

2.6.15-4 and LSISAS1064, no device is showing

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2006-02/msg08198.html>

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 - *Date:* Thu, 23 Feb 2006 10:54:20 +0100
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Hello lkml,

I am running a dual socket dual core opteron machine (blade 35p from HP) with kernel 2.6.15.4.

This machine has two SAS disks accessed via a PCI LSISAS1064 board. To check the hardware I first launched the installation of redhat 4 update 2 and everything is fine (device sda : a hardware RAID0 of my two SAS disks shows and works).

Now I am trying to compile a 2.6.15.4 and the driver looks to load fine but the devices do not show up.

the dmesg output is at the end of this email.

some special things about my .config:

it is an network boot with root over nfs
no modules, everything static

the .config is at the end after the dmesg output

=====

```
Bootdata ok (command line is root=/dev/nfs console=tty1 console=ttyS0
ip=::16.16.184.1::: BOOT_IMAGE=cmulinuz )
Linux version 2.6.15.4-CMU (seb@o184i017) (gcc version 3.3.3 (SuSE Linux)) #2
SMP Tue Feb 21 21:46:18 CET 2006
BIOS-provided physical RAM map:
BIOS-e820: 0000000000000000 - 000000000009f000 (usable)
BIOS-e820: 000000000009f000 - 00000000000a0000 (reserved)
BIOS-e820: 00000000000f0000 - 0000000000100000 (reserved)
BIOS-e820: 0000000000100000 - 00000000ef7f8000 (usable)
BIOS-e820: 00000000ef7f8000 - 00000000ef800000 (ACPI data)
BIOS-e820: 00000000fdc00000 - 00000000fdc01000 (reserved)
BIOS-e820: 00000000fdc10000 - 00000000fdc11000 (reserved)
BIOS-e820: 00000000fec00000 - 00000000fec01000 (reserved)
BIOS-e820: 00000000fee00000 - 00000000fee10000 (reserved)
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2.6.15-4 and LSISAS1064, no device is showing

```
BIOS-e820: 00000000ff800000 - 0000000100000000 (reserved)
ACPI: RSDP (v002 HP ) @ 0x000000000000f4f20
ACPI: XSDT (v001 HP A03 0x00000002 0x0000162e) @ 0x00000000ef7f83c8
ACPI: FADT (v003 HP A03 0x00000002 0x0000162e) @ 0x00000000ef7f8448
ACPI: MADT (v001 HP 00000083 0x00000002 0x00000000) @ 0x00000000ef7f8100
ACPI: SPCR (v001 HP SPCRBSU 0x00000001 0x0000162e) @ 0x00000000ef7f81c8
ACPI: SRAT (v001 HP A03 0x00000001 0x00000000) @ 0x00000000ef7f8248
ACPI: DSDT (v001 HP DSDT 0x00000001 MSFT 0x02000001) @
0x0000000000000000
On node 0 totalpages: 965920
DMA zone: 2387 pages, LIFO batch:0
DMA32 zone: 963533 pages, LIFO batch:31
Normal zone: 0 pages, LIFO batch:0
HighMem zone: 0 pages, LIFO batch:0
ACPI: PM-Timer IO Port: 0x908
ACPI: Local APIC address 0xfe00000
ACPI: LAPIC (acpi_id[0x00] lapic_id[0x00] enabled)
Processor #0 15:1 APIC version 16
ACPI: LAPIC (acpi_id[0x02] lapic_id[0x02] enabled)
Processor #2 15:1 APIC version 16
ACPI: LAPIC (acpi_id[0x04] lapic_id[0x04] disabled)
ACPI: LAPIC (acpi_id[0x06] lapic_id[0x06] disabled)
ACPI: LAPIC (acpi_id[0x01] lapic_id[0x01] enabled)
Processor #1 15:1 APIC version 16
ACPI: LAPIC (acpi_id[0x03] lapic_id[0x03] enabled)
Processor #3 15:1 APIC version 16
ACPI: LAPIC (acpi_id[0x05] lapic_id[0x05] disabled)
ACPI: LAPIC (acpi_id[0x07] lapic_id[0x07] disabled)
ACPI: LAPIC_NMI (acpi_id[0xff] high edge lint[0x1])
ACPI: IOAPIC (id[0x04] address[0xfec00000] gsi_base[0])
IOAPIC[0]: apic_id 4, version 17, address 0xfec00000, GSI 0-23
ACPI: IOAPIC (id[0x05] address[0xfdc00000] gsi_base[24])
IOAPIC[1]: apic_id 5, version 17, address 0xfdc00000, GSI 24-27
ACPI: IOAPIC (id[0x06] address[0xfdc10000] gsi_base[28])
IOAPIC[2]: apic_id 6, version 17, address 0xfdc10000, GSI 28-31
ACPI: INT_SRC_OVR (bus 0 bus_irq 0 global_irq 2 high edge)
ACPI: IRQ0 used by override.
ACPI: IRQ2 used by override.
ACPI: IRQ9 used by override.
Setting APIC routing to flat
Using ACPI (MADT) for SMP configuration information
Allocating PCI resources starting at f0000000 (gap: ef800000:e400000)
Checking aperture...
CPU 0: aperture @ 4000000000 size 32 MB
Aperture from northbridge cpu 0 too small (32 MB)
No AGP bridge found
Built 1 zonelists
Kernel command line: root=/dev/nfs console=tty1 console=ttyS0
ip=::16.16.184.1::: BOOT_IMAGE=cmulinux
Initializing CPU#0
PID hash table entries: 4096 (order: 12, 131072 bytes)
```

2.6.15-4 and LSISAS1064, no device is showing

time.c: Using 3.579545 MHz PM timer.
time.c: Detected 2205.075 MHz processor.
Console: colour VGA+ 80x25
Dentry cache hash table entries: 524288 (order: 10, 4194304 bytes)
Inode-cache hash table entries: 262144 (order: 9, 2097152 bytes)
Memory: 3856948k/3923936k available (3939k kernel code, 66376k reserved, 1519k data, 332k init)
Calibrating delay using timer specific routine.. 4418.08 BogoMIPS (lpj=8836165)
Mount-cache hash table entries: 256
CPU: L1 I Cache: 64K (64 bytes/line), D cache 64K (64 bytes/line)
CPU: L2 Cache: 1024K (64 bytes/line)
mtrr: v2.0 (20020519)
Using local APIC timer interrupts.
Detected 12.528 MHz APIC timer.
Booting processor 1/4 APIC 0x2
Initializing CPU#1
Calibrating delay using timer specific routine.. 4410.35 BogoMIPS (lpj=8820715)
CPU: L1 I Cache: 64K (64 bytes/line), D cache 64K (64 bytes/line)
CPU: L2 Cache: 1024K (64 bytes/line)
AMD Opteron(tm) Processor 275 stepping 02
CPU 1: Syncing TSC to CPU 0.
CPU 1: synchronized TSC with CPU 0 (last diff 6 cycles, maxerr 1119 cycles)
Booting processor 2/4 APIC 0x1
Initializing CPU#2
Calibrating delay using timer specific routine.. 4410.33 BogoMIPS (lpj=8820660)
CPU: L1 I Cache: 64K (64 bytes/line), D cache 64K (64 bytes/line)
CPU: L2 Cache: 1024K (64 bytes/line)
AMD Opteron(tm) Processor 275 stepping 02
CPU 2: Syncing TSC to CPU 0.
CPU 2: synchronized TSC with CPU 0 (last diff -3 cycles, maxerr 601 cycles)
Booting processor 3/4 APIC 0x3
Initializing CPU#3
Calibrating delay using timer specific routine.. 4410.45 BogoMIPS (lpj=8820912)
CPU: L1 I Cache: 64K (64 bytes/line), D cache 64K (64 bytes/line)
CPU: L2 Cache: 1024K (64 bytes/line)
AMD Opteron(tm) Processor 275 stepping 02
CPU 3: Syncing TSC to CPU 0.
CPU 3: synchronized TSC with CPU 0 (last diff 4 cycles, maxerr 1118 cycles)
Brought up 4 CPUs
Disabling vsyscall due to use of PM timer
time.c: Using PM based timekeeping.
testing NMI watchdog ... OK.
NET: Registered protocol family 16
ACPI: bus type pci registered
PCI: Using configuration type 1
ACPI: Subsystem revision 20050902
ACPI: Interpreter enabled
ACPI: Using IOAPIC for interrupt routing
ACPI: PCI Root Bridge [CFG0] (0000:00)
PCI: Probing PCI hardware (bus 00)
Boot video device is 0000:01:03.0

2.6.15-4 and LSISAS1064, no device is showing

