

usb_insert_transfer panic with if_zyd

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/current/2007-10/msg00335.html>

- *From:* Lars Engels <lme@xxxxxxxxxxx>
 - *Date:* Sat, 6 Oct 2007 21:32:59 +0200
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When I use my ZyXEL G-220 Wireless USB Stick with the if_zyd driver, I get a usb_insert_transfer panic after some traffic went trough.

The mainboard is an Asus P5K with Intel P35 chipset.

FreeBSD version:

FreeBSD dhcpc2 7.0-CURRENT FreeBSD 7.0-CURRENT #1: Thu Oct 4 22:15:47 CEST 2007 root@dhcpc1:/usr/obj/usr/src/sys/GENERIC i386

Attached is the backtrace, dmesg and the output of pciconf and usbdevs.

Lars

Unread portion of the kernel message buffer:

panic: usb_insert_transfer

cpuid = 0

KDB: enter: panic

panic: from debugger

cpuid = 0

Uptime: 5m25s

Physical memory: 2034 MB

Dumping 116 MB: 101 85 69 53 37 21 5

#0 doadump () at pcpu.h:195

195 pcpu.h: No such file or directory.

in pcpu.h

(kgdb) bt

#0 doadump () at pcpu.h:195

#1 0xc074d7ae in boot (howto=260) at /usr/src/sys/kern/kern_shutdown.c:409

#2 0xc074da6b in panic (fmt=Variable "fmt" is not available.

) at /usr/src/sys/kern/kern_shutdown.c:563

#3 0xc048cab7 in db_panic (addr=Could not find the frame base for "db_panic".

) at /usr/src/sys/ddb/db_command.c:433

#4 0xc048d4a5 in db_command_loop () at /usr/src/sys/ddb/db_command.c:401

#5 0xc048ec15 in db_trap (type=3, code=0) at /usr/src/sys/ddb/db_main.c:222

#6 0xc07746f6 in kdb_trap (type=3, code=0, tf=0xe7c277b0) at /usr/src/sys/kern/subr_kdb.c:502

#7 0xc0a0285b in trap (frame=0xe7c277b0) at /usr/src/sys/i386/i386/trap.c:621

#8 0xc09e824b in calltrap () at /usr/src/sys/i386/i386/exception.s:139

#9 0xc0774872 in kdb_enter (msg=0xc0a99113 "panic") at cpufunc.h:60

#10 0xc074da54 in panic (fmt=0xc0a8de0d "usb_insert_transfer") at /usr/src/sys/kern/kern_shutdown.c:547

#11 0xc06ce97c in usb_insert_transfer (xfer=0xc1436b3e) at /usr/src/sys/dev/usb/usbdi.c:1010

