushes not supported  
hda: hda1 hda2 hda3 < hda5 hda6 hda7 hda8 hda9 hda10 > hda4  
hdb: max request size: 128KiB  
hdb: 160086528 sectors (81964 MB) w/2048KiB Cache, CHS=65535/16/63, UDMA(100)  
hdb: cache flushes supported  
hdb: hdb1 hdb2 < hdb5 hdb6 hdb7 hdb8 hdb9 >  
serio: i8042 AUX port at 0x60,0x64 irq 12  
serio: i8042 KBD port at 0x60,0x64 irq 1

mice: PS/2 mouse device common for all mice  
NET: Registered protocol family 2  
input: AT Translated Set 2 keyboard as /class/input/input0  
IP route cache hash table entries: 8192 (order: 3, 32768 bytes)  
TCP established hash table entries: 32768 (order: 5, 131072 bytes)  
TCP bind hash table entries: 32768 (order: 5, 131072 bytes)  
TCP: Hash tables configured (established 32768 bind 32768)  
TCP reno registered  
TCP bic registered  
NET: Registered protocol family 1  
Using IPI Shortcut mode  
ACPI: wakeup devices: PWRB PCI0 UAR1 UAR2 USB0 USB1  
ACPI: (supports S0 S1 S3 S4 S5)  
BIOS EDD facility v0.16 2004-Jun-25, 2 devices found  
RAMDISK: Compressed image found at block 0  
Time: tsc clocksource has been installed.  
VFS: Mounted root (ext2 filesystem).  
device-mapper: 4.5.0-ioctl (2005-10-04) initialised: dm-devel@xxxxxxxxxxx  
Time: acpi\_pm clocksource has been installed.  
input: ImExPS/2 Generic Explorer Mouse as /class/input/input1  
EXT3-fs: INFO: recovery required on readonly filesystem.  
EXT3-fs: write access will be enabled during recovery.  
kjournald starting. Commit interval 5 seconds  
EXT3-fs: recovery complete.  
EXT3-fs: mounted filesystem with ordered data mode.  
Freeing unused kernel memory: 156k freed  
Write protecting the kernel read-only data: 654k  
usbcore: registered new driver usbfs  
usbcore: registered new driver hub  
USB Universal Host Controller Interface driver v3.0  
ACPI (acpi\_bus-0216): Device 'USB0' is not power manageable [20060210]  
ACPI: PCI Interrupt 0000:00:04.2[D] -> Link [LNKD] -> GSI 5 (level, low) -> IRQ 5  
uhci\_hcd 0000:00:04.2: UHCI Host Controller  
uhci\_hcd 0000:00:04.2: new USB bus registered, assigned bus number 1  
uhci\_hcd 0000:00:04.2: irq 5, io base 0x0000d400  
usb usb1: new device found, idVendor=0000, idProduct=0000  
usb usb1: new device strings: Mfr=3, Product=2, SerialNumber=1  
usb usb1: Product: UHCI Host Controller  
usb usb1: Manufacturer: Linux 2.6.16-rc5-mm2 uhci\_hcd  
usb usb1: SerialNumber: 0000:00:04.2  
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 (acpi\_bus-0216): Device 'USB1' is not power manageable [20060210]  
ACPI: PCI Interrupt 0000:00:04.3[D] -> Link [LNKD] -> GSI 5 (level, low) -> IRQ 5  
uhci\_hcd 0000:00:04.3: UHCI Host Controller  
uhci\_hcd 0000:00:04.3: new USB bus registered, assigned bus number 2  
uhci\_hcd 0000:00:04.3: irq 5, io base 0x0000d000  
usb usb2: new device found, idVendor=0000, idProduct=0000  
usb usb2: new device strings: Mfr=3, Product=2, SerialNumber=1  
usb usb2: Product: UHCI Host Controller

