

DragonFlyBSD - Bug #2459

apic problems with HP Probook 4510s

11/22/2012 10:42 AM - thowe

Status:	Feedback	Start date:	11/22/2012
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Networking	Estimated time:	0.00 hour
Target version:	4.2.x		
Description			
<p>With the x86_64 snapshot from Oct 30 2012, I am unable to use the NIC or USB storage drives on a probook 4510s. I have the same trouble with 3.2.1.</p> <p>If attempting to use the NIC, I get a number of these messages:</p> <pre>msk0: watchdog timeout (missed Tx interrupts) -- recovering</pre> <p>If I plug in a USB drive, it is simply unrecognized. It also appears as if the port I have plugged it into shuts itself down... I have these drives that have a light on them when plugged in to a USB; when I plug them in using 3.3 they have the light for about half a second and then shut off.</p> <p>If I boot with "hw.ioapic_enable=0" I am able to use both the NIC and USB drives.</p> <p>Here is a verbose dmesg:</p> <pre>Copyright (c) 2003-2012 The DragonFly Project. Copyright (c) 1992-2003 The FreeBSD Project. Copyright (c) 1979, 1980, 1983, 1986, 1988, 1989, 1991, 1992, 1993, 1994 The Regents of the University of California. All rights reserved. Slab ZoneSize set to 128KB Leaving critical section, allowing interrupts ACPI SDT: RSDP not in EBDA ACPI SDT: RSDP in BIOS mem ACPI FADT: SCI irq 9, conform/conform DragonFly v3.3.0.506.gaad8a0-DEVELOPMENT #0: Tue Oct 30 19:01:13 UTC 2012 root@pkgbox64.dragonflybsd.org:/usr/obj/usr/src/sys/X86_64_GENERIC Calibrating clock(s) ... TSC clock: 2094746661 Hz, i8254 clock: 1193180 Hz CLK_USE_I8254_CALIBRATION not specified - using default frequency CLK_USE_TSC_CALIBRATION not specified - using old calibration method CPU: Intel(R) Core(TM)2 Duo CPU T6570 @ 2.10GHz (2094.77-MHz K8-class CPU) Origin = "GenuineIntel" Id = 0x1067a Stepping = 10 Features=0xbfebfbff<FPU,VME,DE,PSE,TSC,MSR,PAE,MCE,CX8,APIC,SEP,MTRR,PGE,MCA,CMOV,PAT,PSE36,CLFLUSH,DTS ,ACPI,MMX,FXSR,SSE,SSE2,SS,HTT,TM,PBE> Features2=0x408e3bd<SSE3,DTES64,MON,DS_CPL,VMX,EST,TM2,SSSE3,CX16,xTPR,PDCM,SSE4.1,XSAVE> AMD Features=0x20100800<SYSCALL,NX,LM> AMD Features2=0x1<LAHF> real memory = 2072271872 (1976 MB) Physical memory chunk(s): 0x00020000 - 0x0007ffff, 393216 bytes (96 pages) 0x00100000 - 0x001fffff, 1048576 bytes (256 pages) 0x035a0000 - 0x76b3ffff, 1935278080 bytes (472480 pages) 0x76b60000 - 0x7795ffff, 14680064 bytes (3584 pages) 0x77980000 - 0x7a0fffff, 41418752 bytes (10112 pages) 0x7a320000 - 0x7ba5ffff, 24379392 bytes (5952 pages) avail memory = 1894744064 (1806 MB) ACPI MADT: LAPIC address 0xfe00000, flags 0x1 ACPI MADT: BSP apic id 0 ACPI MADT: cpu id 0, apic id 0 ACPI MADT: cpu id 1, apic id 1 lapic: divisor index 0, frequency 99750420 Hz SMP: CPU0 apic_initialize():</pre>			

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lint0: 0x00010700 lint1: 0x00000400 TPR: 0x00000000 SVR: 0x000001ff
SMP: Waiting APs LAPIC initialization
SMP: CPU1 apic_initialize():
lint0: 0x00010000 lint1: 0x00010400 TPR: 0x00000000 SVR: 0x000001ff
ACPI MADT: warning invalid intsrc irq 9 trig, level
ACPI MADT: IOAPIC addr 0xfec00000, apic id 1, gsi base 0
ACPI MADT: INTSRC irq 0 -> gsi 2 edge/high
ACPI MADT: SCI irq 9, first test level/high
IOAPIC: idx 0, apic id 2, gsi base 0, npin 24
IOAPIC: irq 1, gsi 1 -> cpu0 (fixed)
IOAPIC: irq 1 -> gsi 1 edge/high
IOAPIC: irq 0, gsi 2 -> cpu0 (0)
IOAPIC: irq 0 -> gsi 2 edge/high
IOAPIC: irq 3, gsi 3 -> cpu0 (fixed)
IOAPIC: irq 3 -> gsi 3 edge/high
IOAPIC: irq 4, gsi 4 -> cpu0 (fixed)
IOAPIC: irq 4 -> gsi 4 edge/high
IOAPIC: irq 5, gsi 5 -> cpu0 (fixed)
IOAPIC: irq 5 -> gsi 5 edge/high
IOAPIC: irq 6, gsi 6 -> cpu0 (fixed)
IOAPIC: irq 6 -> gsi 6 edge/high
IOAPIC: irq 7, gsi 7 -> cpu0 (fixed)
IOAPIC: irq 7 -> gsi 7 edge/high
IOAPIC: irq 8, gsi 8 -> cpu0 (fixed)
IOAPIC: irq 8 -> gsi 8 edge/high
IOAPIC: irq 9, gsi 9 -> cpu0 (sci)
IOAPIC: irq 9 -> gsi 9 edge/high
IOAPIC: irq 10, gsi 10 -> cpu0 (fixed)
IOAPIC: irq 10 -> gsi 10 edge/high
IOAPIC: irq 11, gsi 11 -> cpu0 (fixed)
IOAPIC: irq 11 -> gsi 11 edge/high
IOAPIC: irq 12, gsi 12 -> cpu0 (fixed)
IOAPIC: irq 12 -> gsi 12 edge/high
IOAPIC: irq 13, gsi 13 -> cpu0 (fixed)
IOAPIC: irq 13 -> gsi 13 edge/high
IOAPIC: irq 14, gsi 14 -> cpu0 (fixed)
IOAPIC: irq 14 -> gsi 14 edge/high
IOAPIC: irq 15, gsi 15 -> cpu0 (fixed)
IOAPIC: irq 15 -> gsi 15 edge/high
IOAPIC: irq 16, gsi 16 -> cpu0 (fixed)
IOAPIC: irq 16 -> gsi 16 level/low
IOAPIC: irq 17, gsi 17 -> cpu0 (fixed)
IOAPIC: irq 17 -> gsi 17 level/low
IOAPIC: irq 18, gsi 18 -> cpu0 (fixed)
IOAPIC: irq 18 -> gsi 18 level/low
IOAPIC: irq 19, gsi 19 -> cpu0 (fixed)
IOAPIC: irq 19 -> gsi 19 level/low
IOAPIC: irq 20, gsi 20 -> cpu0 (fixed)
IOAPIC: irq 20 -> gsi 20 level/low
IOAPIC: irq 21, gsi 21 -> cpu0 (fixed)
IOAPIC: irq 21 -> gsi 21 level/low
IOAPIC: irq 22, gsi 22 -> cpu0 (fixed)
IOAPIC: irq 22 -> gsi 22 level/low
IOAPIC: irq 23, gsi 23 -> cpu0 (fixed)
IOAPIC: irq 23 -> gsi 23 level/low
IOAPIC: cpu0 irq 2 reserved
IOAPIC: cpu1 irq 0 reserved
IOAPIC: cpu1 irq 1 reserved
IOAPIC: cpu1 irq 2 reserved
IOAPIC: cpu1 irq 3 reserved
IOAPIC: cpu1 irq 4 reserved
IOAPIC: cpu1 irq 5 reserved
IOAPIC: cpu1 irq 6 reserved
IOAPIC: cpu1 irq 7 reserved
IOAPIC: cpu1 irq 8 reserved
IOAPIC: cpu1 irq 9 reserved
IOAPIC: cpu1 irq 10 reserved
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IOAPIC: cpu1 irq 11 reserved
IOAPIC: cpu1 irq 12 reserved
IOAPIC: cpu1 irq 13 reserved
IOAPIC: cpu1 irq 14 reserved
IOAPIC: cpu1 irq 15 reserved
IOAPIC: legacy irq max 24
ELCR Found. ISA IRQs programmed as:
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
E E E E E E E E E L L E E E E
Initialize MI interrupts
objcache: magazine cap [6, 134]
Finish MP startup
Active CPU Mask: 0000000000000003
ndepotmags=263 x mag_cap=134 for mbuf
ndepotmags=132 x mag_cap=134 for mbuf pkt hdr
ndepotmags=17 x mag_cap=134 for cluster mbuf
ndepotmags=8 x mag_cap=134 for jcluster mbuf
ndepotmags=9 x mag_cap=134 for mbuf + cluster
ndepotmags=6 x mag_cap=46 for mbuf pkt hdr + cluster
ndepotmags=6 x mag_cap=46 for mbuf + jcluster
ndepotmags=6 x mag_cap=22 for mbuf pkt hdr + jcluster
ndepotmags=6 x mag_cap=22 for sf_buf
ndepotmags=2 x mag_cap=6 for exec-args
Preloaded elf kernel "kernel" at 0xffffffff83008000.
Preloaded elf obj module "acpi.ko" at 0xffffffff83008550.
Preloaded elf obj module "ehci.ko" at 0xffffffff83008ee8.
link_elf_obj_obj: symbol atomic_swap_int undefined
KLD file acpi.ko - could not finalize loading
BITS within APICID: logical_CPU_bits: 0; core_bits: 1
CPU Topology: cores_per_chip: 2; threads_per_core: 1; chips_per_package: 1;
Start scheduler helpers on cpus:
cpu0 - No HT available, multi-core/physical cpu. Physical siblings: cpu0 cpu1
cpu1 - No HT available, multi-core/physical cpu. Physical siblings: cpu0 cpu1
Start scheduler helpers on cpus:
cpu0 - No HT available, multi-core/physical cpu. Physical siblings: cpu0 cpu1
cpu1 - No HT available, multi-core/physical cpu. Physical siblings: cpu0 cpu1
start dummy scheduler helpers on cpus: 0 1
ndepotmags=6 x mag_cap=6 for thread
ndepotmags=6 x mag_cap=22 for dsched-tdio-cache
ndepotmags=6 x mag_cap=22 for dsched-tdctx-cache
ndepotmags=6 x mag_cap=22 for dsched-diskctx-cache
ndepotmags=6 x mag_cap=6 for vmSPACE
ndepotmags=6 x mag_cap=22 for devfs-node-cache
ndepotmags=6 x mag_cap=22 for devfs-msg-cache
ndepotmags=6 x mag_cap=22 for devfs-dev-cache
ndepotmags=6 x mag_cap=22 for disk-msg-cache
FQ scheduler policy version 1.1 loaded
ndepotmags=6 x mag_cap=22 for pdict128
ndepotmags=6 x mag_cap=6 for devfs
wdog: In-kernel automatic watchdog reset enabled
ndepotmags=6 x mag_cap=22 for pdict32
ndepotmags=6 x mag_cap=22 for propdata
ndepotmags=6 x mag_cap=22 for pdict16
ndepotmags=6 x mag_cap=22 for propnmb
ndepotmags=6 x mag_cap=22 for preparay
ndepotmags=6 x mag_cap=22 for propdict
ndepotmags=6 x mag_cap=22 for propstng
ndepotmags=6 x mag_cap=22 for devfs-rule-cache
wlan: <802.11 Link Layer>
ndepotmags=6 x mag_cap=22 for ata_request
ndepotmags=6 x mag_cap=22 for ata_composite
No policy for md0 specified, or policy not found
disk scheduler: set policy of md0 to noop
md0: Malloc disk
kbd: new array size 4
kbd1 at kbdmux0
ndepotmags=6 x mag_cap=22 for crypto op