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```
#12 0xc06a3b32 in ehci_device_bulk_transfer (xfer=0xc563f200) at /usr/src/sys/dev/usb/ehci.c:2993
#13 0xc06ceddb in usbd_start_transfer (arg=0xc563f200, segs=0xc563f23c, nseg=1, error=0) at
/usr/src/sys/dev/usb/usbdi.c:388
#14 0xc06cf375 in usbd_transfer (xfer=0xc563f200) at /usr/src/sys/dev/usb/usbdi.c:320
#15 0xc0d28408 in ?? ()
#16 0xc563f200 in ?? ()
#17 0xc59d1c80 in ?? ()
#18 0xc5f8952c in ?? ()
#19 0xc56d8000 in ?? ()
#20 0x00000613 in ?? ()
#21 0x00000009 in ?? ()
#22 0x00002710 in ?? ()
#23 0xc0d286b0 in ?? ()
#24 0xc5f8952c in ?? ()
#25 0xc5f891bc in ?? ()
#26 0x00000003 in ?? ()
#27 0xc5f88008 in ?? ()
#28 0xe7c2790c in ?? ()
#29 0x00000246 in ?? ()
#30 0xc56be6c8 in ?? ()
#31 0xc0aa5a5b in ?? ()
#32 0x0000060c in ?? ()
#33 0xc5277400 in ?? ()
#34 0x060cdc18 in ?? ()
#35 0x00000608 in ?? ()
#36 0xc56be6c8 in ?? ()
#37 0xc0b4b564 in M_MTXPOOL_init_sys_init ()
#38 0xc0aa5a5b in ?? ()
#39 0xc527750c in ?? ()
#40 0x01010195 in ?? ()
#41 0xc0aa5a5b in ?? ()
#42 0xc6d6cc00 in ?? ()
#43 0xc5ff1000 in ?? ()
#44 0xc5277400 in ?? ()
#45 0xc5277400 in ?? ()
#46 0xc527750c in ?? ()
#47 0xe7c27930 in ?? ()
#48 0xc07dc769 in if_start (ifp=0xc5277400) at /usr/src/sys/net/if.c:2704
Previous frame identical to this frame (corrupt stack?)
```

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FreeBSD 7.0–CURRENT #1: Thu Oct 4 22:15:47 CEST 2007

root@dhcpc1:/usr/obj/usr/src/sys/GENERIC

WARNING: WITNESS option enabled, expect reduced performance.

Timecounter "i8254" frequency 1193182 Hz quality 0

CPU: Intel(R) Core(TM)2 Duo CPU E6750 @ 2.66GHz (2671.62–MHz 686–class CPU)

Origin = "GenuineIntel" Id = 0x6fb Stepping = 11

Features=0xbfebfbff<FPU,VME,DE,PSE,TSC,MSR,PAE,MCE,CX8,APIC,SEP,MTRR,PGE,MCA,CMOV,PAT,PSE

usb_insert_transfer panic with if_zyd

Features2=0xe3fd<SSE3,RSVD2,MON,DS_CPL,VMX,SMX,EST,TM2,SSSE3,CX16,xTPR,PDCM>
AMD Features=0x20100000<NX,LM>
AMD Features2=0x1<LAHF>
Cores per package: 2
real memory = 2146959360 (2047 MB)
avail memory = 2091413504 (1994 MB)
ACPI APIC Table: <A_M_I_OEMAPIC >
FreeBSD/SMP: Multiprocessor System Detected: 2 CPUs
cpu0 (BSP): APIC ID: 0
cpu1 (AP): APIC ID: 1
ioapic0 <Version 2.0> irqs 0–23 on motherboard
kbd1 at kbdmux0
ath_hal: 0.9.20.3 (AR5210, AR5211, AR5212, RF5111, RF5112, RF2413, RF5413)
acpi0: <A_M_I_OEMXSDT> on motherboard
acpi0: [ITHREAD]
acpi_hpet0: <High Precision Event Timer> iomem 0xfed00000–0xfed003ff on acpi0
Timecounter "HPET" frequency 14318180 Hz quality 900
acpi0: Power Button (fixed)
acpi0: reservation of 0, a0000 (3) failed
acpi0: reservation of 100000, 7ff00000 (3) failed
Timecounter "ACPI-fast" frequency 3579545 Hz quality 1000
acpi_timer0: <24-bit timer at 3.579545MHz> port 0x808–0x80b on acpi0
cpu0: <ACPI CPU> on acpi0
ACPI Warning (tbutils-0243): Incorrect checksum in table [OEMB] – DE, should be DD [20070320]
est0: <Enhanced SpeedStep Frequency Control> on cpu0
p4tcc0: <CPU Frequency Thermal Control> on cpu0
cpu1: <ACPI CPU> on acpi0
est1: <Enhanced SpeedStep Frequency Control> on cpu1
p4tcc1: <CPU Frequency Thermal Control> on cpu1
pcib0: <ACPI Host-PCI bridge> port 0xcf8–0xcff on acpi0
pci0: <ACPI PCI bus> on pcib0
pcib1: <ACPI PCI-PCI bridge> irq 16 at device 1.0 on pci0
pci1: <ACPI PCI bus> on pcib1
vgapci0: <VGA-compatible display> port 0xcc00–0xcc7f mem
0xfd000000–0xfdffffff,0xd0000000–0xdfffffff,0xfa000000–0xfbffffff irq 16 at device 0.0 on pci1
uhci0: <UHCI (generic) USB controller> port 0xb800–0xb81f irq 16 at device 26.0 on pci0
uhci0: [GIANT-LOCKED]
uhci0: [ITHREAD]
usb0: <UHCI (generic) USB controller> on uhci0
usb0: USB revision 1.0
uhub0: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> on usb0
uhub0: 2 ports with 2 removable, self powered
uhci1: <UHCI (generic) USB controller> port 0xb880–0xb89f irq 21 at device 26.1 on pci0
uhci1: [GIANT-LOCKED]
uhci1: [ITHREAD]
usb1: <UHCI (generic) USB controller> on uhci1
usb1: USB revision 1.0
uhub1: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> on usb1
uhub1: 2 ports with 2 removable, self powered
uhci2: <UHCI (generic) USB controller> port 0xbc00–0xbc1f irq 18 at device 26.2 on pci0
uhci2: [GIANT-LOCKED]

usb_insert_transfer panic with if_zyd

uhci2: [IThread]
usb2: <UHCI (generic) USB controller> on uhci2
usb2: USB revision 1.0
uhub2: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> on usb2
uhub2: 2 ports with 2 removable, self powered
ehci0: <EHCI (generic) USB 2.0 controller> mem 0xf9fffc00-0xf9ffffff irq 18 at device 26.7 on pci0
ehci0: [GIANT-LOCKED]
ehci0: [IThread]
usb3: EHCI version 1.0
usb3: companion controllers, 2 ports each: usb0 usb1 usb2
usb3: <EHCI (generic) USB 2.0 controller> on ehci0