```
ACPI: PCI Interrupt Routing Table [_SB_.CFG0._PRT]
ACPI: PCI Interrupt Routing Table [_SB_.CFG0.PCI0._PRT]
ACPI: PCI Root Bridge [CFG1] (0000:02)
PCI: Probing PCI hardware (bus 02)
ACPI: PCI Interrupt Routing Table [_SB_.CFG1.PCI1._PRT]
ACPI: PCI Interrupt Routing Table [_SB_.CFG1.PCI2._PRT]
ACPI: PCI Interrupt Link [LNKA] (IRQs 3 5 *7 10 11)
ACPI: PCI Interrupt Link [LNKB] (IRQs 3 5 7 *10 11)
ACPI: PCI Interrupt Link [LNKC] (IRQs 3 5 7 10 11) *0, disabled.
ACPI: PCI Interrupt Link [LNKD] (IRQs 3 *5 7 10 11)
SCSI subsystem initialized
PCI: Using ACPI for IRQ routing
PCI: If a device doesn't work, try "pci=routeirq". If it helps, post a report
PCI-DMA: Disabling IOMMU.
PCI: Bridge: 0000:00:03.0
IO window: 4000-4fff
MEM window: eff00000-f1ffffff
PREFETCH window: f6000000-f60fffff
PCI: Bridge: 0000:02:07.0
IO window: disabled.
MEM window: f2000000-f5ffffff
PREFETCH window: disabled.
PCI: Bridge: 0000:02:08.0
IO window: 5000-5fff
MEM window: f7f00000-f7ffffff
PREFETCH window: f6100000-f61fffff
IA32 emulation $Id: sys_ia32.c,v 1.32 2002/03/24 13:02:28 ak Exp $
VFS: Disk quotas dquot_6.5.1
Dquot-cache hash table entries: 512 (order 0, 4096 bytes)
Installing knfsd (copyright (C) 1996 okir@xxxxxxxxxxxxx).
NTFS driver 2.1.25 [Flags: R/W DEBUG].
JFS: nTxBlock = 8192, nTxLock = 65536
SGI XFS with ACLs, security attributes, realtime, large block/inode numbers, no
debug enabled
SGI XFS Quota Management subsystem
Initializing Cryptographic API
io scheduler noop registered
io scheduler anticipatory registered
io scheduler deadline registered
io scheduler cfq registered
PCI: MSI quirk detected. pci_msi_quirk set.
PCI: MSI quirk detected. pci_msi_quirk set.
Real Time Clock Driver v1.12
Non-volatile memory driver v1.2
Linux apgart interface v0.101 (c) Dave Jones
ipmi message handler version 38.0
ipmi device interface
IPMI System Interface driver.
ipmi_si: Trying "kcs" at I/O port 0xca2
ipmi_si: Trying "smic" at I/O port 0xca9
ipmi_si: Trying "bt" at I/O port 0xe4
```

2.6.15-4 and LSISAS1064, no device is showing

ipmi_si: Unable to find any System Interface(s)
Copyright (C) 2004 MontaVista Software – IPMI Powerdown via sys_reboot.
serio: i8042 AUX port at 0x60,0x64 irq 12
serio: i8042 KBD port at 0x60,0x64 irq 1
Serial: 8250/16550 driver \$Revision: 1.90 \$ 4 ports, IRQ sharing disabled
serial8250: ttyS0 at I/O 0x3f8 (irq = 4) is a 16550A
serial8250: ttyS1 at I/O 0x2f8 (irq = 3) is a 16550A
serial8250: ttyS1 at I/O 0x2f8 (irq = 4) is a 16550A
Floppy drive(s): fd0 is 1.44M
floppy0: no floppy controllers found
RAMDISK driver initialized: 16 RAM disks of 500000K size 1024 blocksize
loop: loaded (max 8 devices)
Compaq SMART2 Driver (v 2.6.0)
HP CISS Driver (v 2.6.8)
nbd: registered device at major 43
Intel(R) PRO/1000 Network Driver – version 6.1.16-k2
Copyright (c) 1999–2005 Intel Corporation.
Intel(R) PRO/10GbE Network Driver – version 1.0.100-k2
Copyright (c) 1999–2005 Intel Corporation.
Broadcom NetXtreme II Gigabit Ethernet Driver bnx2 v1.4.30 (October 11, 2005)
GSI 16 sharing vector 0xA9 and IRQ 16
ACPI: PCI Interrupt 0000:03:01.0[A] -> GSI 24 (level, low) -> IRQ 16
eth0: HP NC370i Multifunction Gigabit Server Adapter (A2) PCI-X 64-bit 100MHz
found at mem f4000000, IRQ 16, node addr 0013211fbb14
GSI 17 sharing vector 0xB1 and IRQ 17
ACPI: PCI Interrupt 0000:03:02.0[A] -> GSI 25 (level, low) -> IRQ 17
eth1: HP NC370i Multifunction Gigabit Server Adapter (A2) PCI-X 64-bit 100MHz
found at mem f2000000, IRQ 17, node addr 0013211fbb20
Uniform Multi-Platform E-IDE driver Revision: 7.00alpha2
ide: Assuming 33MHz system bus speed for PIO modes; override with idebus=xx
Probing IDE interface ide0...
Probing IDE interface ide1...
Adaptec aacraid driver (1.1-4 Feb 21 2006 21:44:22)
libata version 1.20 loaded.
Fusion MPT base driver 3.03.07
Copyright (c) 1999–2005 LSI Logic Corporation
Fusion MPT SAS Host driver 3.03.07
GSI 18 sharing vector 0xB9 and IRQ 18
ACPI: PCI Interrupt 0000:04:01.0[A] -> GSI 28 (level, low) -> IRQ 18
mptbase: Initiating ioc0 bringup
ioc0: SAS1064: Capabilities={Initiator}
scsi0 : ioc0: LSISAS1064, FwRev=00032c00h, Ports=1, MaxQ=511, IRQ=18
mice: PS/2 mouse device common for all mice
md: linear personality registered as nr 1
input: AT Translated Set 2 keyboard as /class/input/input0
md: raid0 personality registered as nr 2
md: raid1 personality registered as nr 3
md: raid5 personality registered as nr 4
raid5: automatically using best checksumming function: generic_sse
generic_sse: 6735.000 MB/sec
raid5: using function: generic_sse (6735.000 MB/sec)

2.6.15-4 and LSISAS1064, no device is showing