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ndepotmags=6 x mag_cap=22 for crypto desc
crypto: <crypto core>
md0: invalid primary partition table: no magic
hptrr: RocketRAID 17xx/2xxx SATA controller driver v1.2
hpt27xx: RocketRAID 27xx controller driver v1.0 (Oct 30 2012 19:00:45)
IOAPIC: rman cpu0 0 - 1
IOAPIC: rman cpu0 3 - 95
IOAPIC: rman cpu0 97 - 191
IOAPIC: rman cpu1 16 - 95
IOAPIC: rman cpu1 97 - 191
cryptosoft0.nexus0.root0
cryptosoft0: <software crypto> [tentative] on motherboard
crypto: assign cryptosoft0 driver id 0, flags 234881024
crypto: cryptosoft0 registers alg 1 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 2 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 3 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 4 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 5 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 16 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 6 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 7 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 18 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 19 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 20 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 8 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 15 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 9 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 10 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 13 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 14 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 11 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 22 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 23 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 24 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 28 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 25 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 26 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 27 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 21 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 29 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 30 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 31 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 32 flags 0 maxoplen 0
crypto: cryptosoft0 registers alg 17 flags 0 maxoplen 0
cryptosoft0: <software crypto> [attached!] on motherboard
pcib0.legacy0.nexus0.root0
pcib0: <MPTABLE Host-PCI bridge> [tentative] pcibus 0 on motherboard
pci0.pci0.legacy0.nexus0.root0
pci0: <PCI bus> [tentative] on pci0
pci0: domain=0, physical bus=0
found-> vendor=0x8086, dev=0x2a40, revid=0x07
domain=0, bus=0, slot=0, func=0
class=06-00-00, hdrtype=0x00, mfdev=0
cmdreg=0x0006, statreg=0x2090, cachelnsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
found-> vendor=0x8086, dev=0x2a42, revid=0x07
domain=0, bus=0, slot=2, func=0
class=03-00-00, hdrtype=0x00, mfdev=1
cmdreg=0x0007, statreg=0x0090, cachelnsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=a, irq=10
powerspec 3 supports D0 D3 current D0
MSI supports 1 message
map[10]: type Memory, range 64, base 0x90000000, size 22, enabled
map[18]: type Prefetchable Memory, range 64, base 0x80000000, size 28, enabled
map[20]: type I/O Port, range 32, base 0x70f0, size 3, enabled
MPTABLE: fixed interrupt routing for 0:2 INTA

MPTABLE: 0:2 INTA routed to irq 10
IOAPIC: irq 10, gsi 10 edge/high -> level/low
found-> vendor=0x8086, dev=0x2a43, revid=0x07
domain=0, bus=0, slot=2, func=1
class=03-80-00, hdrtype=0x00, mfdev=1
cmdreg=0x0007, statreg=0x0090, cachelnsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
powerspec 3 supports D0 D3 current D0
map[10]: type Memory, range 64, base 0x90400000, size 20, enabled
found-> vendor=0x8086, dev=0x2937, revid=0x03
domain=0, bus=0, slot=26, func=0
class=0c-03-00, hdrtype=0x00, mfdev=1
cmdreg=0x0005, statreg=0x0290, cachelnsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=a, irq=10
map[20]: type I/O Port, range 32, base 0x70c0, size 5, enabled
MPTABLE: fixed interrupt routing for 0:26 INTA
MPTABLE: 0:26 INTA routed to irq 10
found-> vendor=0x8086, dev=0x2938, revid=0x03
domain=0, bus=0, slot=26, func=1
class=0c-03-00, hdrtype=0x00, mfdev=0
cmdreg=0x0005, statreg=0x0290, cachelnsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=b, irq=11
map[20]: type I/O Port, range 32, base 0x70a0, size 5, enabled
MPTABLE: fixed interrupt routing for 0:26 INTB
MPTABLE: 0:26 INTB routed to irq 11
IOAPIC: irq 11, gsi 11 edge/high -> level/low
found-> vendor=0x8086, dev=0x2939, revid=0x03
domain=0, bus=0, slot=26, func=2
class=0c-03-00, hdrtype=0x00, mfdev=0
cmdreg=0x0005, statreg=0x0290, cachelnsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=c, irq=10
map[20]: type I/O Port, range 32, base 0x7080, size 5, enabled
MPTABLE: fixed interrupt routing for 0:26 INTC
MPTABLE: 0:26 INTC routed to irq 10
found-> vendor=0x8086, dev=0x293c, revid=0x03
domain=0, bus=0, slot=26, func=7
class=0c-03-20, hdrtype=0x00, mfdev=0
cmdreg=0x0006, statreg=0x0290, cachelnsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=d, irq=10
powerspec 2 supports D0 D3 current D0
map[10]: type Memory, range 32, base 0x98904c00, size 10, enabled
MPTABLE: fixed interrupt routing for 0:26 INTD
MPTABLE: 0:26 INTD routed to irq 10
found-> vendor=0x8086, dev=0x293e, revid=0x03
domain=0, bus=0, slot=27, func=0
class=04-03-00, hdrtype=0x00, mfdev=0
cmdreg=0x0006, statreg=0x0010, cachelnsz=16 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=a, irq=11
powerspec 2 supports D0 D3 current D0
MSI supports 1 message, 64 bit
PCI Express ver.1 cap=0x0091[ROOTDEV]
map[10]: type Memory, range 64, base 0x98900000, size 14, enabled
MPTABLE: fixed interrupt routing for 0:27 INTA
MPTABLE: 0:27 INTA routed to irq 11
found-> vendor=0x8086, dev=0x2940, revid=0x03
domain=0, bus=0, slot=28, func=0
class=06-04-00, hdrtype=0x01, mfdev=1
cmdreg=0x0007, statreg=0x0010, cachelnsz=16 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=a, irq=10
powerspec 2 supports D0 D3 current D0
MSI supports 1 message