usb3: USB revision 2.0
uhub3: <Intel EHCI root hub, class 9/0, rev 2.00/1.00, addr 1> on usb3
uhub3: 6 ports with 6 removable, self powered
pci0: <multimedia> at device 27.0 (no driver attached)
pcib2: <ACPI PCI-PCI bridge> irq 17 at device 28.0 on pci0
pci4: <ACPI PCI bus> on pcib2
pcib3: <ACPI PCI-PCI bridge> irq 17 at device 28.4 on pci0
pci3: <ACPI PCI bus> on pcib3
atapci0: <JMicron JMB363 SATA300 controller> mem 0xfeafe000-0xfeafffff irq 16 at device 0.0 on pci3
atapci0: AHCI Version 01.00 controller with 2 ports detected
ata0: <ATA channel 0> on atapci0
ata0: [IThread]
ata1: <ATA channel 1> on atapci0
ata1: [IThread]
atapci1: <JMicron JMB363 UDMA133 controller> port
0xdc00-0xdc07,0xd880-0xd883,0xd800-0xd807,0xd480-0xd483,0xd400-0xd40f at device 0.1 on pci3
atapci1: [IThread]
ata2: <ATA channel 0> on atapci1
ata2: [IThread]
pcib4: <ACPI PCI-PCI bridge> irq 16 at device 28.5 on pci0
pci2: <ACPI PCI bus> on pcib4
pci2: <network, ethernet> at device 0.0 (no driver attached)
uhci3: <UHCI (generic) USB controller> port 0xb080-0xb09f irq 23 at device 29.0 on pci0
uhci3: [GIANT-LOCKED]
uhci3: [IThread]
usb4: <UHCI (generic) USB controller> on uhci3
usb4: USB revision 1.0
uhub4: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> on usb4
uhub4: 2 ports with 2 removable, self powered
uhci4: <UHCI (generic) USB controller> port 0xb400-0xb41f irq 19 at device 29.1 on pci0
uhci4: [GIANT-LOCKED]
uhci4: [IThread]
usb5: <UHCI (generic) USB controller> on uhci4
usb5: USB revision 1.0
uhub5: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> on usb5
uhub5: 2 ports with 2 removable, self powered
uhci5: <UHCI (generic) USB controller> port 0xb480-0xb49f irq 18 at device 29.2 on pci0
uhci5: [GIANT-LOCKED]
uhci5: [IThread]
usb6: <UHCI (generic) USB controller> on uhci5

usb_insert_transfer panic with if_zyd

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usb6: USB revision 1.0
uhub6: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> on usb6
uhub6: 2 ports with 2 removable, self powered
ehci1: <EHCI (generic) USB 2.0 controller> mem 0xf9fff800-0xf9fffbff irq 23 at device 29.7 on pci0
ehci1: [GIANT-LOCKED]
ehci1: [ITHREAD]
usb7: EHCI version 1.0
usb7: companion controllers, 2 ports each: usb4 usb5 usb6
usb7: <EHCI (generic) USB 2.0 controller> on ehci1
usb7: USB revision 2.0
uhub7: <Intel EHCI root hub, class 9/0, rev 2.00/1.00, addr 1> on usb7
uhub7: 6 ports with 6 removable, self powered
uhub7: device problem (TIMEOUT), disabling port 1
umass0: <vendor 0x05e3 USB Storage, class 0/0, rev 2.00/96.02, addr 2> on uhub7
pci5: <ACPI PCI-PCI bridge> at device 30.0 on pci0
pci5: <ACPI PCI bus> on pci5
fwohci0: <VIA Fire II (VT6306)> port 0xec00-0xec7f mem 0xfebff800-0xfebfffff irq 18 at device 2.0 on pci5
fwohci0: [FILTER]
fwohci0: OHCI version 1.0 (ROM=1)
fwohci0: No. of Isochronous channels is 4.
fwohci0: EUI64 00:11:06:66:45:68:1b:69
fwohci0: Phy 1394a available S400, 3 ports.
fwohci0: Link S400, max_rec 2048 bytes.
firewire0: <IEEE1394(FireWire) bus> on fwohci0
fwe0: <Ethernet over FireWire> on firewire0
if_fwe0: Fake Ethernet address: 02:11:06:68:1b:69
fwe0: Ethernet address: 02:11:06:68:1b:69
fwip0: <IP over FireWire> on firewire0
fwip0: Firewire address: 00:11:06:66:45:68:1b:69 @ 0xffffe0000000, S400, maxrec 2048
sbp0: <SBP-2/SCSI over FireWire> on firewire0
dcons_crom0: <dcons configuration ROM> on firewire0
dcons_crom0: bus_addr 0x13e0000
fwohci0: Initiate bus reset
fwohci0: BUS reset
fwohci0: node_id=0xc800ffc0, gen=1, CYCLEMASTER mode
fwohci1: <VIA Fire II (VT6306)> port 0xe880-0xe8ff mem 0xfebff000-0xfebff7ff irq 16 at device 3.0 on pci5
fwohci1: [FILTER]
fwohci1: OHCI version 1.10 (ROM=1)
fwohci1: No. of Isochronous channels is 4.
fwohci1: EUI64 00:11:d8:00:01:65:23:ee
fwohci1: Phy 1394a available S400, 2 ports.
fwohci1: Link S400, max_rec 2048 bytes.
firewire1: <IEEE1394(FireWire) bus> on fwohci1
fwe1: <Ethernet over FireWire> on firewire1
if_fwe1: Fake Ethernet address: 02:11:d8:65:23:ee
fwe1: Ethernet address: 02:11:d8:65:23:ee
fwip1: <IP over FireWire> on firewire1
fwip1: Firewire address: 00:11:d8:00:01:65:23:ee @ 0xffffe0000000, S400, maxrec 2048
sbp1: <SBP-2/SCSI over FireWire> on firewire1

usb_insert_transfer panic with if_zyd

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dcons_crom1: <dcons configuration ROM> on firewire1
dcons_crom1: bus_addr 0x13e0000
dcons_crom1: dcons_paddr is already set
fwohci1: Initiate bus reset
fwohci1: BUS reset
fwohci1: node_id=0xc800ffc0, gen=1, CYCLEMASTER mode
isab0: <PCI-ISA bridge> at device 31.0 on pci0
isa0: <ISA bus> on isab0
atapci2: <GENERIC ATA controller> port