```
md: multipath personality registered as nr 7
md: md driver 0.90.3 MAX_MD_DEVS=256, MD_SB_DISKS=27
md: bitmap version 4.39
device-mapper: 4.4.0-ioctl (2005-01-12) initialised: dm-devel@xxxxxxxxxxx
oprofile: using NMI interrupt.
NET: Registered protocol family 2
IP route cache hash table entries: 131072 (order: 8, 1048576 bytes)
TCP established hash table entries: 262144 (order: 10, 4194304 bytes)
TCP bind hash table entries: 65536 (order: 8, 1048576 bytes)
TCP: Hash tables configured (established 262144 bind 65536)
TCP reno registered
TCP bic registered
NET: Registered protocol family 1
NET: Registered protocol family 17
input: PS/2 Generic Mouse as /class/input/input1
Sending DHCP and RARP requests .<6>bnx2: eth0 NIC Link is Up, 1000 Mbps full
duplex
bnx2: eth1 NIC Link is Up, 1000 Mbps full duplex
., OK
IP-Config: Got DHCP answer from 16.16.8.250, my address is 16.16.185.128
IP-Config: Complete:
device=eth0, addr=16.16.185.128, mask=255.255.248.0, gw=16.16.184.1,
host=0185i128, domain=, nis-domain=(none),
bootserver=16.16.8.250, rootserver=16.16.8.250, rootpath=/opt/cmu/ntbt/rp
md: Autodetecting RAID arrays.
md: autorun ...
md: ... autorun DONE.
Looking up port of RPC 100003/2 on 16.16.8.250
Looking up port of RPC 100005/1 on 16.16.8.250
VFS: Mounted root (nfs filesystem) readonly.
Freeing unused kernel memory: 332k freed