PCI Express ver.1 cap=0x0141[ROOT], slotcap=0x0000a0e0[HOTPLUG]
MPTABLE: fixed interrupt routing for 0:28 INTA
MPTABLE: 0:28 INTA routed to irq 10
found-> vendor=0x8086, dev=0x2942, revid=0x03
domain=0, bus=0, slot=28, func=1
class=06-04-00, hdrtype=0x01, mfdev=1
cmdreg=0x0007, statreg=0x0010, cachelnsz=16 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=b, irq=11
powerspec 2 supports D0 D3 current D0
MSI supports 1 message
PCI Express ver.1 cap=0x0141[ROOT], slotcap=0x0008a0e0[HOTPLUG]
MPTABLE: fixed interrupt routing for 0:28 INTB
MPTABLE: 0:28 INTB routed to irq 11
found-> vendor=0x8086, dev=0x2944, revid=0x03
domain=0, bus=0, slot=28, func=2
class=06-04-00, hdrtype=0x01, mfdev=1
cmdreg=0x0007, statreg=0x0010, cachelnsz=16 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=c, irq=10
powerspec 2 supports D0 D3 current D0
MSI supports 1 message
PCI Express ver.1 cap=0x0141[ROOT], slotcap=0x0010a0e0[HOTPLUG]
MPTABLE: fixed interrupt routing for 0:28 INTC
MPTABLE: 0:28 INTC routed to irq 10
found-> vendor=0x8086, dev=0x2948, revid=0x03
domain=0, bus=0, slot=28, func=4
class=06-04-00, hdrtype=0x01, mfdev=1
cmdreg=0x0007, statreg=0x0010, cachelnsz=16 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=a, irq=10
powerspec 2 supports D0 D3 current D0
MSI supports 1 message
PCI Express ver.1 cap=0x0141[ROOT], slotcap=0x0020a0e0[HOTPLUG]
MPTABLE: fixed interrupt routing for 0:28 INTA
MPTABLE: 0:28 INTA routed to irq 10
found-> vendor=0x8086, dev=0x294a, revid=0x03
domain=0, bus=0, slot=28, func=5
class=06-04-00, hdrtype=0x01, mfdev=1
cmdreg=0x0007, statreg=0x0010, cachelnsz=16 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=b, irq=11
powerspec 2 supports D0 D3 current D0
MSI supports 1 message
PCI Express ver.1 cap=0x0141[ROOT], slotcap=0x0028a0e0[HOTPLUG]
MPTABLE: fixed interrupt routing for 0:28 INTB
MPTABLE: 0:28 INTB routed to irq 11
found-> vendor=0x8086, dev=0x2934, revid=0x03
domain=0, bus=0, slot=29, func=0
class=0c-03-00, hdrtype=0x00, mfdev=1
cmdreg=0x0005, statreg=0x0290, cachelnsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=a, irq=10
map[20]: type I/O Port, range 32, base 0x7060, size 5, enabled
MPTABLE: fixed interrupt routing for 0:29 INTA
MPTABLE: 0:29 INTA routed to irq 10
found-> vendor=0x8086, dev=0x2935, revid=0x03
domain=0, bus=0, slot=29, func=1
class=0c-03-00, hdrtype=0x00, mfdev=0
cmdreg=0x0005, statreg=0x0290, cachelnsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=b, irq=10
map[20]: type I/O Port, range 32, base 0x7040, size 5, enabled
MPTABLE: fixed interrupt routing for 0:29 INTB
MPTABLE: 0:29 INTB routed to irq 10
found-> vendor=0x8086, dev=0x2936, revid=0x03
domain=0, bus=0, slot=29, func=2