0xa000-0xa007,0x9c00-0x9c03,0x9880-0x9887,0x9800-0x9803,0x9480-0x948f,0x9400-0x940f irq 22 at
device 31.2 on pci0
atapci2: [ITHREAD]
ata3: <ATA channel 0> on atapci2
ata3: [ITHREAD]
ata4: <ATA channel 1> on atapci2
ata4: [ITHREAD]
pci0: <serial bus, SMBus> at device 31.3 (no driver attached)
atapci3: <Intel ICH9 SATA300 controller> port
0xb000-0xb007,0xac00-0xac03,0xa880-0xa887,0xa800-0xa803,0xa480-0xa48f,0xa400-0xa40f irq 22 at
device 31.5 on pci0
atapci3: [ITHREAD]
ata5: <ATA channel 0> on atapci3
ata5: [ITHREAD]
ata6: <ATA channel 1> on atapci3
ata6: [ITHREAD]
acpi_button0: <Power Button> on acpi0
sio0: configured irq 4 not in bitmap of probed irqs 0
sio0: port may not be enabled
sio0: configured irq 4 not in bitmap of probed irqs 0
sio0: port may not be enabled
sio0: <16550A-compatible COM port> port 0x3f8-0x3ff irq 4 flags 0x10 on acpi0
sio0: type 16550A
sio0: [FILTER]
atkbd0: <Keyboard controller (i8042)> port 0x60,0x64 irq 1 on acpi0
atkbd0: <AT Keyboard> irq 1 on atkbd0
kbd0 at atkbd0
atkbd0: [GIANT-LOCKED]
atkbd0: [ITHREAD]
pmtimer0 on isa0
orm0: <ISA Option ROM> at iomem 0xcd000-0xcffff npnid ORM0000 on isa0
ppc0: parallel port not found.
sc0: <System console> at flags 0x100 on isa0
sc0: VGA <16 virtual consoles, flags=0x300>
sio1: configured irq 3 not in bitmap of probed irqs 0
sio1: port may not be enabled
vga0: <Generic ISA VGA> at port 0x3c0-0x3df iomem 0xa0000-0xbffff on isa0
Timecounters tick every 1.000 msec
firewire0: 1 nodes, maxhop <= 0, cable IRM = 0 (me)
firewire0: bus manager 0 (me)
firewire1: 1 nodes, maxhop <= 0, cable IRM = 0 (me)
firewire1: bus manager 0 (me)

usb_insert_transfer panic with if_zyd

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```
acd0: DVDR <TSSStcorpCD/DVDW SH-S182M/SB04> at ata2-master UDMA33
ad5: 190782MB <SAMSUNG SP2014N VC100-33> at ata2-slave UDMA100
ad6: 381554MB <WDC WD4000AAJS-00TKA0 12.01C01> at ata3-master UDMA33
ad8: 381554MB <WDC WD4000AAJS-00TKA0 12.01C01> at ata4-master UDMA33
GEOM_LABEL: Label for provider ad5s1 is ntfs/WindowsXP.
GEOM_LABEL: Label for provider ad5s5 is ntfs/Daten.
SMP: AP CPU #1 Launched!
WARNING: WITNESS option enabled, expect reduced performance.
da0 at umass-sim0 bus 0 target 0 lun 0
da0: <Generic STORAGE DEVICE 9602> Removable Direct Access SCSI-0 device
da0: 40.000MB/s transfers
da0: Attempt to query device size failed: NOT READY, Medium not present
da1 at umass-sim0 bus 0 target 0 lun 1
da1: <Generic STORAGE DEVICE 9602> Removable Direct Access SCSI-0 device
da1: 40.000MB/s transfers
da1: Attempt to query device size failed: NOT READY, Medium not present
da2 at umass-sim0 bus 0 target 0 lun 2
da2: <Generic STORAGE DEVICE 9602> Removable Direct Access SCSI-0 device
da2: 40.000MB/s transfers
da2: Attempt to query device size failed: NOT READY, Medium not present
da3 at umass-sim0 bus 0 target 0 lun 3
da3: <Generic STORAGE DEVICE 9602> Removable Direct Access SCSI-0 device
da3: 40.000MB/s transfers
da3: Attempt to query device size failed: NOT READY, Medium not present
Trying to mount root from ufs:/dev/ad6s2a
zyd0: <ZyDAS ZyXEL G-220, class 255/255, rev 2.00/48.10, addr 3> on uhub7
zyd0: HMAC ZD1211B, FW 47.25, RF AL2230, PA 0, address 00:13:49:70:b0:52
zyd0: Ethernet address: 00:13:49:70:b0:52
zyd0: if_start running deferred for Giant
lock order reversal: (Giant after non-sleepable)
1st 0xc0bfcba0 in_multi_mtx (in_multi_mtx) @ /usr/src/sys/netinet/in_mcast.c:318
2nd 0xc0badfb0 Giant (Giant) @ /usr/src/sys/modules/zyd/../../dev/usb/if_zyd.c:2375
KDB: stack backtrace:
db_trace_self_wrapper(c0a9bbcc,e7c7ba24,c0784f1e,c0a9e093,c0badfb0,...) at db_trace_self_wrapper+0x26
kdb_backtrace(c0a9e093,c0badfb0,c0ab3bf6,c0ab3bf6,c0d2abd4,...) at kdb_backtrace+0x29
witness_checkorder(c0badfb0,9,c0d2abd4,947,c0aa5360,...) at witness_checkorder+0x6de
_mtx_lock_flags(c0badfb0,0,c0d2abd4,947,c566e9e0,...) at _mtx_lock_flags+0xbc
zyd_ioctl(c5277400,80206931,0,94d,c527764c,...) at zyd_ioctl+0x3b
if_addmulti(c5277400,e7c7bab4,e7c7bb34,140,210,...) at if_addmulti+0x244
in_addmulti(e7c7bba0,c5277400,0,0,c0aa5360,...) at in_addmulti+0x173
in_control(c572f318,8040691a,c56848c0,c5277400,c59c5000,...) at in_control+0xadf
ifioctl(c572f318,8040691a,c56848c0,c59c5000,c59c5000,...) at ifioctl+0x323
soo_ioctl(c56a8048,8040691a,c56848c0,c50f2300,c59c5000,...) at soo_ioctl+0x3a4
kern_ioctl(c59c5000,3,8040691a,c56848c0,0,...) at kern_ioctl+0x243
ioctl(c59c5000,e7c7bcfc,c,c0acaa83,c0b45710,...) at ioctl+0x134
syscall(e7c7bd38) at syscall+0x2b3
Xint0x80_syscall() at Xint0x80_syscall+0x20
--- syscall (54, FreeBSD ELF32, ioctl), eip = 0x2815f323, esp = 0xbfbfe63c, ebp = 0xbfbfe668 ---
zyd0: link state changed to UP
panic: usb_insert_transfer
cpuid = 0
```