#
# Automatically generated make config: don't edit
# Linux kernel version: 2.6.15.4
# Tue Feb 21 21:43:18 2006
#
CONFIG_X86_64=y
CONFIG_64BIT=y
CONFIG_X86=y
CONFIG_SEMAPHORE_SLEEPERS=y
CONFIG_MMU=y
CONFIG_RWSEM_GENERIC_SPINLOCK=y
CONFIG_GENERIC_CALIBRATE_DELAY=y
CONFIG_X86_CMPXCHG=y
CONFIG_EARLY_PRINTK=y
CONFIG_GENERIC_ISA_DMA=y
CONFIG_GENERIC_IOMAP=y
CONFIG_ARCH_MAY_HAVE_PC_FDC=y

#
```

2.6.15-4 and LSISAS1064, no device is showing

```
# Code maturity level options
#
CONFIG_EXPERIMENTAL=y
CONFIG_CLEAN_COMPILE=y
CONFIG_LOCK_KERNEL=y
CONFIG_INIT_ENV_ARG_LIMIT=32

#
# General setup
#
CONFIG_LOCALVERSION="-CMU"
CONFIG_LOCALVERSION_AUTO=y
CONFIG_SWAP=y
CONFIG_SYSVIPC=y
# CONFIG_POSIX_MQUEUE is not set
CONFIG_BSD_PROCESS_ACCT=y
# CONFIG_BSD_PROCESS_ACCT_V3 is not set
CONFIG_SYSCTL=y
# CONFIG_AUDIT is not set
CONFIG_HOTPLUG=y
CONFIG_KOBJECT_UEVENT=y
CONFIG_IKCONFIG=y
CONFIG_IKCONFIG_PROC=y
# CONFIG_CPUSETS is not set
CONFIG_INITRAMFS_SOURCE=""
# CONFIG_CC_OPTIMIZE_FOR_SIZE is not set
# CONFIG_EMBEDDED is not set
CONFIG_KALLSYMS=y
# CONFIG_KALLSYMS_EXTRA_PASS is not set
CONFIG_PRINTK=y
CONFIG_BUG=y
CONFIG_BASE_FULL=y
CONFIG_FUTEX=y
CONFIG_EPOLL=y
CONFIG_SHMEM=y
CONFIG_CC_ALIGN_FUNCTIONS=0
CONFIG_CC_ALIGN_LABELS=0
CONFIG_CC_ALIGN_LOOPS=0
CONFIG_CC_ALIGN_JUMPS=0
# CONFIG_TINY_SHMEM is not set
CONFIG_BASE_SMALL=0

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

2.6.15-4 and LSISAS1064, no device is showing

```
#
# Block layer
#
CONFIG_LBD=y

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

#
# Processor type and features
#
# CONFIG_MK8 is not set
# CONFIG_MPSC is not set
CONFIG_GENERIC_CPU=y
CONFIG_X86_L1_CACHE_BYTES=128
CONFIG_X86_L1_CACHE_SHIFT=7
CONFIG_X86_TSC=y
CONFIG_X86_GOOD_APIC=y
# CONFIG_MICROCODE is not set
CONFIG_X86_MSR=y
CONFIG_X86_CPUID=y
CONFIG_X86_HT=y
CONFIG_X86_IO_APIC=y
CONFIG_X86_LOCAL_APIC=y
CONFIG_MTRR=y
CONFIG_SMP=y
# CONFIG_SCHED_SMT is not set
CONFIG_PREEMPT_NONE=y
# CONFIG_PREEMPT_VOLUNTARY is not set
# CONFIG_PREEMPT is not set
CONFIG_PREEMPT_BKL=y
# CONFIG_NUMA is not set
CONFIG_ARCH_FLATMEM_ENABLE=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 is not set
```

2.6.15-4 and LSISAS1064, no device is showing

```
CONFIG_SPLIT_PTLOCK_CPUS=4
CONFIG_HAVE_ARCH_EARLY_PFN_TO_NID=y
CONFIG_NR_CPUS=8
# CONFIG_HOTPLUG_CPU is not set
CONFIG_HPET_TIMER=y
CONFIG_X86_PM_TIMER=y
# CONFIG_HPET_EMULATE_RTC is not set
CONFIG_GART_IOMMU=y
CONFIG_SWIOTLB=y
CONFIG_X86_MCE=y
CONFIG_X86_MCE_INTEL=y
CONFIG_X86_MCE_AMD=y
CONFIG_PHYSICAL_START=0x100000
# CONFIG_KEXEC is not set
# CONFIG_SECCOMP is not set
# CONFIG_HZ_100 is not set
CONFIG_HZ_250=y
# CONFIG_HZ_1000 is not set
CONFIG_HZ=250
CONFIG_GENERIC_HARDIRQS=y
CONFIG_GENERIC_IRQ_PROBE=y
CONFIG_ISA_DMA_API=y
CONFIG_GENERIC_PENDING_IRQ=y

#
# Power management options
#
CONFIG_PM=y
CONFIG_PM_LEGACY=y
# CONFIG_PM_DEBUG is not set

#
# ACPI (Advanced Configuration and Power Interface) Support
#
CONFIG_ACPI=y
# CONFIG_ACPI_AC is not set
# CONFIG_ACPI_BATTERY is not set
# CONFIG_ACPI_BUTTON is not set
CONFIG_ACPI_VIDEO=y
# CONFIG_ACPI_HOTKEY is not set
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_BLACKLIST_YEAR=0
# CONFIG_ACPI_DEBUG is not set
CONFIG_ACPI_EC=y
CONFIG_ACPI_POWER=y
CONFIG_ACPI_SYSTEM=y
```