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class=0c-03-00, hdrtype=0x00, mfdev=0
cmdreg=0x0005, statreg=0x0290, cachelnsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=c, irq=10
map[20]: type I/O Port, range 32, base 0x7020, size 5, enabled
MPTABLE: fixed interrupt routing for 0:29 INTC
MPTABLE: 0:29 INTC routed to irq 10
found-> vendor=0x8086, dev=0x293a, revid=0x03
domain=0, bus=0, slot=29, func=7
class=0c-03-20, hdrtype=0x00, mfdev=0
cmdreg=0x0006, statreg=0x0290, cachelnsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=d, irq=10
powerspec 2 supports D0 D3 current D0
map[10]: type Memory, range 32, base 0x98904800, size 10, enabled
MPTABLE: fixed interrupt routing for 0:29 INTD
MPTABLE: 0:29 INTD routed to irq 10
found-> vendor=0x8086, dev=0x2448, revid=0x93
domain=0, bus=0, slot=30, func=0
class=06-04-01, hdrtype=0x01, mfdev=0
cmdreg=0x0107, statreg=0x0010, cachelnsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x02 (500 ns), maxlat=0x00 (0 ns)
found-> vendor=0x8086, dev=0x2919, revid=0x03
domain=0, bus=0, slot=31, func=0
class=06-01-00, hdrtype=0x00, mfdev=1
cmdreg=0x0007, statreg=0x0210, cachelnsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
found-> vendor=0x8086, dev=0x2929, revid=0x03
domain=0, bus=0, slot=31, func=2
class=01-06-01, hdrtype=0x00, mfdev=0
cmdreg=0x0007, statreg=0x02b0, cachelnsz=0 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=a, irq=10
powerspec 3 supports D0 D3 current D0
MSI supports 16 messages
map[10]: type I/O Port, range 32, base 0x70e8, size 3, enabled
map[14]: type I/O Port, range 32, base 0x70fc, size 2, enabled
map[18]: type I/O Port, range 32, base 0x70e0, size 3, enabled
map[1c]: type I/O Port, range 32, base 0x70f8, size 2, enabled
map[20]: type I/O Port, range 32, base 0x7000, size 5, enabled
map[24]: type Memory, range 32, base 0x98904000, size 11, enabled
MPTABLE: fixed interrupt routing for 0:31 INTA
MPTABLE: 0:31 INTA routed to irq 10
vgapci0.pci0.pci0.legacy0.nexus0.root0
vgapci0: <VGA-compatible display> [tentative] port 0x70f0-0x70f7 mem 0x80000000-0x8fffffff,0x90000000-0x903fffff irq 10 at device
2.0 on pci0
agp0.vgapci0.pci0.pci0.legacy0.nexus0.root0
agp0: <Intel GM45 SVGA controller> [tentative] on vgapci0
vgapci0: Reserved 0x10000000 bytes for rid 0x18 type 3 at 0x80000000
vgapci0: Reserved 0x400000 bytes for rid 0x10 type 3 at 0x90000000
agp0: detected 65532k stolen memory
agp0: aperture size is 256M
agp0: <Intel GM45 SVGA controller> [attached!] on vgapci0
vgapci0: <VGA-compatible display> [attached!] port 0x70f0-0x70f7 mem 0x80000000-0x8fffffff,0x90000000-0x903fffff irq 10 at device
2.0 on pci0
vgapci1.pci0.pci0.legacy0.nexus0.root0
vgapci1: <VGA-compatible display> [tentative] mem 0x90400000-0x904fffff at device 2.1 on pci0
vgapci1: <VGA-compatible display> [attached!] mem 0x90400000-0x904fffff at device 2.1 on pci0
uhci0.pci0.pci0.legacy0.nexus0.root0
uhci0: <Intel 828011 (ICH9) USB controller> [tentative] port 0x70c0-0x70df irq 10 at device 26.0 on pci0
uhci0: Reserved 0x20 bytes for rid 0x20 type 4 at 0x70c0
usb0.uhci0.pci0.pci0.legacy0.nexus0.root0
usb0: <Intel 828011 (ICH9) USB controller> [tentative] on uhci0
usb0: USB revision 1.0
uhub0.usb0.uhci0.pci0.pci0.legacy0.nexus0.root0
uhub0: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> [tentative] on usb0
uhub0: 2 ports with 2 removable, self powered
```

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uhub0: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> [attached!] on usb0
usb0: <Intel 828011 (ICH9) USB controller> [attached!] on uhci0
uhci0: <Intel 828011 (ICH9) USB controller> [attached!] port 0x70c0-0x70df irq 10 at device 26.0 on pci0
uhci1.pci0.pci0.legacy0.nexus0.root0
uhci1: <Intel 828011 (ICH9) USB controller> [tentative] port 0x70a0-0x70bf irq 11 at device 26.1 on pci0
uhci1: Reserved 0x20 bytes for rid 0x20 type 4 at 0x70a0
usb1.uhci1.pci0.pci0.legacy0.nexus0.root0
usb1: <Intel 828011 (ICH9) USB controller> [tentative] on uhci1
usb1: USB revision 1.0
uhub1.usb1.uhci1.pci0.pci0.legacy0.nexus0.root0
uhub1: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> [tentative] on usb1
uhub1: 2 ports with 2 removable, self powered
uhub1: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> [attached!] on usb1
usb1: <Intel 828011 (ICH9) USB controller> [attached!] on uhci1
uhci1: <Intel 828011 (ICH9) USB controller> [attached!] port 0x70a0-0x70bf irq 11 at device 26.1 on pci0
uhci2.pci0.pci0.legacy0.nexus0.root0
uhci2: <Intel 828011 (ICH9) USB controller> [tentative] port 0x7080-0x709f irq 10 at device 26.2 on pci0
uhci2: Reserved 0x20 bytes for rid 0x20 type 4 at 0x7080
usb2.uhci2.pci0.pci0.legacy0.nexus0.root0
usb2: <Intel 828011 (ICH9) USB controller> [tentative] on uhci2
usb2: USB revision 1.0
uhub2.usb2.uhci2.pci0.pci0.legacy0.nexus0.root0
uhub2: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> [tentative] on usb2
uhub2: 2 ports with 2 removable, self powered
uhub2: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> [attached!] on usb2
usb2: <Intel 828011 (ICH9) USB controller> [attached!] on uhci2
uhci2: <Intel 828011 (ICH9) USB controller> [attached!] port 0x7080-0x709f irq 10 at device 26.2 on pci0
ehci0.pci0.pci0.legacy0.nexus0.root0
ehci0: <EHCI (generic) USB 2.0 controller> [tentative] mem 0x98904c00-0x98904fff irq 10 at device 26.7 on pci0
ehci0: Reserved 0x400 bytes for rid 0x10 type 3 at 0x98904c00
usb3: EHCI version 1.0
usb3: companion controllers, 2 ports each: usb0 usb1 usb2
usb3.ehci0.pci0.pci0.legacy0.nexus0.root0
usb3: <EHCI (generic) USB 2.0 controller> [tentative] on ehci0
usb3: USB revision 2.0
uhub3.usb3.ehci0.pci0.pci0.legacy0.nexus0.root0
uhub3: <Intel EHCI root hub, class 9/0, rev 2.00/1.00, addr 1> [tentative] on usb3
uhub3: 6 ports with 6 removable, self powered
uhub3: <Intel EHCI root hub, class 9/0, rev 2.00/1.00, addr 1> [attached!] on usb3
usb3: <EHCI (generic) USB 2.0 controller> [attached!] on ehci0
ehci0: <EHCI (generic) USB 2.0 controller> [attached!] mem 0x98904c00-0x98904fff irq 10 at device 26.7 on pci0
pci0: <multimedia, HDA> (vendor 0x8086, dev 0x293e) at device 27.0 irq 11
pci1.pci0.pci0.legacy0.nexus0.root0
pci1: <MPTABLE PCI-PCI bridge> [tentative] irq 10 at device 28.0 on pci0
pci1: domain 0
pci1: secondary bus 1
pci1: subordinate bus 1
pci1: I/O decode 0xf000-0xffff
pci1: memory decode 0x98800000-0x988fffff
pci1: no prefetched decode
pci1: Disable PCI Express hot-plug interrupts(0x0009)
pci1.pci1.pci0.pci0.legacy0.nexus0.root0
pci1: <PCI bus> [tentative] on pci1
pci1: domain=0, physical bus=1
pci1: <PCI bus> [attached!] on pci1
pci1: <MPTABLE PCI-PCI bridge> [attached!] irq 10 at device 28.0 on pci0
pci2.pci0.pci0.legacy0.nexus0.root0
pci2: <MPTABLE PCI-PCI bridge> [tentative] irq 11 at device 28.1 on pci0
pci2: domain 0
pci2: secondary bus 2
pci2: subordinate bus 2
pci2: I/O decode 0xf000-0xffff
pci2: memory decode 0x98700000-0x987fffff
pci2: no prefetched decode
pci2.pci2.pci0.pci0.legacy0.nexus0.root0
pci2: <PCI bus> [tentative] on pci2
pci2: domain=0, physical bus=2