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usb usb2: Manufacturer: Linux 2.6.16-rc5-mm2 uhci_hcd
usb usb2: SerialNumber: 0000:00:04.3
usb usb2: configuration #1 chosen from 1 choice
usb 1-2: new low speed USB device using uhci_hcd and address 2
hub 2-0:1.0: USB hub found
hub 2-0:1.0: 2 ports detected
usb 1-2: new device found, idVendor=044f, idProduct=b303
usb 1-2: new device strings: Mfr=4, Product=30, SerialNumber=0
usb 1-2: Product: FireStorm Dual Analog 2
usb 1-2: Manufacturer: THRUSTMASTER
usb 1-2: configuration #1 chosen from 1 choice
ACPI: PCI Interrupt Link [LNKC] enabled at IRQ 10
PCI: setting IRQ 10 as level-triggered
ACPI: PCI Interrupt 0000:00:0a.0[A] -> Link [LNKC] -> GSI 10 (level, low) -> IRQ 10
ohci1394: fw-host0: OHCI-1394 1.0 (PCI): IRQ=[10] MMIO=[d5800000-d58007ff] Max Packet=[2048]
IR/IT contexts=[8/8]
input: THRUSTMASTER FireStorm Dual Analog 2 as /class/input/input2
input: USB HID v1.10 Gamepad [THRUSTMASTER FireStorm Dual Analog 2] on usb-0000:00:04.2-2
usbcore: registered new driver usbhid
usbhid: v2.6:USB HID core driver
Using specific hotkey driver
ieee1394: Host added: ID:BUS[0-00:1023] GUID[00308d0120e085ca]
EXT3 FS on dm-4, internal journal
Adding 257000k swap on /dev/hdb6. Priority:1 extents:1 across:257000k
Adding 64220k swap on /dev/hda5. Priority:2 extents:1 across:64220k
Adding 795208k swap on /dev/hdb7. Priority:2 extents:1 across:795208k
Linux agpgart interface v0.101 (c) Dave Jones
agpgart: Detected VIA Twister-K/KT133x/KM133 chipset
agpgart: AGP aperture is 32M @ 0xe6000000
md: md driver 0.90.3 MAX_MD_DEVS=256, MD_SB_DISKS=27
md: bitmap version 4.39
md: md0 stopped.
md: bind<hdb9>
md: bind<hda7>
md: raid1 personality registered for level 1
raid1: raid set md0 active with 2 out of 2 mirrors
ReiserFS: dm-1: found reiserfs format "3.6" with standard journal
ReiserFS: dm-1: using ordered data mode
ReiserFS: dm-1: journal params: device dm-1, size 8192, journal first block 18, max trans len 1024, max
batch 900, max commit age 30, max trans age 30
ReiserFS: dm-1: checking transaction log (dm-1)
ReiserFS: dm-1: replayed 1 transactions in 0 seconds
ReiserFS: dm-1: Using r5 hash to sort names
Loading Reiser4. See www.namesys.com for a description of Reiser4.
ps_hash_table: 32 buckets
d_cursor_hash_table: 256 buckets
ef_hash_table: 8192 buckets
z_hash_table: 8192 buckets
z_hash_table: 8192 buckets
j_hash_table: 16384 buckets
loading reiser4 bitmap.....done (19 jiffies)
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[BUG] 2.6.16-rc5-mm2/3 : oops on rmdir snd-ens1371

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ReiserFS: hda9: found reiserfs format "3.6" with standard journal
ReiserFS: hda9: using ordered data mode
ReiserFS: hda9: journal params: device hda9, size 8192, journal first block 18, max trans len 1024, max batch
900, max commit age 30, max trans age 30
ReiserFS: hda9: checking transaction log (hda9)
ReiserFS: hda9: Using r5 hash to sort names
ReiserFS: dm-0: found reiserfs format "3.6" with standard journal
ReiserFS: dm-0: using ordered data mode
ReiserFS: dm-0: journal params: device dm-0, size 8192, journal first block 18, max trans len 1024, max
batch 900, max commit age 30, max trans age 30
ReiserFS: dm-0: checking transaction log (dm-0)
ReiserFS: dm-0: Using r5 hash to sort names
kjournald starting. Commit interval 5 seconds
EXT3 FS on dm-2, internal journal
EXT3-fs: mounted filesystem with ordered data mode.
loop: loaded (max 8 devices)
hdc: ATAPI 48X DVD-ROM DVD-R-RAM CD-R/RW drive, 2048kB Cache, UDMA(33)
Uniform CD-ROM driver Revision: 3.20
hdd: ATAPI 48X CD-ROM drive, 128kB Cache, DMA
hda: cache flushes not supported
md: md0 in immediate safe mode
ACPI: PCI Interrupt 0000:00:09.0[A] -> Link [LNKD] -> GSI 5 (level, low) -> IRQ 5
BUG: unable to handle kernel paging request at virtual address 6b6b6b6b
printing eip:
c016f1d2
*pde = 00000000
Oops: 0000 [#1]
last sysfs file: /block/hdd/removable
Modules linked in: snd_ens1371 gameport snd_rawmidi snd_seq_device snd_ac97_codec snd_ac97_bus
snd_pcm snd_timer snd soundcore snd_page_alloc ide_cd cdrom loop aes dm_crypt nls_iso8859_1 nls_cp850
vfat fat reiser4 reiserfs raid1 md_mod via_agp agpgart video joydev ohci1394 ieee1394 usbhid uhci_hcd
usbcore dm_mirror dm_mod
CPU: 0
EIP: 0060:[<c016f1d2>] Not tainted VLI
EFLAGS: 00010286 (2.6.16-rc5-mm2 #120)
EIP is at remove_proc_entry+0x2e/0x150
eax: 00000000 ebx: dcb56720 ecx: ffffffff edx: dcb56720
esi: ddfdf090 edi: 6b6b6b6b ebp: dbe7fe30 esp: dbe7fe18
ds: 007b es: 007b ss: 0068
Process rmdir (pid: 1219, threadinfo=dbe7f000 task=dbe5ba90)
Stack: <0>22222222 dcb56720 6b6b6b6b dcb56720 ddfdf090 00000001 dbe7fe38 e0c28f99
dbe7fe48 e0c294e3 dfbda8a4 c168c05c dbe7fe54 e0d95e70 dfbda8a4 dbe7fe68
e0d95e9b c168c03c c168c03c c168c104 dbe7fe74 e0d8e1d1 e0d9d5ec dbe7fe8c
Call Trace:
[<c0103a46>] show_stack_log_lvl+0xa0/0xab
[<c0103b7f>] show_registers+0x12e/0x194
[<c0103e
```