2.6.15-4 and LSISAS1064, no device is showing

```
# CONFIG_ACPI_CONTAINER is not set

#
# CPU Frequency scaling
#
# CONFIG_CPU_FREQ is not set

#
# Bus options (PCI etc.)
#
CONFIG_PCI=y
CONFIG_PCI_DIRECT=y
# CONFIG_PCI_MMCONFIG is not set
# CONFIG_UNORDERED_IO is not set
CONFIG_PCIEPORTBUS=y
# CONFIG_PCI_MSI is not set
CONFIG_PCI_LEGACY_PROC=y

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

#
# PCI Hotplug Support
#
# CONFIG_HOTPLUG_PCI is not set

#
# Executable file formats / Emulations
#
CONFIG_BINFMT_ELF=y
CONFIG_BINFMT_MISC=y
CONFIG_IA32_EMULATION=y
# CONFIG_IA32_AOUT is not set
CONFIG_COMPAT=y
CONFIG_SYSVIPC_COMPAT=y
CONFIG_UID16=y

#
# Networking
#
CONFIG_NET=y

#
# Networking options
#
CONFIG_PACKET=y
# CONFIG_PACKET_MMAP is not set
CONFIG_UNIX=y
# CONFIG_NET_KEY is not set
```

2.6.15-4 and LSISAS1064, no device is showing

```
CONFIG_INET=y
CONFIG_IP_MULTICAST=y
# CONFIG_IP_ADVANCED_ROUTER is not set
CONFIG_IP_FIB_HASH=y
CONFIG_IP_PNP=y
CONFIG_IP_PNP_DHCP=y
CONFIG_IP_PNP_BOOTP=y
CONFIG_IP_PNP_RARP=y
# 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 is not set
# CONFIG_INET_AH is not set
# CONFIG_INET_ESP is not set
# CONFIG_INET_IPCOMP is not set
# CONFIG_INET_TUNNEL is not set
CONFIG_INET_DIAG=y
CONFIG_INET_TCP_DIAG=y
CONFIG_TCP_CONG_ADVANCED=y

#
# TCP congestion control
#
CONFIG_TCP_CONG_BIC=y
# CONFIG_TCP_CONG_WESTWOOD is not set
# CONFIG_TCP_CONG_HTCP is not set
# CONFIG_TCP_CONG_HSTCP is not set
# CONFIG_TCP_CONG_HYBLA is not set
# CONFIG_TCP_CONG_VEGAS is not set
# CONFIG_TCP_CONG_SCALABLE is not set
# CONFIG_IPV6 is not set
# CONFIG_NETFILTER is not set

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

#
# SCTP Configuration (EXPERIMENTAL)
#
# CONFIG_IP_SCTP 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
```

2.6.15-4 and LSISAS1064, no device is showing

```
# 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 is not set

#
# Network testing
#
# CONFIG_NET_PKTGEN is not set
# CONFIG_HAMRADIO is not set
# CONFIG_IRDA is not set
# CONFIG_BT is not set
# CONFIG_IEEE80211 is not set

#
# Device Drivers
#

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

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

#
```

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```
# Block devices
#
CONFIG_BLK_DEV_FD=y
CONFIG_BLK_CPQ_DA=y
CONFIG_BLK_CPQ_CISS_DA=y
# CONFIG_CISS_SCSI_TAPE is not set
# CONFIG_BLK_DEV_DAC960 is not set
# CONFIG_BLK_DEV_UMEM is not set
# CONFIG_BLK_DEV_COW_COMMON is not set
CONFIG_BLK_DEV_LOOP=y
# CONFIG_BLK_DEV_CRYPTLOOP is not set
CONFIG_BLK_DEV_NBD=y
# CONFIG_BLK_DEV_SX8 is not set
CONFIG_BLK_DEV_RAM=y
CONFIG_BLK_DEV_RAM_COUNT=16
CONFIG_BLK_DEV_RAM_SIZE=500000
CONFIG_BLK_DEV_INITRD=y
# CONFIG_CDROM_PKTCDVD 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=y
CONFIG_BLK_DEV_IDECD=y
# CONFIG_BLK_DEV_IDETAPE is not set
# CONFIG_BLK_DEV_IDEFLOPPY is not set
# CONFIG_BLK_DEV_IDESCSI is not set
# CONFIG_IDE_TASK_IOCTL is not set

#
# IDE chipset support/bugfixes
#
CONFIG_IDE_GENERIC=y
CONFIG_BLK_DEV_CMD640=y
# CONFIG_BLK_DEV_CMD640_ENHANCED is not set
CONFIG_BLK_DEV_IDEPCI=y
CONFIG_IDEPCI_SHARE_IRQ=y
# CONFIG_BLK_DEV_OFFBOARD is not set
CONFIG_BLK_DEV_GENERIC=y
# CONFIG_BLK_DEV_OPTI621 is not set
CONFIG_BLK_DEV_RZ1000=y
```

2.6.15-4 and LSISAS1064, no device is showing

```
CONFIG_BLK_DEV_IDEDMA_PCI=y
# CONFIG_BLK_DEV_IDEDMA_FORCED is not set
CONFIG_IDEDMA_PCI_AUTO=y
CONFIG_IDEDMA_ONLYDISK=y
# CONFIG_BLK_DEV_AEC62XX is not set
# CONFIG_BLK_DEV_ALI15X3 is not set
CONFIG_BLK_DEV_AMD74XX=y
# 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_HPT34X is not set
# CONFIG_BLK_DEV_HPT366 is not set
# CONFIG_BLK_DEV_SC1200 is not set
CONFIG_BLK_DEV_PIIX=y
# 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=y
# 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 is not set
# CONFIG_IDE_ARM 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=y
CONFIG_SCSI=y
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 is not set
CONFIG_CHR_DEV_SG=y
# CONFIG_CHR_DEV_SCH is not set
```

2.6.15–4 and LSISAS1064, no device is showing

