

freebsd-current: 5.1-R and 5.1-C floppies will not boot on SuperMicro 6023P-8R

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Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/current/2003-10/1475.html>

From: Stephane Rimbault (*segr_at_hotmail.com*)

Date: 10/30/03

To: <current@freebsd.org>

Date: Wed, 29 Oct 2003 16:07:27 -0700

Hi,

I'm trying to install 5.1-R or 5.1-C from floppies redirected output to serial port and it won't boot to the install screen. 4.9-R floppies with output redirected to serial port works and installs properly. This is what I get on my serial console when I try to boot on 5.1-C (similar to 5.1-R) seems to hang after the vga0 shows up during boot.

Is there anything I can do or provide to resolve my install problem?

Uncompressing ... done

Console: serial port

BIOS drive A: is disk0

BIOS drive C: is disk1

BIOS 633kB/4061120kB available memory

FreeBSD/i386 bootstrap loader, Revision 1.1

(root@ushi.jp.freebsd.org, Wed Oct 29 04:14:01 GMT 2003)

```
> include /boot/device.hints
> set hint.fdc.0.at="isa"
> set hint.fdc.0.port="0x3F0"
> set hint.fdc.0.irq="6"
> set hint.fdc.0.drq="2"
> set hint.fd.0.at="fdc0"
> set hint.fd.0.drive="0"
> set hint.fd.1.at="fdc0"
> set hint.fd.1.drive="1"
> set hint.ata.0.at="isa"
> set hint.ata.0.port="0x1F0"
> set hint.ata.0.irq="14"
> set hint.ata.1.at="isa"
> set hint.ata.1.port="0x170"
> set hint.ata.1.irq="15"
> set hint.adv.0.at="isa"
> set hint.adv.0.disabled="1"
> set hint.bt.0.at="isa"
```

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```
> set hint.bt.0.disabled="1"
> set hint.aha.0.at="isa"
> set hint.aha.0.disabled="1"
> set hint.aic.0.at="isa"
> set hint.aic.0.disabled="1"
> set hint.atkfdc.0.at="isa"
> set hint.atkfdc.0.port="0x060"
> set hint.atkbd.0.at="atkfdc"
> set hint.atkbd.0.irq="1"
> set hint.atkbd.0.flags="0x1"
> set hint.psm.0.at="atkfdc"
> set hint.psm.0.irq="12"
> set hint.vga.0.at="isa"
> set hint.sc.0.at="isa"
> set hint.sc.0.flags="0x100"
> set hint.vt.0.at="isa"
> set hint.vt.0.disabled="1"
> set hint.apm.0.disabled="1"
> set hint.apm.0.flags="0x20"
> set hint.pcic.0.at="isa"
> set hint.pcic.0.port="0x3e0"
> set hint.pcic.0.maddr="0xd0000"
> set hint.pcic.1.at="isa"
> set hint.pcic.1.irq="11"
> set hint.pcic.1.port="0x3e2"
> set hint.pcic.1.maddr="0xd4000"
> set hint.pcic.1.disabled="1"
> set hint.sio.0.at="isa"
> set hint.sio.0.port="0x3F8"
> set hint.sio.0.flags="0x10"
> set hint.sio.0.irq="4"
> set hint.sio.1.at="isa"
> set hint.sio.1.port="0x2F8"
> set hint.sio.1.irq="3"
> set hint.sio.2.at="isa"
> set hint.sio.2.disabled="1"
> set hint.sio.2.port="0x3E8"
> set hint.sio.2.irq="5"
> set hint.sio.3.at="isa"
> set hint.sio.3.disabled="1"
> set hint.sio.3.port="0x2E8"
> set hint.sio.3.irq="9"
> set hint.ppc.0.at="isa"
> set hint.ppc.0.irq="7"
> set hint.ed.0.at="isa"
> set hint.ed.0.disabled="1"
> set hint.ed.0.port="0x280"
> set hint.ed.0.irq="10"
> set hint.ed.0.maddr="0xd8000"
> set hint.cs.0.at="isa"
> set hint.cs.0.disabled="1"
```

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```
> set hint.cs.0.port="0x300"
> set hint.sn.0.at="isa"
> set hint.sn.0.disabled="1"
> set hint.sn.0.port="0x300"
> set hint.sn.0.irq="10"
> set hint.ie.0.at="isa"
> set hint.ie.0.disabled="1"
> set hint.ie.0.port="0x300"
> set hint.ie.0.irq="10"
> set hint.ie.0.maddr="0xd0000"
> set hint.fe.0.at="isa"
> set hint.fe.0.disabled="1"
> set hint.fe.0.port="0x300"
> set hint.le.0.at="isa"
> set hint.le.0.disabled="1"
> set hint.le.0.port="0x300"
> set hint.le.0.irq="5"
> set hint.le.0.maddr="0xd0000"
> set hint.lnc.0.at="isa"
> set hint.lnc.0.disabled="1"
> set hint.lnc.0.port="0x280"
> set hint.lnc.0.irq="10"
> set hint.lnc.0.drq="0"
> load /kernel
/kernel text=0x23b500 data=0x2f024+0x4bedc /
> echo \007\007

> echo Please insert MFS root floppy and press enter:
Please insert MFS root floppy and press enter:
> read

> load -t mfs_root /mfsroot
> set hint.acpi.0.disabled=1
> set driver_floppy=YES
> set module_path="/modules;/dist"
> echo \007\007
```

```
> autoboot 10
```

