

RE: Award Bios, ACPI, Mouse and PR 55473???

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/current/2003-12/1746.html>

From: John Baldwin (jhb_at_FreeBSD.org)

Date: 12/23/03

Date: Tue, 23 Dec 2003 12:02:37 -0500 (EST)

To: Brian Black <BlackBsd@Mountain.Net>

On 23-Dec-2003 Brian Black wrote:

> hi,
> I have been trying to post to different lists looking for a
> solution. though i have found some advice i have not found the
> solution. i was recently informed that i should post this question to
> the -current list(i should of done this earlier). I have a "Soyo Dragon
> Light" mother board which has this award bios. I have verified that my
> bios has been flashed with the most up-to date version(Well whatever the
> motherboard manufacture says).
> Now am certainly not a kernel hacker but i do understand a little
> bit of C code. The PR goes on to talk about a "Fix", which involves
> editing the "/usr/sys/dev/acpica/acpi_pci_link.c". After making the
> changes i had no luck :-(. Now i have been told that some people with
> this bios are not affected. Well would'nt that mean the the bios are
> not the same? I have contacted "Soyo" on this matter. They state on
> their web site that freebsd is supported, but have not returned my
> e-mail.
> How would i be able to determine weather this problem can be fixed
> by FreeBSD or the manufacture of the mother board? Is This problem
> being looked at for 5.2R i have not been able to really sink into using
> the new 5.x series because of this problem(So what i like GUI's a
> little). ; -)

Hmm, yes.

Can you try the patch at

http://www.FreeBSD.org/~jhb/patches/acpi_link_sta.patch

Index: `acpi_pci_link.c`

```
=====
RCS file: /usr/cvs/src/sys/dev/acpica/acpi_pci_link.c,v
retrieving revision 1.11
diff -u -r1.11 acpi_pci_link.c
--- acpi_pci_link.c 18 Dec 2003 03:25:22 -0000 1.11
+++ acpi_pci_link.c 23 Dec 2003 16:29:35 -0000
@@ -489,7 +489,16 @@
```

freebsd-current: RE: Award Bios, ACPI, Mouse and PR 55473???

```
    return_ACPI_STATUS (error);
}

- if (!(sta & (ACPI_STA_PRESENT | ACPI_STA_FUNCTIONAL))) {
+ /*
+ * We really should not use link devices that aren't enabled,
+ * but if they are marked as either functional or enabled, we
+ * assume they are ok.
+ *
+ * XXX: The PCI bridge code requires that both PRESENT and
+ * ENABLE are set in a separate check.
+ */
+ if ((sta & ACPI_STA_PRESENT) == 0 ||
+ (sta & (ACPI_STA_ENABLE | ACPI_STA_FUNCTIONAL)) == 0) {
    ACPI_DEBUG_PRINT((ACPI_DB_ERROR,
        "PCI interrupt link is not functional - %s\n",
        acpi_name(handle)));
}
```

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John Baldwin <jhb@FreeBSD.org> <>< <http://www.FreeBSD.org/~jhb/>
"Power Users Use the Power to Serve!" - <http://www.FreeBSD.org/>

freebsd-current@freebsd.org mailing list

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