```
#  
# 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 Transport Attributes  
#  
CONFIG_SCSI_SPI_ATTRS=y  
CONFIG_SCSI_FC_ATTRS=y  
# CONFIG_SCSI_ISCSI_ATTRS is not set  
CONFIG_SCSI_SAS_ATTRS=y
```

```
#  
# 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=y  
CONFIG_SCSI_AIC7XXX=y  
CONFIG_AIC7XXX_CMDS_PER_DEVICE=253  
CONFIG_AIC7XXX_RESET_DELAY_MS=15000  
# CONFIG_AIC7XXX_DEBUG_ENABLE is not set  
CONFIG_AIC7XXX_DEBUG_MASK=0  
# CONFIG_AIC7XXX_REG_PRETTY_PRINT is not set  
# CONFIG_SCSI_AIC7XXX_OLD is not set  
# CONFIG_SCSI_AIC79XX is not set  
# CONFIG_MEGARAID_NEWGEN is not set  
# CONFIG_MEGARAID_LEGACY is not set  
# CONFIG_MEGARAID_SAS is not set  
CONFIG_SCSI_SATA=y  
CONFIG_SCSI_SATA_AHCI=y  
CONFIG_SCSI_SATA_SVW=y  
CONFIG_SCSI_ATA_PIIX=y  
# CONFIG_SCSI_SATA_MV is not set  
CONFIG_SCSI_SATA_NV=y  
# CONFIG_SCSI_PDC_ADMA is not set  
CONFIG_SCSI_SATA_QSTOR=y  
CONFIG_SCSI_SATA_PROMISE=y  
CONFIG_SCSI_SATA_SX4=y  
CONFIG_SCSI_SATA_SIL=y  
# CONFIG_SCSI_SATA_SIL24 is not set  
CONFIG_SCSI_SATA_SIS=y  
CONFIG_SCSI_SATA_ULI=y  
CONFIG_SCSI_SATA_VIA=y  
CONFIG_SCSI_SATA_VITESSE=y  
CONFIG_SCSI_SATA_INTEL_COMBINED=y
```

2.6.15-4 and LSISAS1064, no device is showing

```
# CONFIG_SCSI_BUSLOGIC is not set
# CONFIG_SCSI_DM3191D 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_SYM53C8XX_2=y
CONFIG_SCSI_SYM53C8XX_DMA_ADDRESSING_MODE=1
CONFIG_SCSI_SYM53C8XX_DEFAULT_TAGS=16
CONFIG_SCSI_SYM53C8XX_MAX_TAGS=64
# CONFIG_SCSI_SYM53C8XX_IOMAPPED is not set
# CONFIG_SCSI_IPR is not set
# CONFIG_SCSI_QLOGIC_FC is not set
# CONFIG_SCSI_QLOGIC_1280 is not set
CONFIG_SCSI_QLA2XXX=y
# CONFIG_SCSI_QLA21XX is not set
# CONFIG_SCSI_QLA22XX is not set
# CONFIG_SCSI_QLA2300 is not set
# CONFIG_SCSI_QLA2322 is not set
# CONFIG_SCSI_QLA6312 is not set
# CONFIG_SCSI_QLA24XX is not set
# CONFIG_SCSI_LPFC is not set
# CONFIG_SCSI_DC395x is not set
# CONFIG_SCSI_DC390T is not set
# CONFIG_SCSI_DEBUG is not set

#
# Multi-device support (RAID and LVM)
#
CONFIG_MD=y
CONFIG_BLK_DEV_MD=y
CONFIG_MD_LINEAR=y
CONFIG_MD_RAID0=y
CONFIG_MD_RAID1=y
# CONFIG_MD_RAID10 is not set
CONFIG_MD_RAID5=y
# CONFIG_MD_RAID6 is not set
CONFIG_MD_MULTIPATH=y
# CONFIG_MD_FAULTY is not set
CONFIG_BLK_DEV_DM=y
CONFIG_DM_CRYPT=y
# CONFIG_DM_SNAPSHOT is not set
# CONFIG_DM_MIRROR is not set
# CONFIG_DM_ZERO is not set
# CONFIG_DM_MULTIPATH is not set

#
# Fusion MPT device support
#
```

2.6.15-4 and LSISAS1064, no device is showing

```
CONFIG_FUSION=y
# CONFIG_FUSION_SPI is not set
# CONFIG_FUSION_FC is not set
CONFIG_FUSION_SAS=y
CONFIG_FUSION_MAX_SGE=128

#
# IEEE 1394 (FireWire) support
#
# CONFIG_IEEE1394 is not set

#
# I2O device support
#
# CONFIG_I2O is not set

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

#
# ARCnet devices
#
# CONFIG_ARCNET is not set

#
# PHY device support
#
# CONFIG_PHYLIB is not set

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

#
# Tulip family network device support
#
# CONFIG_NET_TULIP is not set
# CONFIG_HP100 is not set
CONFIG_NET_PCI=y
```

2.6.15-4 and LSISAS1064, no device is showing

```
# CONFIG_PCNET32 is not set
# CONFIG_AMD8111_ETH is not set
# CONFIG_ADAPTEC_STARFIRE is not set
# CONFIG_B44 is not set
# CONFIG_FORCEDETH is not set
# CONFIG_DGRS is not set
CONFIG_EEPRO100=y
# CONFIG_E100 is not set
# CONFIG_FEALNX is not set
# CONFIG_NATSEMI is not set
# CONFIG_NE2K_PCI is not set
# CONFIG_8139CP is not set
# CONFIG_8139TOO is not set
# CONFIG_SIS900 is not set
# CONFIG_EPIC100 is not set
# CONFIG_SUNDANCE is not set
# CONFIG_VIA_RHINE is not set