Hit [Enter] to boot immediately, or any other key for command prompt.

Booting [/kernel]...

131072K of memory above 4GB ignored

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FreeBSD 5.1-CURRENT-20031029-JPSNAP #0: Wed Oct 29 04:30:49 GMT 2003

root@ushi.jp.freebsd.org:/usr/obj/usr/src/sys/BOOTMFS

Preloaded elf kernel "/kernel" at 0xc0af1000.

Preloaded mfs_root "/mfsroot" at 0xc0af12c0.

Timecounter "i8254" frequency 1193182 Hz quality 0

CPU: Intel(R) Xeon(TM) CPU 2.40GHz (2399.33-MHz 686-class CPU)

Origin = "GenuineIntel" Id = 0xf25 Stepping = 5

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Features=0xbfebfbff<FPU,VME,DE,PSE,TSC,MSR,PAE,MCE,CX8,APIC,SEP,MTRR,PGE,MCA,CMOV,PAT,PSI
Hyperthreading: 2 logical CPUs
real memory = 4160225280 (3967 MB)
avail memory = 4043710464 (3856 MB)
Pentium Pro MTRR support enabled
md0: Preloaded image </mfsroot> 4423680 bytes at 0xc06b7400
npx0: [FAST]
npx0: <math processor> on motherboard
npx0: INT 16 interface
pcibios: BIOS version 2.10
Using \$PIR table, 29 entries at 0xc00fddf0
pcib0: <Host to PCI bridge> at pcibus 0 on motherboard
pci0: <PCI bus> on pcib0
pci_cfgintr: 0:29 INTA BIOS irq 11
pci_cfgintr: 0:29 INTB BIOS irq 10
pci_cfgintr: 0:29 INTC BIOS irq 5
pci0: <unknown> at device 0.1 (no driver attached)
pcib1: <PCIBIOS PCI-PCI bridge> at device 2.0 on pci0
pci1: <PCI bus> on pcib1
pci1: <base peripheral, interrupt controller> at device 28.0 (no driver attached)
pcib2: <PCIBIOS PCI-PCI bridge> at device 29.0 on pci1
pci2: <PCI bus> on pcib2
pci1: <base peripheral, interrupt controller> at device 30.0 (no driver attached)
pcib3: <PCIBIOS PCI-PCI bridge> at device 31.0 on pci1
pci3: <PCI bus> on pcib3
pci_cfgintr: 3:2 INTA BIOS irq 11
pci_cfgintr: 3:2 INTB BIOS irq 11
pci3: <network, ethernet> at device 2.0 (no driver attached)
pci3: <network, ethernet> at device 2.1 (no driver attached)
pcib4: <PCIBIOS PCI-PCI bridge> at device 3.0 on pci0
pci4: <PCI bus> on pcib4
pci4: <base peripheral, interrupt controller> at device 28.0 (no driver attached)
pcib5: <PCIBIOS PCI-PCI bridge> at device 29.0 on pci4
pci5: <PCI bus> on pcib5
pci4: <base peripheral, interrupt controller> at device 30.0 (no driver attached)
pcib6: <PCIBIOS PCI-PCI bridge> at device 31.0 on pci4
pci6: <PCI bus> on pcib6
pci_cfgintr: 6:1 INTA BIOS irq 12
asr0: <Adaptec Caching SCSI RAID> mem
0xfc000000-0xfdffffff,0xfb000000-0xfbffffff,0xf8400000-0xf84ffffff irq 12 at device 1.0 on pci6
asr0: major=154
asr0: ADAPTEC 2010S FW Rev. 3B05, 2 channel, 256 CCBs, Protocol I2O
uhci0: <Intel 82801CA/CAM (ICH3) USB controller USB-A> port 0x2000-0x201f irq 11 at device 29.0 on
pci0
usb0: <Intel 82801CA/CAM (ICH3) USB controller USB-A> on uhci0
usb0: USB revision 1.0
uhub0: Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1
uhub0: 2 ports with 2 removable, self powered
uhci1: <Intel 82801CA/CAM (ICH3) USB controller USB-B> port 0x2020-0x203f irq 10 at device 29.1 on
pci0
usb1: <Intel 82801CA/CAM (ICH3) USB controller USB-B> on uhci1

