

Re: bge drivers does not work for 3COM 3C996-SX / 3C996B-T

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/stable/2003-12/0232.html>

From: Hideki Yamamoto (yamamoto436_at_oki.com)

Date: 12/29/03

Date: Mon, 29 Dec 2003 18:42:07 +0900 (JST)

To: wes@softweyr.com

Dear Paters,

Thank you for your reply.

From: Wes Peters <wes@softweyr.com>

Subject: Re: bge drivers does not work for 3COM 3C996-SX / 3C996B-T

Date: Sun, 28 Dec 2003 20:59:47 -0800

Message-ID: <200312282059.47990.wes@softweyr.com>

> On Sunday 28 December 2003 04:01 am, Hideki Yamamoto wrote:

> > Hi,

> >

> > I tried today's 4.9-stable on a FreeBSD box with two 3COM 3C996-SXs and

> > two onboard BMC5703 chips. 3COM 3C996-SX boards are linkup, but the

> > other side, an SX I/F on SUN F280 is not linkup.

> > When doing ping command to SUN, LED on 3C996 are brinking but

> > nothing happens to SUN board.

> > I changed bge0 to bge2, but the situation is the same.

> > Hardware diagram is as follows. bge0 can connect to the router or

> > another PC with intel SX board.

> > Is this related to AUTO negotiation? I cannot find any parameters

> > about AUTO negotiation in 'bge' driver source.

> >

> > Any help would be greatly appreciated.

> >

> > Hideki Yamamoto

> >

> > +-----+

> >

> > | (bge0)3C996-SX+-----+[Router]

> > |

> > | (bge2)3C996-SX+-----+[SUN F280]

> >

> > +-----+

> >

Re: bge drivers does not work for 3COM 3C996-SX / 3C996B-T

freebsd-stable: Re: bge drivers does not work for 3COM 3C996-SX / 3C996B-T

> > bge0: <Broadcom BCM5701 Gigabit Ethernet, ASIC rev. 0x105> mem
> > 0xf7ef0000-0xf7efffff irq 10 at device 1.0 on pci1 bge0: Ethernet
> > address: 00:04:76:e1:06:cf
>
> No miibus or PHY on bge0?

Sorry, I cannot answer because my knowledge is not sufficient.

> > bge1: <Broadcom BCM5703 Gigabit Ethernet, ASIC rev. 0x1002> mem
> > 0xf7ee0000-0xf7eeffff irq 11 at device 2.0 on pci1 bge1: Ethernet
> > address: 00:0b:cd:d2:b0:40
> > miibus0: <MII bus> on bge1
> > brgphy0: <BCM5703 10/100/1000baseTX PHY> on miibus0
> > brgphy0: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, 1000baseTX,
> > 1000baseTX-FDX, auto pcib2: <Host to PCI bridge> on motherboard
>
> Apparently this is a copper (1000baseTX) card, right?

Yes.

Both bge1 and bge3 are onboard 1000/100/10base copper cards.

These are based on BCM5703.

Both bge0 and bge2 are SX cards.

> > bge2: <Broadcom BCM5701 Gigabit Ethernet, ASIC rev. 0x105> mem
> > 0xf7ff0000-0xf7ffff irq 15 at device 1.0 on pci4 bge2: Ethernet
> > address: 00:0a:5e:1d:83:25
> > bge3: <Broadcom BCM5703 Gigabit Ethernet, ASIC rev. 0x1002> mem
> > 0xf7fe0000-0xf7feffff irq 16 at device 2.0 on pci4 bge3: Ethernet
> > address: 00:0b:cd:d2:b0:3b
>
> Again, no miibus or PHY on bge2 and bge3? Are these both SX cards?

Would you tell me how to gather additional information?

> Where am I, and what am I doing in this handbasket?

>

> Wes Peters wes@softweyr.com

>

Regards,

Hideki Yamamoto

freebsd-stable@freebsd.org mailing list

<http://lists.freebsd.org/mailman/listinfo/freebsd-stable>

To unsubscribe, send any mail to "freebsd-stable-unsubscribe@freebsd.org"