#
# Ethernet (1000 Mbit)
#
CONFIG_ACENIC=y
# CONFIG_ACENIC_OMIT_TIGON_I is not set
# CONFIG_DL2K is not set
CONFIG_E1000=y
# CONFIG_E1000_NAPI 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_SK98LIN is not set
# CONFIG_VIA_VELOCITY is not set
CONFIG_TIGON3=y
CONFIG_BNX2=y

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

#
# Token Ring devices
#
# CONFIG_TR is not set

#
```

2.6.15-4 and LSISAS1064, no device is showing

```
# Wireless LAN (non-hamradio)
#
# CONFIG_NET_RADIO is not set

#
# Wan interfaces
#
# 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

#
# 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 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
```

2.6.15-4 and LSISAS1064, no device is showing

```
# 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=y
# CONFIG_MOUSE_VSXXXAA is not set
# CONFIG_INPUT_JOYSTICK is not set
# CONFIG_INPUT_TOUCHSCREEN is not set
# CONFIG_INPUT_MISC is not set

#
# Hardware I/O ports
#
CONFIG_SERIO=y
CONFIG_SERIO_I8042=y
CONFIG_SERIO_SERPORT=y
# 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_SERIAL_NONSTANDARD is not set

#
# Serial drivers
#
CONFIG_SERIAL_8250=y
CONFIG_SERIAL_8250_CONSOLE=y
CONFIG_SERIAL_8250_ACPI=y
CONFIG_SERIAL_8250_NR_UARTS=4
# CONFIG_SERIAL_8250_EXTENDED is not set

#
# Non-8250 serial port support
#
CONFIG_SERIAL_CORE=y
CONFIG_SERIAL_CORE_CONSOLE=y
# CONFIG_SERIAL_JSM is not set
CONFIG_UNIX98_PTYS=y
CONFIG_LEGACY_PTYS=y
CONFIG_LEGACY_PTY_COUNT=256

#
```

2.6.15-4 and LSISAS1064, no device is showing

```
# IPMI
#
CONFIG_IPMI_HANDLER=y
# CONFIG_IPMI_PANIC_EVENT is not set
CONFIG_IPMI_DEVICE_INTERFACE=y
CONFIG_IPMI_SI=y
# CONFIG_IPMI_WATCHDOG is not set
CONFIG_IPMI_POWEROFF=y

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

#
# Ftape, the floppy tape device driver
#
CONFIG_AGP=y
CONFIG_AGP_AMD64=y
# CONFIG_AGP_INTEL is not set
# CONFIG_DRM is not set
# CONFIG_MWAVE 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 is not set

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

#
# Hardware Monitoring support
#
```

2.6.15-4 and LSISAS1064, no device is showing

```
CONFIG_HWMON=y
# CONFIG_HWMON_VID 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 Capabilities Port drivers
#

#
# Multimedia devices
#
# CONFIG_VIDEO_DEV is not set

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

#
# Graphics support
#
# CONFIG_FB is not set
CONFIG_VIDEO_SELECT=y

#
# Console display driver support
#
CONFIG_VGA_CONSOLE=y
CONFIG_DUMMY_CONSOLE=y

#
# Sound
#
# CONFIG_SOUND is not set

#
# USB support
#
CONFIG_USB_ARCH_HAS_HCD=y
CONFIG_USB_ARCH_HAS_OHCI=y
# CONFIG_USB is not set

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

2.6.15-4 and LSISAS1064, no device is showing

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

#
# MMC/SD Card support
#
# CONFIG_MMC is not set

#
# InfiniBand support
#
# CONFIG_INFINIBAND is not set

#
# SN Devices
#

#
# Firmware Drivers
#
# CONFIG_EDD is not set
# CONFIG_DELL_RBU is not set
# CONFIG_DCDBAS is not set

#
# File systems
#
CONFIG_EXT2_FS=y
CONFIG_EXT2_FS_XATTR=y
CONFIG_EXT2_FS_POSIX_ACL=y
CONFIG_EXT2_FS_SECURITY=y
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=y
CONFIG_JBD=y
# CONFIG_JBD_DEBUG is not set
CONFIG_FS_MBCACHE=y
CONFIG_REISERFS_FS=y
# CONFIG_REISERFS_CHECK is not set
CONFIG_REISERFS_PROC_INFO=y
CONFIG_REISERFS_FS_XATTR=y
CONFIG_REISERFS_FS_POSIX_ACL=y
CONFIG_REISERFS_FS_SECURITY=y
CONFIG_JFS_FS=y
CONFIG_JFS_POSIX_ACL=y
```

2.6.15-4 and LSIAS1064, no device is showing

```
CONFIG_JFS_SECURITY=y
CONFIG_JFS_DEBUG=y
CONFIG_JFS_STATISTICS=y
CONFIG_FS_POSIX_ACL=y
CONFIG_XFS_FS=y
CONFIG_XFS_EXPORT=y
CONFIG_XFS_QUOTA=y
CONFIG_XFS_SECURITY=y
CONFIG_XFS_POSIX_ACL=y
CONFIG_XFS_RT=y
# CONFIG_MINIX_FS is not set
CONFIG_ROMFS_FS=y
CONFIG_INOTIFY=y
CONFIG_QUOTA=y
CONFIG_QFMT_V1=y
CONFIG_QFMT_V2=y
CONFIG_QUOTACTL=y
CONFIG_DNOTIFY=y
CONFIG_AUTOFS_FS=y
CONFIG_AUTOFS4_FS=y
# CONFIG_FUSE_FS is not set