usb_insert_transfer panic with if_zyd

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KDB: enter: panic
panic: from debugger
cpuid = 0
Uptime: 5m25s
Physical memory: 2034 MB
Dumping 116 MB: 101 85 69 53 37 21 5 Copyright (c) 1992–2007 The FreeBSD Project.
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FreeBSD 7.0–CURRENT #1: Thu Oct 4 22:15:47 CEST 2007
root@dhcpcpc1:/usr/obj/usr/src/sys/GENERIC
WARNING: WITNESS option enabled, expect reduced performance.
Timecounter "i8254" frequency 1193182 Hz quality 0
CPU: Intel(R) Core(TM)2 Duo CPU E6750 @ 2.66GHz (2671.62–MHz 686–class CPU)
Origin = "GenuineIntel" Id = 0x6fb Stepping = 11
Features=0xbfebfbff<FPU,VME,DE,PSE,TSC,MSR,PAE,MCE,CX8,APIC,SEP,MTRR,PGE,MCA,CMOV,PAT,PSE
Features2=0xe3fd<SSE3,RSVD2,MON,DS_CPL,VMX,SMX,EST,TM2,SSSE3,CX16,xTPR,PDCM>
AMD Features=0x20100000<NX,LM>
AMD Features2=0x1<LAHF>
Cores per package: 2
real memory = 2146959360 (2047 MB)
avail memory = 2091413504 (1994 MB)
ACPI APIC Table: <A_M_I_OEMAPIC >
FreeBSD/SMP: Multiprocessor System Detected: 2 CPUs
cpu0 (BSP): APIC ID: 0
cpu1 (AP): APIC ID: 1
ioapic0 <Version 2.0> irqs 0–23 on motherboard
kbd1 at kbdmux0
ath_hal: 0.9.20.3 (AR5210, AR5211, AR5212, RF5111, RF5112, RF2413, RF5413)
acpi0: <A_M_I_OEMXSDT> on motherboard
acpi0: [ITHREAD]
acpi_hpet0: <High Precision Event Timer> iomem 0xfed00000–0xfed003ff on acpi0
Timecounter "HPET" frequency 14318180 Hz quality 900
acpi0: Power Button (fixed)
acpi0: reservation of 0, a0000 (3) failed
acpi0: reservation of 100000, 7ff00000 (3) failed
Timecounter "ACPI–fast" frequency 3579545 Hz quality 1000
acpi_timer0: <24–bit timer at 3.579545MHz> port 0x808–0x80b on acpi0
cpu0: <ACPI CPU> on acpi0
ACPI Warning (tbutils–0243): Incorrect checksum in table [OEMB] – DE, should be DD [20070320]
est0: <Enhanced SpeedStep Frequency Control> on cpu0
p4tcc0: <CPU Frequency Thermal Control> on cpu0
cpu1: <ACPI CPU> on acpi0
est1: <Enhanced SpeedStep Frequency Control> on cpu1
p4tcc1: <CPU Frequency Thermal Control> on cpu1
pcib0: <ACPI Host–PCI bridge> port 0xcf8–0xcff on acpi0
pci0: <ACPI PCI bus> on pcib0
pcib1: <ACPI PCI–PCI bridge> irq 16 at device 1.0 on pci0
pci1: <ACPI PCI bus> on pcib1
vgapci0: <VGA–compatible display> port 0xcc00–0xcc7f mem
0xfd000000–0xfdffffff,0xd0000000–0xdfffffff,0xfa000000–0xfbffffff irq 16 at device 0.0 on pci1

usb_insert_transfer panic with if_zyd

uhci0: <UHCI (generic) USB controller> port 0xb800-0xb81f irq 16 at device 26.0 on pci0
uhci0: [GIANT-LOCKED]
uhci0: [ITHREAD]
usb0: <UHCI (generic) USB controller> on uhci0
usb0: USB revision 1.0
uhub0: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> on usb0
uhub0: 2 ports with 2 removable, self powered
uhci1: <UHCI (generic) USB controller> port 0xb880-0xb89f irq 21 at device 26.1 on pci0
uhci1: [GIANT-LOCKED]
uhci1: [ITHREAD]
usb1: <UHCI (generic) USB controller> on uhci1
usb1: USB revision 1.0
uhub1: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> on usb1
uhub1: 2 ports with 2 removable, self powered
uhci2: <UHCI (generic) USB controller> port 0xbc00-0xbc1f irq 18 at device 26.2 on pci0
uhci2: [GIANT-LOCKED]
uhci2: [ITHREAD]
usb2: <UHCI (generic) USB controller> on uhci2
usb2: USB revision 1.0
uhub2: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> on usb2
uhub2: 2 ports with 2 removable, self powered
ehci0: <EHCI (generic) USB 2.0 controller> mem 0xf9fffc00-0xf9ffffff irq 18 at device 26.7 on pci0
ehci0: [GIANT-LOCKED]
ehci0: [ITHREAD]
usb3: EHCI version 1.0
usb3: companion controllers, 2 ports each: usb0 usb1 usb2
usb3: <EHCI (generic) USB 2.0 controller> on ehci0
usb3: USB revision 2.0
uhub3: <Intel EHCI root hub, class 9/0, rev 2.00/1.00, addr 1> on usb3
uhub3: 6 ports with 6 removable, self powered
pci0: <multimedia> at device 27.0 (no driver attached)
pcib2: <ACPI PCI-PCI bridge> irq 17 at device 28.0 on pci0
pci4: <ACPI PCI bus> on pcib2
pcib3: <ACPI PCI-PCI bridge> irq 17 at device 28.4 on pci0
pci3: <ACPI PCI bus> on pcib3
atapci0: <JMicron JMB363 SATA300 controller> mem 0xfeafe000-0xfeafffff irq 16 at device 0.0 on pci3
atapci0: AHCI Version 01.00 controller with 2 ports detected
ata0: <ATA channel 0> on atapci0
ata0: [ITHREAD]
ata1: <ATA channel 1> on atapci0
ata1: [ITHREAD]
atapci1: <JMicron JMB363 UDMA133 controller> port
0xdc00-0xdc07,0xd880-0xd883,0xd800-0xd807,0xd480-0xd483,0xd400-0xd40f at device 0.1 on pci3
atapci1: [ITHREAD]
ata2: <ATA channel 0> on atapci1
ata2: [ITHREAD]
pcib4: <ACPI PCI-PCI bridge> irq 16 at device 28.5 on pci0
pci2: <ACPI PCI bus> on pcib4
pci2: <network, ethernet> at device 0.0 (no driver attached)
uhci3: <UHCI (generic) USB controller> port 0xb080-0xb09f irq 23 at device 29.0 on pci0
uhci3: [GIANT-LOCKED]