```



```

found-> vendor=0x8086, dev=0x4237, revid=0x00
domain=0, bus=2, slot=0, func=0
class=02-80-00, hdrtype=0x00, mfdev=0
cmdreg=0x0006, statreg=0x0010, cachelnsz=16 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=a, irq=11
powerspec 3 supports D0 D3 current D0
MSI supports 1 message, 64 bit
PCI Express ver.1 cap=0x0001[DEVICE]
map[10]: type Memory, range 64, base 0x98700000, size 13, enabled
pcib2: requested memory range 0x98700000-0x98701fff: good
MPTABLE: fixed interrupt routing for 0:28 INTA
MPTABLE: 0:28 INTA routed to irq 11
pcib2: slot 0 INTA is routed to irq 11
pci2: <network> (vendor 0x8086, dev 0x4237) at device 0.0 irq 11
pci2: <PCI bus> [attached!] on pcib2
pci2: <MPTABLE PCI-PCI bridge> [attached!] irq 11 at device 28.1 on pci0
pci3.pci0.pci0.legacy0.nexus0.root0
pci3: <MPTABLE PCI-PCI bridge> [tentative] irq 10 at device 28.2 on pci0
pci3: domain 0
pci3: secondary bus 3
pci3: subordinate bus 67
pci3: I/O decode 0x5000-0x6fff
pci3: memory decode 0x94700000-0x986ffff
pci3: no prefetched decode
pci3: Disable PCI Express hot-plug interrupts(0x0009)
pci3.pci3.pci0.pci0.legacy0.nexus0.root0
pci3: <PCI bus> [tentative] on pcib3
pci3: domain=0, physical bus=3
pci3: <PCI bus> [attached!] on pcib3
pci3: <MPTABLE PCI-PCI bridge> [attached!] irq 10 at device 28.2 on pci0
pci4.pci0.pci0.legacy0.nexus0.root0
pci4: <MPTABLE PCI-PCI bridge> [tentative] irq 10 at device 28.4 on pci0
pci4: domain 0
pci4: secondary bus 68
pci4: subordinate bus 132
pci4: I/O decode 0x3000-0x4fff
pci4: memory decode 0x90700000-0x946ffff
pci4: no prefetched decode
pci4: Disable PCI Express hot-plug interrupts(0x0009)
pci68.pci4.pci0.pci0.legacy0.nexus0.root0
pci68: <PCI bus> [tentative] on pcib4
pci68: domain=0, physical bus=68
pci68: <PCI bus> [attached!] on pcib4
pci4: <MPTABLE PCI-PCI bridge> [attached!] irq 10 at device 28.4 on pci0
pci5.pci0.pci0.legacy0.nexus0.root0
pci5: <MPTABLE PCI-PCI bridge> [tentative] irq 11 at device 28.5 on pci0
pci5: domain 0
pci5: secondary bus 133
pci5: subordinate bus 133
pci5: I/O decode 0x2000-0x2fff
pci5: memory decode 0x90600000-0x906ffff
pci5: no prefetched decode
pci5: Disable PCI Express hot-plug interrupts(0x0009)
pci133.pci5.pci0.pci0.legacy0.nexus0.root0
pci133: <PCI bus> [tentative] on pcib5
pci133: domain=0, physical bus=133
found-> vendor=0x11ab, dev=0x436c, revid=0x10
domain=0, bus=133, slot=0, func=0
class=02-00-00, hdrtype=0x00, mfdev=0
cmdreg=0x0007, statreg=0x0010, cachelnsz=16 (dwords)
lattimer=0x00 (0 ns), mingnt=0x00 (0 ns), maxlat=0x00 (0 ns)
intpin=a, irq=11
powerspec 3 supports D0 D1 D2 D3 current D0
MSI supports 1 message, 64 bit
PCI Express ver.2 cap=0x0012[LEGDEV]
map[10]: type Memory, range 64, base 0x90600000, size 14, enabled

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pcib5: requested memory range 0x90600000-0x90603fff: good
map[18]: type I/O Port, range 32, base 0x2000, size 8, enabled
pcib5: requested I/O range 0x2000-0x20ff: in range
MPTABLE: fixed interrupt routing for 0:28 INTA
MPTABLE: 0:28 INTA routed to irq 11
pcib5: slot 0 INTA is routed to irq 11
mskc0.pci133.pci0.pci0.legacy0.nexus0.root0
mskc0: <Marvell Yukon 88E8072 Gigabit Ethernet> [tentative] port 0x2000-0x20ff mem 0x90600000-0x90603fff irq 11 at device 0.0 on pci133
mskc0: Reserved 0x4000 bytes for rid 0x10 type 3 at 0x90600000
mskc0: RAM buffer size : 0KB
msk0.mskc0.pci133.pci0.pci0.legacy0.nexus0.root0
msk0: <Marvell Technology Group Ltd. Yukon EX Id 0xb5 Rev 0x02> [tentative] on mskc0
alignment check failed
alignment check failed
miiibus0.msk0.mskc0.pci133.pci0.pci0.legacy0.nexus0.root0
miiibus0: <MII bus> [tentative] on msk0
e1000phy0.miiibus0.msk0.mskc0.pci133.pci0.pci0.legacy0.nexus0.root0
e1000phy0: <Marvell 88E1149 Gigabit PHY> [tentative] on miiibus0
e1000phy0: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, 1000baseT, 1000baseT-FDX, auto
e1000phy0: <Marvell 88E1149 Gigabit PHY> [attached!] on miiibus0
miiibus0: <MII bus> [attached!] on msk0
msk0: bpf attached
msk0: MAC address: 18:a9:05:cf:b6:67
msk0: <Marvell Technology Group Ltd. Yukon EX Id 0xb5 Rev 0x02> [attached!] on mskc0
mskc0: <Marvell Yukon 88E8072 Gigabit Ethernet> [attached!] port 0x2000-0x20ff mem 0x90600000-0x90603fff irq 11 at device 0.0 on pci133
pci133: <PCI bus> [attached!] on pcib5
pcib5: <MPTABLE PCI-PCI bridge> [attached!] irq 11 at device 28.5 on pci0
uhci3.pci0.pci0.legacy0.nexus0.root0
uhci3: <Intel 828011 (ICH9) USB controller> [tentative] port 0x7060-0x707f irq 10 at device 29.0 on pci0
uhci3: Reserved 0x20 bytes for rid 0x20 type 4 at 0x7060
usb4.uhci3.pci0.pci0.legacy0.nexus0.root0
usb4: <Intel 828011 (ICH9) USB controller> [tentative] on uhci3
usb4: USB revision 1.0
uhub4.usb4.uhci3.pci0.pci0.legacy0.nexus0.root0
uhub4: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> [tentative] on usb4
uhub4: 2 ports with 2 removable, self powered
uhub4: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> [attached!] on usb4
usb4: <Intel 828011 (ICH9) USB controller> [attached!] on uhci3
uhci3: <Intel 828011 (ICH9) USB controller> [attached!] port 0x7060-0x707f irq 10 at device 29.0 on pci0
uhci4.pci0.pci0.legacy0.nexus0.root0
uhci4: <Intel 828011 (ICH9) USB controller> [tentative] port 0x7040-0x705f irq 10 at device 29.1 on pci0
uhci4: Reserved 0x20 bytes for rid 0x20 type 4 at 0x7040
usb5.uhci4.pci0.pci0.legacy0.nexus0.root0
usb5: <Intel 828011 (ICH9) USB controller> [tentative] on uhci4
usb5: USB revision 1.0
uhub5.usb5.uhci4.pci0.pci0.legacy0.nexus0.root0
uhub5: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> [tentative] on usb5
uhub5: 2 ports with 2 removable, self powered
uhub5: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> [attached!] on usb5
usb5: <Intel 828011 (ICH9) USB controller> [attached!] on uhci4
uhci4: <Intel 828011 (ICH9) USB controller> [attached!] port 0x7040-0x705f irq 10 at device 29.1 on pci0
uhci5.pci0.pci0.legacy0.nexus0.root0
uhci5: <Intel 828011 (ICH9) USB controller> [tentative] port 0x7020-0x703f irq 10 at device 29.2 on pci0
uhci5: Reserved 0x20 bytes for rid 0x20 type 4 at 0x7020
usb6.uhci5.pci0.pci0.legacy0.nexus0.root0
usb6: <Intel 828011 (ICH9) USB controller> [tentative] on uhci5
usb6: USB revision 1.0
uhub6.usb6.uhci5.pci0.pci0.legacy0.nexus0.root0
uhub6: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> [tentative] on usb6
uhub6: 2 ports with 2 removable, self powered
uhub6: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> [attached!] on usb6
usb6: <Intel 828011 (ICH9) USB controller> [attached!] on uhci5
uhci5: <Intel 828011 (ICH9) USB controller> [attached!] port 0x7020-0x703f irq 10 at device 29.2 on pci0
ehci1.pci0.pci0.legacy0.nexus0.root0
ehci1: <EHCI (generic) USB 2.0 controller> [tentative] mem 0x98904800-0x98904bff irq 10 at device 29.7 on pci0

ehci1: Reserved 0x400 bytes for rid 0x10 type 3 at 0x98904800
usb7: EHCI version 1.0
usb7: companion controllers, 2 ports each: usb4 usb5 usb6
usb7.ehci1.pci0.pci0.legacy0.nexus0.root0
usb7: <EHCI (generic) USB 2.0 controller> [tentative] on ehci1
usb7: USB revision 2.0
uhub7.usb7.ehci1.pci0.pci0.legacy0.nexus0.root0
uhub7: <Intel EHCI root hub, class 9/0, rev 2.00/1.00, addr 1> [tentative] on usb7
uhub7: 6 ports with 6 removable, self powered
uhub7: <Intel EHCI root hub, class 9/0, rev 2.00/1.00, addr 1> [attached!] on usb7
usb7: <EHCI (generic) USB 2.0 controller> [attached!] on ehci1