#
# CD-ROM/DVD Filesystems
#
CONFIG_ISO9660_FS=y
# CONFIG_JOLIET is not set
# CONFIG_ZISOFS is not set
# CONFIG_UDF_FS is not set

#
# DOS/FAT/NT Filesystems
#
CONFIG_FAT_FS=y
CONFIG_MSDOS_FS=y
CONFIG_VFAT_FS=y
CONFIG_FAT_DEFAULT_CODEPAGE=437
CONFIG_FAT_DEFAULT_IOCHARSET="iso8859-1"
CONFIG_NTFS_FS=y
CONFIG_NTFS_DEBUG=y
CONFIG_NTFS_RW=y

#
# Pseudo filesystems
#
CONFIG_PROC_FS=y
# CONFIG_PROC_KCORE is not set
CONFIG_SYSFS=y
CONFIG_TMPFS=y
# CONFIG_HUGETLBFS is not set
# CONFIG_HUGETLB_PAGE is not set
```

2.6.15-4 and LSISAS1064, no device is showing

```
CONFIG_RAMFS=y
# CONFIG_RELAYFS_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=y
CONFIG_NFS_V3=y
CONFIG_NFS_V3_ACL=y
# CONFIG_NFS_V4 is not set
# CONFIG_NFS_DIRECTIO is not set
CONFIG_NFSD=y
CONFIG_NFSD_V2_ACL=y
CONFIG_NFSD_V3=y
CONFIG_NFSD_V3_ACL=y
# CONFIG_NFSD_V4 is not set
# CONFIG_NFSD_TCP is not set
CONFIG_ROOT_NFS=y
CONFIG_LOCKD=y
CONFIG_LOCKD_V4=y
CONFIG_EXPORTFS=y
CONFIG_NFS_ACL_SUPPORT=y
CONFIG_NFS_COMMON=y
CONFIG_SUNRPC=y
# CONFIG_RPCSEC_GSS_KRB5 is not set
# CONFIG_RPCSEC_GSS_SPKM3 is not set
CONFIG_SMB_FS=y
# CONFIG_SMB_NLS_DEFAULT is not set
# CONFIG_CIFS 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
```

2.6.15-4 and LSISAS1064, no device is showing

```
#
# 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=y
# CONFIG_MINIX_SUBPARTITION is not set
# CONFIG_SOLARIS_X86_PARTITION is not set
# CONFIG_UNIXWARE_DISKLABEL is not set
CONFIG_LDM_PARTITION=y
# CONFIG_LDM_DEBUG is not set
# CONFIG_SGI_PARTITION is not set
# CONFIG_ULTRIX_PARTITION is not set
# CONFIG_SUN_PARTITION is not set
CONFIG_EFI_PARTITION=y

#
# Native Language Support
#
CONFIG_NLS=y
CONFIG_NLS_DEFAULT="iso8859-1"
CONFIG_NLS_CODEPAGE_437=y
# CONFIG_NLS_CODEPAGE_737 is not set
# CONFIG_NLS_CODEPAGE_775 is not set
CONFIG_NLS_CODEPAGE_850=y
# 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 is not set
```

2.6.15-4 and LSISAS1064, no device is showing

```
CONFIG_NLS_ISO8859_2=y
# 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 is not set
# CONFIG_NLS_KOI8_R is not set
# CONFIG_NLS_KOI8_U is not set
# CONFIG_NLS_UTF8 is not set

#
# Instrumentation Support
#
CONFIG_PROFILING=y
CONFIG_OPROFILE=y
# CONFIG_KPROBES is not set

#
# Kernel hacking
#
# CONFIG_PRINTK_TIME is not set
# CONFIG_DEBUG_KERNEL is not set
CONFIG_LOG_BUF_SHIFT=15

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

#
# Cryptographic options
#
CONFIG_CRYPTOD=y
# CONFIG_CRYPTOD_HMAC is not set
# CONFIG_CRYPTOD_NULL is not set
# CONFIG_CRYPTOD_MD4 is not set
# CONFIG_CRYPTOD_MD5 is not set
# CONFIG_CRYPTOD_SHA1 is not set
# CONFIG_CRYPTOD_SHA256 is not set
# CONFIG_CRYPTOD_SHA512 is not set
# CONFIG_CRYPTOD_WP512 is not set
# CONFIG_CRYPTOD_TGR192 is not set
# CONFIG_CRYPTOD_DES is not set
# CONFIG_CRYPTOD_BLOWFISH is not set
# CONFIG_CRYPTOD_TWOFISH is not set
# CONFIG_CRYPTOD_SERPENT is not set
```

2.6.15-4 and LSISAS1064, no device is showing

```
# CONFIG_CRYPT_AES_X86_64 is not set
# CONFIG_CRYPT_CAST5 is not set
# CONFIG_CRYPT_CAST6 is not set
# CONFIG_CRYPT_TEA is not set
# CONFIG_CRYPT_ARC4 is not set
# CONFIG_CRYPT_KHAZAD is not set
# CONFIG_CRYPT_ANUBIS is not set
# CONFIG_CRYPT_DEFLATE is not set
# CONFIG_CRYPT_MICHAEL_MIC is not set
# CONFIG_CRYPT_CRC32C is not set
# CONFIG_CRYPT_TEST is not set
```

```
#
# Hardware crypto devices
#
```

```
#
# Library routines
#
# CONFIG_CRC_CCITT is not set
# CONFIG_CRC16 is not set
CONFIG_CRC32=y
# CONFIG_LIBCRC32C is not set
```

—
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