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usb1: USB revision 1.0
uhub1: Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1
uhub1: 2 ports with 2 removable, self powered
uhci2: <Intel 82801CA/CAM (ICH3) USB controller USB-C> port 0x2040-0x205f irq 5 at device 29.2 on pci0
usb2: <Intel 82801CA/CAM (ICH3) USB controller USB-C> on uhci2
usb2: USB revision 1.0
uhub2: Intel UHCI root hub, class 9/0, rev 1.00/1.00, addr 1
uhub2: 2 ports with 2 removable, self powered
pcib7: <PCIBIOS PCI-PCI bridge> at device 30.0 on pci0
pci7: <PCI bus> on pcib7
pci_cfgintr: 7:1 INTA BIOS irq 11
pci7: <display, VGA> at device 1.0 (no driver attached)
isab0: <PCI-ISA bridge> at device 31.0 on pci0
isa0: <ISA bus> on isab0
atapci0: <Intel ICH3 UDMA100 controller> port 0x2060-0x206f,0x374-0x377,0x170-0x177,0x3f4-0x3f7,0x1f0-0x1f7 at device 31.1 on pci0
ata0: at 0x1f0 irq 14 on atapci0
ata0: [MPSAFE]
ata1: at 0x170 irq 15 on atapci0
ata1: [MPSAFE]
pci0: <serial bus, SMBus> at device 31.3 (no driver attached)
orm0: <Option ROMs> at iomem 0xe0000-0xe3fff,0xdc000-0xdffff,0xc9000-0xcefff,0xc8000-0xc8fff,0xc0000-0xc7fff on isa0
atkbd0: <Keyboard controller (i8042)> at port 0x64,0x60 on isa0
fdc0: <Enhanced floppy controller (i82077, NE72065 or clone)> at port 0x3f7,0x3f0-0x3f5 irq 6 drq 2 on isa0
fdc0: FIFO enabled, 8 bytes threshold
fd0: <1440-KB 3.5" drive> on fdc0 drive 0
ppc0: <Parallel port> at port 0x378-0x37f irq 7 on isa0
ppc0: SMC-like chipset (ECP/EPP/PS2/NIBBLE) in COMPATIBLE mode
ppc0: FIFO with 16/16/9 bytes threshold
ppbus0: <Parallel port bus> on ppc0
sc0: <System console> at flags 0x100 on isa0
sc0: VGA <16 virtual consoles, flags=0x100>
sio0 at port 0x3f8-0x3ff irq 4 flags 0x10 on isa0
sio0: type 16550A, console
sio1 at port 0x2f8-0x2ff irq 3 on isa0
sio1: type 16550A
vga0: <Generic ISA VGA> at port 0x3c0-0x3df iomem 0xa0000-0xbffff on isa0

freebsd-current@freebsd.org mailing list

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