ehci1: <EHCI (generic) USB 2.0 controller> [attached!] mem 0x98904800-0x98904bff irq 10 at device 29.7 on pci0
pci6.pci0.pci0.legacy0.nexus0.root0
pci6: <MPTABLE PCI-PCI bridge> [tentative] at device 30.0 on pci0
pci6: domain 0
pci6: secondary bus 134
pci6: subordinate bus 134
pci6: I/O decode 0xf000-0xffff
pci6: memory decode 0x90500000-0x905fffff
pci6: no prefetched decode
pci6: Subtractively decoded bridge.
pci134.pci6.pci0.pci0.legacy0.nexus0.root0
pci134: <PCI bus> [tentative] on pci6
pci134: domain=0, physical bus=134
pci134: <PCI bus> [attached!] on pci6
pci6: <MPTABLE PCI-PCI bridge> [attached!] at device 30.0 on pci0
isab0.pci0.pci0.legacy0.nexus0.root0
isab0: <PCI-ISA bridge> [tentative] at device 31.0 on pci0
isa0.isab0.pci0.pci0.legacy0.nexus0.root0
isa0: <ISA bus> [tentative] on isab0
isa0: <ISA bus> [attached!] on isab0
isab0: <PCI-ISA bridge> [attached!] at device 31.0 on pci0
ahci0.pci0.pci0.legacy0.nexus0.root0
ahci0: <AHCI-PCI-SATA> [tentative] port 0x7000-0x701f,0x70f8-0x70fb,0x70e0-0x70e7,0x70fc-0x70ff,0x70e8-0x70ef mem
0x98904000-0x989047ff irq 10 at device 31.2 on pci0
ahci0: attempting to allocate 1 MSI vector (16 supported)
alloc MSI intr 24 on cpu0
ahci0: using IRQ 24 on cpu0 for MSI
ahci0: Reserved 0x800 bytes for rid 0x24 type 3 at 0x98904000
ahci0: Intel hocus pocus
ahci0: AHCI 1.2 capabilities 0xef20fc3<S64A,NCQ,SSNTF,SSS,SALP,SAL,SCLO,PMD,SSC,PSC,CCCS,EMS>, 4 ports, 32
tags/port, gen 2 (3Gbps)
ahci0.0: Caps 4<POD>
ahci0.1: Caps 4<POD>
ahci0.5: Caps 40004<HPCP,POD>
ahci0.1: START HARDRESET
ahci0.0: START HARDRESET
map MSI intr 24 on cpu0
ahci0.5: START HARDRESET
ahci0.0: END HARDRESET 0
ahci0.1: END HARDRESET 0
ahci0.0: START SOFTRESET c017<CR,FR,FRE,POD,SUD,ST>
ahci0.1: START SOFTRESET c017<CR,FR,FRE,POD,SUD,ST>
ahci0.1: sig eb140101
ahci0.0: sig 00000101
ahci0.1: END SOFTRESET
ahci0.0: END SOFTRESET
ahci0.0: Found DISK "ST9250410AS 0006HPM1" serial="5VG1L845"
ahci0.0: tags=32/32 satacap=0d06 satafea=004c NCQ=YES capacity=238475.17MB
ahci0.0: f85=3069 f86=bc09 f87=6123 WC=enabled RA=enabled SEC=frozen
ahci0.0: Set dummy xfer mode to 45
(probe0:ahci0:0:1:0): error 22
(probe0:ahci0:0:1:0): Unretryable Error
(probe0:ahci0:0:2:0): error 22
(probe0:ahci0:0:2:0): Unretryable Error
(probe0:ahci0:0:3:0): error 22
(probe0:ahci0:0:3:0): Unretryable Error

(probe0:ahci0:0:4:0): error 22
(probe0:ahci0:0:4:0): Unretryable Error
(probe0:ahci0:0:5:0): error 22
(probe0:ahci0:0:5:0): Unretryable Error
(probe0:ahci0:0:6:0): error 22
(probe0:ahci0:0:6:0): Unretryable Error
(probe0:ahci0:0:7:0): error 22
(probe0:ahci0:0:7:0): Unretryable Error
(probe0:ahci0:0:8:0): error 22
(probe0:ahci0:0:8:0): Unretryable Error
(probe0:ahci0:0:9:0): error 22
(probe0:ahci0:0:9:0): Unretryable Error
(probe0:ahci0:0:10:0): error 22
(probe0:ahci0:0:10:0): Unretryable Error
(probe0:ahci0:0:11:0): error 22
(probe0:ahci0:0:11:0): Unretryable Error
(probe0:ahci0:0:12:0): error 22
(probe0:ahci0:0:12:0): Unretryable Error
(probe0:ahci0:0:13:0): error 22
(probe0:ahci0:0:13:0): Unretryable Error
(probe0:ahci0:0:14:0): error 22
(probe0:ahci0:0:14:0): Unretryable Error
ahci0.1: Found ATAPI "hp DVDRAM GT20L DC05" serial="M3Z9AM20223"
ahci0.1: tags=0/32 satacap=0402 satafea=0068 NCQ=NO capacity=1.00MB
ahci0.1: f85=4210 f86=0000 f87=4000 WC=notsupp RA=notsupp SEC=notsupp
ahci0.1: Set dummy xfer mode to 45
ahci0.1: TFES slot 5 ci_saved = 00000020
ahci0.1: Copying rfis slot 5
ahci0.1: Shortening sense request
(probe0:ahci0:1:0:0): Retrying Command
(probe0:ahci0:1:0:0): error 22
(probe0:ahci0:1:0:0): Unretryable Error
ahci0.1: TFES slot 7 ci_saved = 00000080
ahci0.1: Copying rfis slot 7
(probe0:ahci0:1:1:0): error 22
(probe0:ahci0:1:1:0): Unretryable Error
(probe0:ahci0:1:2:0): error 22
(probe0:ahci0:1:2:0): Unretryable Error
(probe0:ahci0:1:3:0): error 22
(probe0:ahci0:1:3:0): Unretryable Error
(probe0:ahci0:1:4:0): error 22
(probe0:ahci0:1:4:0): Unretryable Error
(probe0:ahci0:1:5:0): error 22
(probe0:ahci0:1:5:0): Unretryable Error
(probe0:ahci0:1:6:0): error 22
(probe0:ahci0:1:6:0): Unretryable Error
(probe0:ahci0:1:7:0): error 22
(probe0:ahci0:1:7:0): Unretryable Error
(probe0:ahci0:1:8:0): error 22
(probe0:ahci0:1:8:0): Unretryable Error
(probe0:ahci0:1:9:0): error 22
(probe0:ahci0:1:9:0): Unretryable Error
(probe0:ahci0:1:10:0): error 22
(probe0:ahci0:1:10:0): Unretryable Error
(probe0:ahci0:1:11:0): error 22
(probe0:ahci0:1:11:0): Unretryable Error
(probe0:ahci0:1:12:0): error 22
(probe0:ahci0:1:12:0): Unretryable Error
(probe0:ahci0:1:13:0): error 22
(probe0:ahci0:1:13:0): Unretryable Error
(probe0:ahci0:1:14:0): error 22
(probe0:ahci0:1:14:0): Unretryable Error
ahci0.5: Port appears to be unplugged
ahci0.5: No device detected
ahci0.5: END HARDRESET 19
(probe0:ahci0:5:0:0): error 22
(probe0:ahci0:5:0:0): Unretryable Error

(probe0:ahci0:5:1:0): error 22
(probe0:ahci0:5:1:0): Unretryable Error
(probe0:ahci0:5:2:0): error 22
(probe0:ahci0:5:2:0): Unretryable Error
(probe0:ahci0:5:3:0): error 22
(probe0:ahci0:5:3:0): Unretryable Error
(probe0:ahci0:5:4:0): error 22
(probe0:ahci0:5:4:0): Unretryable Error
(probe0:ahci0:5:5:0): error 22
(probe0:ahci0:5:5:0): Unretryable Error
(probe0:ahci0:5:6:0): error 22
(probe0:ahci0:5:6:0): Unretryable Error
(probe0:ahci0:5:7:0): error 22
(probe0:ahci0:5:7:0): Unretryable Error
(probe0:ahci0:5:8:0): error 22
(probe0:ahci0:5:8:0): Unretryable Error
(probe0:ahci0:5:9:0): error 22
(probe0:ahci0:5:9:0): Unretryable Error
(probe0:ahci0:5:10:0): error 22
(probe0:ahci0:5:10:0): Unretryable Error
(probe0:ahci0:5:11:0): error 22
(probe0:ahci0:5:11:0): Unretryable Error
(probe0:ahci0:5:12:0): error 22
(probe0:ahci0:5:12:0): Unretryable Error
(probe0:ahci0:5:13:0): error 22
(probe0:ahci0:5:13:0): Unretryable Error
(probe0:ahci0:5:14:0): error 22
(probe0:ahci0:5:14:0): Unretryable Error
ahci0: <AHCI-PCI-SATA> [attached!] port 0x7000-0x701f,0x70f8-0x70fb,0x70e0-0x70e7,0x70fc-0x70ff,0x70e8-0x70ef mem
0x98904000-0x989047ff irq 24,10 at device 31.2 on pci0
pci0: <PCI bus> [attached!] on pcib0
pcib0: <MPTABLE Host-PCI bridge> [attached!] pcibus 0 on motherboard
Trying Read_Port at 203
Trying Read_Port at 243
Trying Read_Port at 283
Trying Read_Port at 2c3
Trying Read_Port at 303
Trying Read_Port at 343
Trying Read_Port at 383
Trying Read_Port at 3c3
ex_isa_identify()
isa_probe_children: disabling PnP devices
isa_probe_children: probing non-PnP devices
orm0.isa0.isab0.pci0.pci0.legacy0.nexus0.root0
orm0: <Option ROMs> [tentative] at iomem 0xd0000-0xd0fff,0xd1000-0xd1fff on isa0
orm0: <Option ROMs> [attached!] at iomem 0xd0000-0xd0fff,0xd1000-0xd1fff on isa0
adv0 [tentative] failed to probe on isa0
bt0: Failed Status Reg Test - ff
bt_isa_probe: Probe failed at 0x330
bt0: Failed Status Reg Test - ff
bt_isa_probe: Probe failed at 0x334
bt0: Failed Status Reg Test - ff
bt_isa_probe: Probe failed at 0x230
bt0: Failed Status Reg Test - ff
bt_isa_probe: Probe failed at 0x234
bt0: Failed Status Reg Test - ff
bt_isa_probe: Probe failed at 0x130
bt0: Failed Status Reg Test - ff
bt_isa_probe: Probe failed at 0x134
bt0 [tentative] failed to probe at port 0x134-0x137 on isa0
atkbd0.isa0.isab0.pci0.pci0.legacy0.nexus0.root0
atkbd0: <Keyboard controller (i8042)> [tentative] at port 0x60,0x64 on isa0
atkbd0.atkbd0.isa0.isab0.pci0.pci0.legacy0.nexus0.root0
atkbd0: <AT Keyboard> [tentative] flags 0x1 irq 1 on atkbd0
atkbd: the current kbd controller command byte 0067
atkbd: keyboard ID 0x41ab (2)
kbd0 at atkbd0