usb_insert_transfer panic with if_zyd

uhci3: [IThread]
usb4: <UHCI (generic) USB controller> on uhci3
usb4: USB revision 1.0
uhub4: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> on usb4
uhub4: 2 ports with 2 removable, self powered
uhci4: <UHCI (generic) USB controller> port 0xb400-0xb41f irq 19 at device 29.1 on pci0
uhci4: [GIANT-LOCKED]
uhci4: [IThread]
usb5: <UHCI (generic) USB controller> on uhci4
usb5: USB revision 1.0
uhub5: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> on usb5
uhub5: 2 ports with 2 removable, self powered
uhci5: <UHCI (generic) USB controller> port 0xb480-0xb49f irq 18 at device 29.2 on pci0
uhci5: [GIANT-LOCKED]
uhci5: [IThread]
usb6: <UHCI (generic) USB controller> on uhci5
usb6: USB revision 1.0
uhub6: <Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1> on usb6
uhub6: 2 ports with 2 removable, self powered
ehci1: <EHCI (generic) USB 2.0 controller> mem 0xf9fff800-0xf9fffbff irq 23 at device 29.7 on pci0
ehci1: [GIANT-LOCKED]
ehci1: [IThread]
usb7: EHCI version 1.0
usb7: companion controllers, 2 ports each: usb4 usb5 usb6
usb7: <EHCI (generic) USB 2.0 controller> on ehci1
usb7: USB revision 2.0
uhub7: <Intel EHCI root hub, class 9/0, rev 2.00/1.00, addr 1> on usb7
uhub7: 6 ports with 6 removable, self powered
zyd0: <ZyDAS ZyXEL G-220, class 255/255, rev 2.00/48.10, addr 2> on uhub7
zyd0: setting config no failed
device_attach: zyd0 attach returned 6
umass0: <vendor 0x05e3 USB Storage, class 0/0, rev 2.00/96.02, addr 3> on uhub7
pcib5: <ACPI PCI-PCI bridge> at device 30.0 on pci0
pci5: <ACPI PCI bus> on pcib5
fwohci0: <VIA Fire II (VT6306)> port 0xec00-0xec7f mem 0xfebff800-0xfebfffff irq 18 at device 2.0 on pci5
fwohci0: [FILTER]
fwohci0: OHCI version 1.0 (ROM=1)
fwohci0: No. of Isochronous channels is 4.
fwohci0: EUI64 00:11:06:66:45:68:1b:69
fwohci0: Phy 1394a available S400, 3 ports.
fwohci0: Link S400, max_rec 2048 bytes.
firewire0: <IEEE1394(FireWire) bus> on fwohci0
fwe0: <Ethernet over FireWire> on firewire0
if_fwe0: Fake Ethernet address: 02:11:06:68:1b:69
fwe0: Ethernet address: 02:11:06:68:1b:69
fwip0: <IP over FireWire> on firewire0
fwip0: Firewire address: 00:11:06:66:45:68:1b:69 @ 0xffffe00000000, S400, maxrec 2048
sbp0: <SBP-2/SCSI over FireWire> on firewire0
dcons_crom0: <dcons configuration ROM> on firewire0
dcons_crom0: bus_addr 0x13e0000

usb_insert_transfer panic with if_zyd

usb_insert_transfer panic with if_zyd

fwohci0: Initiate bus reset
fwohci0: BUS reset
fwohci0: node_id=0xc800ffc0, gen=1, CYCLEMASTER mode
fwohci1: <VIA Fire II (VT6306)> port 0xe880-0xe8ff mem 0xfebff000-0xfebff7ff irq 16 at device 3.0 on pci5
fwohci1: [FILTER]
fwohci1: OHCI version 1.10 (ROM=1)
fwohci1: No. of Isochronous channels is 4.
fwohci1: EUI64 00:11:d8:00:01:65:23:ee
fwohci1: Phy 1394a available S400, 2 ports.
fwohci1: Link S400, max_rec 2048 bytes.
firewire1: <IEEE1394(FireWire) bus> on fwohci1
fwe1: <Ethernet over FireWire> on firewire1
if_fwe1: Fake Ethernet address: 02:11:d8:65:23:ee
fwe1: Ethernet address: 02:11:d8:65:23:ee
fwip1: <IP over FireWire> on firewire1
fwip1: Firewire address: 00:11:d8:00:01:65:23:ee @ 0xfffe00000000, S400, maxrec 2048
sbp1: <SBP-2/SCSI over FireWire> on firewire1
dcons_crom1: <dcons configuration ROM> on firewire1
dcons_crom1: bus_addr 0x13e0000
dcons_crom1: dcons_paddr is already set
fwohci1: Initiate bus reset
fwohci1: BUS reset
fwohci1: node_id=0xc800ffc0, gen=1, CYCLEMASTER mode
isab0: <PCI-ISA bridge> at device 31.0 on pci0
isa0: <ISA bus> on isab0
atapci2: <GENERIC ATA controller> port 0xa000-0xa007,0x9c00-0x9c03,0x9880-0x9887,0x9800-0x9803,0x9480-0x948f,0x9400-0x940f irq 22 at device 31.2 on pci0
atapci2: [IThread]
ata3: <ATA channel 0> on atapci2
ata3: [IThread]
ata4: <ATA channel 1> on atapci2
ata4: [IThread]
pci0: <serial bus, SMBus> at device 31.3 (no driver attached)
atapci3: <Intel ICH9 SATA300 controller> port 0xb000-0xb007,0xac00-0xac03,0xa880-0xa887,0xa800-0xa803,0xa480-0xa48f,0xa400-0xa40f irq 22 at device 31.5 on pci0
atapci3: [IThread]
ata5: <ATA channel 0> on atapci3
ata5: [IThread]
ata6: <ATA channel 1> on atapci3
ata6: [IThread]
acpi_button0: <Power Button> on acpi0
sio0: configured irq 4 not in bitmap of probed irqs 0
sio0: port may not be enabled
sio0: configured irq 4 not in bitmap of probed irqs 0
sio0: port may not be enabled
sio0: <16550A-compatible COM port> port 0x3f8-0x3ff irq 4 flags 0x10 on acpi0
sio0: type 16550A
sio0: [FILTER]

