

# can't get dmesg to find Boca multiport serial card

*Source:* <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/questions/2003-09/1830.html>

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**Date:** 09/17/03

To: [freebsd-questions@FreeBSD.org](mailto:freebsd-questions@FreeBSD.org)

Date: Wed, 17 Sep 2003 07:28:32 -0400

I am trying to get a Boca 8 port serial card running under 4.8-STABLE. dmesg doesn't see the serial ports at all.

I've added the following to my kernel, compiled it, and installed:

```
options COM_MULTIPORT #code for some cards with
shared IRQs
```

```
device sio4 at isa? port 0x100 flags 0xb05
```

```
device sio5 at isa? port 0x108 flags 0xb05
```

```
device sio6 at isa? port 0x110 flags 0xb05
```

```
device sio7 at isa? port 0x118 flags 0xb05
```

```
device sio8 at isa? port 0x120 flags 0xb05
```

```
device sio9 at isa? port 0x128 flags 0xb05
```

```
device sio10 at isa? port 0x130 flags 0xb05
```

```
device sio11 at isa? port 0x138 flags 0xb05 irq 10
```

With regards to devices:

```
$ ls /dev/sio*
```

```
ls: /dev/sio*: No such file or directory
```

I haven't done any MAKDEVs. Is that necessary. I thought not because I'm seeing this:

```
sio0: configured irq 4 not in bitmap of probed irqs 0
```

```
sio0 at port 0x3f8-0x3ff irq 4 flags 0x10 on isa0
```

```
sio0: type 8250
```

```
sio1: configured irq 3 not in bitmap of probed irqs 0
```

Clues please?

Here's the card:

<http://www.fhttp://www.freebsd-diary.org/images/boca-8-port-serial-card.jpg>

Here's dmesg output:

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FreeBSD 4.8-STABLE #4: Fri Sep 12 09:26:38 EDT 2003

dan@polo.example.org:/usr/obj/usr/src/sys/DUCKY

Timecounter "i8254" frequency 1193182 Hz

CPU: Cyrix 6x86 (486-class CPU)

Origin = "CyrixInstead" DIR=0x1531 Stepping=1 Revision=5

CPU cache: write-through mode

real memory = 67108864 (65536K bytes)

config> di pcic0

config> di psm0

config> di sn0

config> di lnc0

config> di ie0

config> di fe0

config> di cs0

config> di bt0

config> di aic0

config> di aha0

config> di adv0

config> q

avail memory = 61128704 (59696K bytes)

Preloaded elf kernel "kernel" at 0xc041f000.

Preloaded userconfig\_script "/boot/kernel.conf" at 0xc041f09c.

md0: Malloc disk

npx0: <math processor> on motherboard

npx0: INT 16 interface

pcib0: <Host to PCI bridge> on motherboard

pci0: <PCI bus> on pcib0

isab0: <Intel 82371SB PCI to ISA bridge> at device 7.0 on pci0

isa0: <ISA bus> on isab0

atapci0: <Intel PIIX3 ATA controller> port 0xf000-0xf00f at device 7.1 on pci0

ata0: at 0x1f0 irq 14 on atapci0

ata1: at 0x170 irq 15 on atapci0

r10: <RealTek 8139 10/100BaseTX> port 0x6000-0x60ff mem 0xe0000000-0xe00000ff irq 9 at device 17.0 on pci0

r10: Ethernet address: 00:50:bf:17:70:13

miibus0: <MII bus> on r10

r1phy0: <RealTek internal media interface> on miibus0

r1phy0: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, auto

orm0: <Option ROM> at iomem 0xc0000-0xc7fff on isa0

fdc0: ready for input in output

fdc0: cmd 3 failed at out byte 1 of 3

atkbdc0: <Keyboard controller (i8042)> at port 0x60,0x64 on isa0

atkbd0: <AT Keyboard> irq 1 on atkbdc0

vga0: <Generic ISA VGA> at port 0x3c0-0x3df iomem 0xa0000-0xbffff on isa0

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```
sc0: <System console> on isa0
sc0: VGA <16 virtual consoles, flags=0x200>
sio0: configured irq 4 not in bitmap of probed irqs 0
sio0 at port 0x3f8-0x3ff irq 4 flags 0x10 on isa0
sio0: type 8250
sio1: configured irq 3 not in bitmap of probed irqs 0
ppc0: parallel port not found.
ed0 at port 0x280-0x29f iomem 0xd800 irq 10 on isa0
ed0: address 00:c0:df:b0:0a:2b, type NE2000 (16 bit)
IP Filter: v3.4.31 initialized. Default = block all, Logging =
enabled
ad0: 9541MB <ST310211A> [19386/16/63] at ata0-master WDMA2
acd0: CDROM <HL-DT-ST CD-ROM GCR-8520B> at ata0-slave PIO4
Mounting root from ufs:/dev/ad0s1a
```

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