```

kbd0: atkbd0, AT 101/102 (2), config:0x1, flags:0x3d0000
atkbd0: <AT Keyboard> [attached!] flags 0x1 irq 1 on atkbd0
psm0: current command byte:0067
psm0.atkbd0.isa0.isab0.pci0.pci0.legacy0.nexus0.root0
psm0: <PS/2 Mouse> [tentative] irq 12 on atkbd0
psm0: model Generic PS/2 mouse, device ID 0-00, 2 buttons
psm0: config:00000000, flags:00000008, packet size:3
psm0: syncmask:c0, syncbits:00
psm0: <PS/2 Mouse> [attached!] irq 12 on atkbd0
atkbd0: <Keyboard controller (i8042)> [attached!] at port 0x60,0x64 on isa0
vga0.isa0.isab0.pci0.pci0.legacy0.nexus0.root0
vga0: <Generic ISA VGA> [tentative] at port 0x3c0-0x3df iomem 0xa0000-0xbfff on isa0
fb0: vga0, vga, type:VGA (5), flags:0x7007f
fb0: port:0x3c0-0x3df, mem:0xa0000 0x20000
fb0: init mode:24, bios mode:3, current mode:24
fb0: window:0xfffff800b8000 size:32k gran:32k, buf:0 size:32k
VGA parameters upon power-up
50 18 10 00 00 00 03 00 02 67 5f 4f 50 82 55 81
bf 1f 00 4f 0d 0e 00 00 07 80 9c 8e 8f 28 1f 96
b9 a3 ff 00 01 02 03 04 05 14 07 38 39 3a 3b 3c
3d 3e 3f 0c 00 0f 08 00 00 00 00 00 10 0e 00 ff
VGA parameters in BIOS for mode 24
50 18 10 00 10 00 03 00 02 67 5f 4f 50 82 55 81
bf 1f 00 4f 0d 0e 00 00 00 00 9c 8e 8f 28 1f 96
b9 a3 ff 00 01 02 03 04 05 14 07 38 39 3a 3b 3c
3d 3e 3f 0c 00 0f 08 00 00 00 00 00 10 0e 00 ff
VGA parameters to be used for mode 24
50 18 10 00 10 00 03 00 02 67 5f 4f 50 82 55 81
bf 1f 00 4f 0d 0e 00 00 00 00 9c 8e 8f 28 1f 96
b9 a3 ff 00 01 02 03 04 05 14 07 38 39 3a 3b 3c
3d 3e 3f 0c 00 0f 08 00 00 00 00 00 10 0e 00 ff
vga0: <Generic ISA VGA> [attached!] at port 0x3c0-0x3df iomem 0xa0000-0xbfff on isa0
sc0.isa0.isab0.pci0.pci0.legacy0.nexus0.root0
sc0: <System console> [tentative] at flags 0x100 on isa0
sc0: VGA <16 virtual consoles, flags=0x300>
sc0: fb0, kbd1, terminal emulator: sc (syscons terminal)
sc0: <System console> [attached!] at flags 0x100 on isa0
lm0 [tentative] failed to probe at port 0x290-0x297 on isa0
it0 [tentative] failed to probe at port 0x290-0x297 on isa0
it1 [tentative] failed to probe at port 0xc00-0xc07 on isa0
it2 [tentative] failed to probe at port 0xd00-0xd07 on isa0
it3 [tentative] failed to probe at port 0x228-0x22f on isa0
wbsio0 [tentative] failed to probe at port 0x2e-0x2f on isa0
wbsio1 [tentative] failed to probe at port 0x4e-0x4f on isa0
sio0: can't drain, serial port might not exist, disabling
sio0 [tentative] failed to probe at port 0x3f8-0x3ff irq 4 flags 0x10 on isa0
sio1: can't drain, serial port might not exist, disabling
sio1 [tentative] failed to probe at port 0x2f8-0x2ff irq 3 on isa0
sio2: not probed (disabled)
sio3: not probed (disabled)
ppc0: cannot reserve I/O port range
ppc0: <Parallel port> [tentative] failed to probe at irq 7 on isa0
ed0: not probed (disabled)
lnc0: not probed (disabled)
cs0: not probed (disabled)
sn0: not probed (disabled)
isa_probe_children: probing PnP devices
ndepotmags=6 x mag_cap=22 for nameibufs
ndepotmags=6 x mag_cap=22 for NFS mount
ndepotmags=6 x mag_cap=22 for NFS node
ndepotmags=6 x mag_cap=46 for vnodes
lo0: bpf attached
ppp0: bpf attached
sl0: bpf attached
ndepotmags=6 x mag_cap=22 for UFS dirhash
faith0: bpf attached
hptrr: no controller detected.

```

hpt27xx: no controller detected.
CAM: Configuring bus: ahci0
CAM: Configuring bus: ahci0
CAM: Configuring bus: ahci0
CAM: Configuring 3 busses
(probe0:ahci0:0:1:0): error 22
(probe0:ahci0:0:1:0): Unretryable Error
(probe0:ahci0:0:2:0): error 22
(probe0:ahci0:0:2:0): Unretryable Error
(probe0:ahci0:0:3:0): error 22
(probe0:ahci0:0:3:0): Unretryable Error
(probe0:ahci0:0:4:0): error 22
(probe0:ahci0:0:4:0): Unretryable Error
(probe0:ahci0:0:5:0): error 22
(probe0:ahci0:0:5:0): Unretryable Error
(probe0:ahci0:0:6:0): error 22
(probe0:ahci0:0:6:0): Unretryable Error
(probe0:ahci0:0:7:0): error 22
(probe0:ahci0:0:7:0): Unretryable Error
(probe0:ahci0:0:8:0): error 22
(probe0:ahci0:0:8:0): Unretryable Error
(probe0:ahci0:0:9:0): error 22
(probe0:ahci0:0:9:0): Unretryable Error
(probe0:ahci0:0:10:0): error 22
(probe0:ahci0:0:10:0): Unretryable Error
(probe0:ahci0:0:11:0): error 22
(probe0:ahci0:0:11:0): Unretryable Error
(probe0:ahci0:0:12:0): error 22
(probe0:ahci0:0:12:0): Unretryable Error
(probe0:ahci0:0:13:0): error 22
(probe0:ahci0:0:13:0): Unretryable Error
(probe0:ahci0:0:14:0): error 22
(probe0:ahci0:0:14:0): Unretryable Error
CAM: Finished configuring bus: ahci0
(probe2:ahci0:5:0:0): error 22
(probe2:ahci0:5:0:0): Unretryable Error
(probe0:ahci0:5:1:0): error 22
(probe0:ahci0:5:1:0): Unretryable Error
(probe0:ahci0:5:2:0): error 22
(probe0:ahci0:5:2:0): Unretryable Error
(probe0:ahci0:5:3:0): error 22
(probe0:ahci0:5:3:0): Unretryable Error
(probe0:ahci0:5:4:0): error 22
(probe0:ahci0:5:4:0): Unretryable Error
(probe0:ahci0:5:5:0): error 22
(probe0:ahci0:5:5:0): Unretryable Error
(probe0:ahci0:5:6:0): error 22
(probe0:ahci0:5:6:0): Unretryable Error
(probe0:ahci0:5:7:0): error 22
(probe0:ahci0:5:7:0): Unretryable Error
(probe0:ahci0:5:8:0): error 22
(probe0:ahci0:5:8:0): Unretryable Error
(probe0:ahci0:5:9:0): error 22
(probe0:ahci0:5:9:0): Unretryable Error
(probe0:ahci0:5:10:0): error 22
(probe0:ahci0:5:10:0): Unretryable Error
(probe0:ahci0:5:11:0): error 22
(probe0:ahci0:5:11:0): Unretryable Error
(probe0:ahci0:5:12:0): error 22
(probe0:ahci0:5:12:0): Unretryable Error
(probe0:ahci0:5:13:0): error 22
(probe0:ahci0:5:13:0): Unretryable Error
(probe0:ahci0:5:14:0): error 22
(probe0:ahci0:5:14:0): Unretryable Error
CAM: Finished configuring bus: ahci0
ahci0.1: TFES slot 8 ci_saved = 00000100
ahci0.1: Copying rfis slot 8

ahci0.1: TFES slot 11 ci_saved = 00000800
ahci0.1: Copying rfis slot 11
ahci0.1: Shortening sense request
(probe1:ahci0:1:0:0): Retrying Command
(probe1:ahci0:1:0:0): error 22
(probe1:ahci0:1:0:0): Unretryable Error
ahci0.1: TFES slot 13 ci_saved = 00002000
ahci0.1: Copying rfis slot 13
(probe0:ahci0:1:1:0): error 22
(probe0:ahci0:1:1:0): Unretryable Error
(probe0:ahci0:1:2:0): error 22
(probe0:ahci0:1:2:0): Unretryable Error
(probe0:ahci0:1:3:0): error 22
(probe0:ahci0:1:3:0): Unretryable Error
(probe0:ahci0:1:4:0): error 22
(probe0:ahci0:1:4:0): Unretryable Error
(probe0:ahci0:1:5:0): error 22
(probe0:ahci0:1:5:0): Unretryable Error
(probe0:ahci0:1:6:0): error 22
(probe0:ahci0:1:6:0): Unretryable Error
(probe0:ahci0:1:7:0): error 22
(probe0:ahci0:1:7:0): Unretryable Error
(probe0:ahci0:1:8:0): error 22
(probe0:ahci0:1:8:0): Unretryable Error
(probe0:ahci0:1:9:0): error 22
(probe0:ahci0:1:9:0): Unretryable Error
(probe0:ahci0:1:10:0): error 22
(probe0:ahci0:1:10:0): Unretryable Error
(probe0:ahci0:1:11:0): error 22
(probe0:ahci0:1:11:0): Unretryable Error
(probe0:ahci0:1:12:0): error 22
(probe0:ahci0:1:12:0): Unretryable Error
(probe0:ahci0:1:13:0): error 22
(probe0:ahci0:1:13:0): Unretryable Error
(probe0:ahci0:1:14:0): error 22
(probe0:ahci0:1:14:0): Unretryable Error
CAM: Finished configuring bus: ahci0
CAM: finished configuring all busses
no B_DEVMAGIC (bootdev=0)
pass0 at ahci0 bus 0 target 0 lun 0
ATA PseudoRAID loaded
pass0: <SATA ST9250410AS 0006> Fixed Direct Access SCSI-4 device
pass0: Serial Number 5VG1L845
pass0: 300.000MB/s transfers
pass1 at ahci0 bus 1 target 0 lun 0
pass1: <hp DVDROM GT20L DC05> Removable CD-ROM SCSI-0 device
pass1: 150.000MB/s transfers
sg0 at ahci0 bus 0 target 0 lun 0
sg0: <SATA ST9250410AS 0006> Fixed Direct Access SCSI-4 device
sg0: Serial Number 5VG1L845
sg0: 300.000MB/s transfers
sg1 at ahci0 bus 1 target 0 lun 0
sg1: <hp DVDROM GT20L DC05> Removable CD-ROM SCSI-0 device
sg1: 150.000MB/s transfers
No policy for da0 specified, or policy not found
disk scheduler: set policy of da0 to noop
No policy for cd0 specified, or policy not found
disk scheduler: set policy of cd0 to noop
da0 at ahci0 bus 0 target 0 lun 0
da0: <SATA ST9250410AS 0006> Fixed Direct Access SCSI-4 device
da0: Serial Number 5VG1L845
da0: 300.000MB/s transfers
da0: 238475MB (488397168 512 byte sectors: 255H 63S/T 30401C)
ahci0.1: TFES slot 14 ci_saved = 00004000
ahci0.1: Copying rfis slot 14
ahci0.1: Shortening sense request
(cd0:ahci0:1:0:0): Retrying Command