usb_insert_transfer panic with if_zyd

atkbd0: <Keyboard controller (i8042)> port 0x60,0x64 irq 1 on acpi0
atkbd0: <AT Keyboard> irq 1 on atkbd0
kbd0 at atkbd0
atkbd0: [GIANT-LOCKED]
atkbd0: [ITHREAD]
pmtimer0 on isa0
orm0: <ISA Option ROM> at iomem 0xcd000-0xcfff pnpid ORM0000 on isa0
ppc0: parallel port not found.
sc0: <System console> at flags 0x100 on isa0
sc0: VGA <16 virtual consoles, flags=0x300>
sio1: configured irq 3 not in bitmap of probed irqs 0
sio1: port may not be enabled
vga0: <Generic ISA VGA> at port 0x3c0-0x3df iomem 0xa0000-0xbffff on isa0
Timecounters tick every 1.000 msec
firewire0: 1 nodes, maxhop <= 0, cable IRM = 0 (me)
firewire0: bus manager 0 (me)
firewire1: 1 nodes, maxhop <= 0, cable IRM = 0 (me)
firewire1: bus manager 0 (me)
acd0: DVDR <TSScorpCD/DVDW SH-S182M/SB04> at ata2-master UDMA33
ad5: 190782MB <SAMSUNG SP2014N VC100-33> at ata2-slave UDMA100
ad6: 381554MB <WDC WD4000AAJS-00TKA0 12.01C01> at ata3-master UDMA33
ad8: 381554MB <WDC WD4000AAJS-00TKA0 12.01C01> at ata4-master UDMA33
GEOM_LABEL: Label for provider ad5s1 is ntfs/WindowsXP.
GEOM_LABEL: Label for provider ad5s5 is ntfs/Daten.
zyd0: at uhub7 port 1 (addr 2) disconnected
SMP: AP CPU #1 Launched!
WARNING: WITNESS option enabled, expect reduced performance.
da0 at umass-sim0 bus 0 target 0 lun 0
da0: <Generic STORAGE DEVICE 9602> Removable Direct Access SCSI-0 device
da0: 40.000MB/s transfers
da0: Attempt to query device size failed: NOT READY, Medium not present
da1 at umass-sim0 bus 0 target 0 lun 1
da1: <Generic STORAGE DEVICE 9602> Removable Direct Access SCSI-0 device
da1: 40.000MB/s transfers
da1: Attempt to query device size failed: NOT READY, Medium not present
da2 at umass-sim0 bus 0 target 0 lun 2
da2: <Generic STORAGE DEVICE 9602> Removable Direct Access SCSI-0 device
da2: 40.000MB/s transfers
da2: Attempt to query device size failed: NOT READY, Medium not present
da3 at umass-sim0 bus 0 target 0 lun 3
da3: <Generic STORAGE DEVICE 9602> Removable Direct Access SCSI-0 device
da3: 40.000MB/s transfers
da3: Attempt to query device size failed: NOT READY, Medium not present
Trying to mount root from ufs:/dev/ad6s2a
WARNING: / was not properly dismounted
WARNING: /tmp was not properly dismounted
WARNING: /usr was not properly dismounted
WARNING: /var was not properly dismounted
zyd0: <ZyDAS ZyXEL G-220, class 255/255, rev 2.00/48.10, addr 2> on uhub7
zyd0: HMAC ZD1211B, FW 47.25, RF AL2230, PA 0, address 00:13:49:70:b0:52
zyd0: Ethernet address: 00:13:49:70:b0:52

usb_insert_transfer panic with if_zyd

usb_insert_transfer panic with if_zyd

```
zyd0: if_start running deferred for Giant
lock order reversal: (Giant after non-sleepable)
1st 0xc0bfcbac in_multi_mtx (in_multi_mtx) @ /usr/src/sys/netinet/in_mcast.c:318
2nd 0xc0badfb0 Giant (Giant) @ /usr/src/sys/modules/zyd/../../dev/usb/if_zyd.c:2375
KDB: stack backtrace:
db_trace_self_wrapper(c0a9bbcc,e7bf4a24,c0784f1e,c0a9e093,c0badfb0,...) at db_trace_self_wrapper+0x26
kdb_backtrace(c0a9e093,c0badfb0,c0ab3bf6,c0ab3bf6,c0d2abd4,...) at kdb_backtrace+0x29
witness_checkorder(c0badfb0,9,c0d2abd4,947,c0aa5360,...) at witness_checkorder+0x6de
_mtx_lock_flags(c0badfb0,0,c0d2abd4,947,c567e400,...) at _mtx_lock_flags+0xbc
zyd_ioctl(c54c5000,80206931,0,94d,c54c524c,...) at zyd_ioctl+0x3b
if_addmulti(c54c5000,e7bf4ab4,e7bf4b34,140,210,...) at if_addmulti+0x244
in_addmulti(e7bf4ba0,c54c5000,0,0,c0aa5360,...) at in_addmulti+0x173
in_control(c5724000,8040691a,c5875680,c54c5000,c56d9000,...) at in_control+0xadf
ifioctl(c5724000,8040691a,c5875680,c56d9000,c56d9000,...) at ifioctl+0x323
soo_ioctl(c56a87e0,8040691a,c5875680,c50f2300,c56d9000,...) at soo_ioctl+0x3a4
kern_ioctl(c56d9000,3,8040691a,c5875680,0,...) at kern_ioctl+0x243
ioctl(c56d9000,e7bf4cfc,c,c0acaa83,c0b45710,...) at ioctl+0x134
syscall(e7bf4d38) at syscall+0x2b3
Xint0x80_syscall() at Xint0x80_syscall+0x20
--- syscall (54, FreeBSD ELF32, ioctl), eip = 0x2815f323, esp = 0xbfbfe63c, ebp = 0xbfbfe668 ---
zyd0: link state changed to UP
hostb0@pci:0:0:0: class=0x060000 card=0x82761043 chip=0x29c08086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = bridge
subclass = HOST-PCI
pcib1@pci:0:1:0: class=0x060400 card=0x82761043 chip=0x29c18086 rev=0x02 hdr=0x01
vendor = 'Intel Corporation'
class = bridge
subclass = PCI-PCI
uhci0@pci:0:0:26:0: class=0x0c0300 card=0x82771043 chip=0x29378086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = serial bus
subclass = USB
uhci1@pci:0:0:26:1: class=0x0c0300 card=0x82771043 chip=0x29388086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = serial bus
subclass = USB
uhci2@pci:0:0:26:2: class=0x0c0300 card=0x82771043 chip=0x29398086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = serial bus
subclass = USB
ehci0@pci:0:0:26:7: class=0x0c0320 card=0x82771043 chip=0x293c8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = serial bus
subclass = USB
none0@pci:0:0:27:0: class=0x040300 card=0x829f1043 chip=0x293e8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = multimedia
pcib2@pci:0:0:28:0: class=0x060400 card=0x82771043 chip=0x29408086 rev=0x02 hdr=0x01
vendor = 'Intel Corporation'
class = bridge
```

usb_insert_transfer panic with if_zyd

```
subclass = PCI-PCI
pcib3@pci0:0:28:4: class=0x060400 card=0x82771043 chip=0x29488086 rev=0x02 hdr=0x01
vendor = 'Intel Corporation'
class = bridge
subclass = PCI-PCI
pcib4@pci0:0:28:5: class=0x060400 card=0x82771043 chip=0x294a8086 rev=0x02 hdr=0x01
vendor = 'Intel Corporation'
class = bridge
subclass = PCI-PCI
uhci3@pci0:0:29:0: class=0x0c0300 card=0x82771043 chip=0x29348086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = serial bus
subclass = USB
uhci4@pci0:0:29:1: class=0x0c0300 card=0x82771043 chip=0x29358086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = serial bus
subclass = USB
uhci5@pci0:0:29:2: class=0x0c0300 card=0x82771043 chip=0x29368086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = serial bus
subclass = USB
ehci1@pci0:0:29:7: class=0x0c0320 card=0x82771043 chip=0x293a8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = serial bus
subclass = USB
pcib5@pci0:0:30:0: class=0x060401 card=0x82771043 chip=0x244e8086 rev=0x92 hdr=0x01
vendor = 'Intel Corporation'
device = '82801BA/CA/DB/DBL/EB/ER/FB/GB/HB (ICH2/3/4/4/5/5/6/7/8), 63xxESB Hub Interface to PCI
Bridge'
class = bridge
subclass = PCI-PCI
isab0@pci0:0:31:0: class=0x060100 card=0x82771043 chip=0x29188086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = bridge
subclass = PCI-ISA
atapci2@pci0:0:31:2: class=0x01018f card=0x82771043 chip=0x29218086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = mass storage
subclass = ATA
none1@pci0:0:31:3: class=0x0c0500 card=0x82771043 chip=0x29308086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = serial bus
subclass = SMBus
atapci3@pci0:0:31:5: class=0x010185 card=0x82771043 chip=0x29268086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = mass storage
subclass = ATA
vgapci0@pci0:1:0:0: class=0x030000 card=0x82431043 chip=0x040210de rev=0xa1 hdr=0x00
vendor = 'Nvidia Corp'
class = display
subclass = VGA
```

usb_insert_transfer panic with if_zyd

```
atapci0@pci0:3:0:0: class=0x010601 card=0x824f1043 chip=0x2363197b rev=0x03 hdr=0x00
vendor = 'JMicron Technology Corp'
device = 'JMB36X PCIE-to-SATAII/IDE RAID Controller'
class = mass storage
atapci1@pci0:3:0:1: class=0x010185 card=0x824f1043 chip=0x2363197b rev=0x03 hdr=0x00
vendor = 'JMicron Technology Corp'
device = 'JMB36X PCIE-to-SATAII/IDE RAID Controller'
class = mass storage
subclass = ATA
none2@pci0:2:0:0: class=0x020000 card=0x82261043 chip=0x10481969 rev=0xb0 hdr=0x00
class = network
subclass = ethernet
fwohci0@pci0:5:2:0: class=0x0c0010 card=0x30441106 chip=0x30441106 rev=0x46 hdr=0x00
vendor = 'VIA Technologies Inc'
device = 'VT6306 VIA Fire II IEEE-1394 OHCI Link Layer Controller'
class = serial bus
subclass = FireWire
fwohci1@pci0:5:3:0: class=0x0c0010 card=0x81fe1043 chip=0x30441106 rev=0xc0 hdr=0x00
vendor = 'VIA Technologies Inc'
device = 'VT6306 VIA Fire II IEEE-1394 OHCI Link Layer Controller'
class = serial bus
subclass = FireWire
Controller /dev/usb0:
addr 1: full speed, self powered, config 1, UHCI root hub(0x0000), Intel(0x0000), rev 1.00
uhub0
port 1 powered
port 2 powered
Controller /dev/usb1:
addr 1: full speed, self powered, config 1, UHCI root hub(0x0000), Intel(0x0000), rev 1.00
uhub1
port 1 powered
port 2 powered
Controller /dev/usb2:
addr 1: full speed, self powered, config 1, UHCI root hub(0x0000), Intel(0x0000), rev 1.00
uhub2
port 1 powered
port 2 powered
Controller /dev/usb3:
addr 1: high speed, self powered, config 1, EHCI root hub(0x0000), Intel(0x0000), rev 1.00
uhub3
port 1 powered
port 2 powered
port 3 powered
port 4 powered
port 5 powered
port 6 powered
Controller /dev/usb4:
addr 1: full speed, self powered, config 1, UHCI root hub(0x0000), Intel(0x0000), rev 1.00
uhub4
port 1 powered
port 2 powered
```

usb_insert_transfer panic with if_zyd

Controller /dev/usb5:

addr 1: full speed, self powered, config 1, UHCI root hub(0x0000), Intel(0x0000), rev 1.00
uhub5

port 1 powered

port 2 powered

Controller /dev/usb6:

addr 1: full speed, self powered, config 1, UHCI root hub(0x0000), Intel(0x0000), rev 1.00
uhub6

port 1 powered

port 2 powered

Controller /dev/usb7:

addr 1: high speed, self powered, config 1, EHCI root hub(0x0000), Intel(0x0000), rev 1.00
uhub7

port 1 powered

port 2 powered

port 3 addr 2: high speed, power 500 mA, config 1, ZyXEL G-220(0x340f), ZyDAS(0x0586), rev 48.10
zyd0

port 4 powered

port 5 addr 3: high speed, power 500 mA, config 1, USB Storage(0x070e), vendor 0x05e3(0x05e3), rev 96.02
umass0

port 6 powered

Attachment: pgpnqz3u5hNpI.pgp

Description: PGP signature