```
(cd0:ahci0:1:0:0): error 6
(cd0:ahci0:1:0:0): Unretryable Error
cd0 at ahci0 bus 1 target 0 lun 0
cd0: <hp DVDROM GT20L DC05> Removable CD-ROM SCSI-0 device
cd0: 150.000MB/s transfers
cd0: Attempt to query device size failed: NOT READY, Medium not present - tray closed
da0: type 0xa5, start 63, end = 488388095, size 488388033 : OK
Mounting root from hammer:serno/5VG1L845.s1d
HAMMER(ROOT) recovery check seqno=0010ca77
HAMMER(ROOT) recovery range 3000000001dea7b8-3000000001dea7b8
HAMMER(ROOT) recovery nexto 3000000001dea7b8 endseqno=0010ca78
HAMMER(ROOT) mounted clean, no recovery needed
DMA space used: 4208k, remaining available: 16384k
Mounting devfs
start_init: trying /sbin/init
```

History

#1 - 06/03/2014 08:54 AM - tuxillo

- Description updated
- Category set to Networking
- Status changed from New to Feedback
- Target version set to 3.9.x

Hi,

Do we have any chance to test this again?

Cheers,
Antonio Huete

#2 - 11/14/2014 01:16 PM - cnb

I'm my case is worse, I have general dynamics gobook-vr2 that have the same issues with the msk0 driver. Also with the iwn driver the interface does not works always fails with the message could not load firmware (4965 firmware). Adding the line to the loader.conf fixes both issues.

#3 - 01/14/2015 04:30 PM - tuxillo

- Target version changed from 3.9.x to 4.2.x

Hi,

The workaround available is disabling IO APIC in the loader. Adding this line to /boot/loader.conf

```
hw.ioapic_enable=0
```

I'm not sure if we can do anything else on this issue.

Cheers,
Antonio Huete

#4 - 01/15/2015 12:22 AM - swildner

The dmesg is with a broken ACPI module unfortunately:

```
Preloaded elf kernel "kernel" at 0xffffffff83008000.
Preloaded elf obj module "acpi.ko" at 0xffffffff83008550.
Preloaded elf obj module "ehci.ko" at 0xffffffff83008ee8.
link_elf_obj_obj: symbol atomic_swap_int undefined
KLD file acpi.ko - could not finalize loading
```

I think unless we get feedback from e.g. a current snapshot or release, this issue could be closed, because we can't guarantee a properly working system without ACPI loaded.

#5 - 01/18/2015 10:41 AM - thowe

I will try a recent snap on the same laptop soon.

--TimH