

DragonFlyBSD - Bug #604

1.8.1-RELEASE - clock runs fast on mainboard ASUS P5A-B

04/18/2007 11:55 AM - yeti

Status:	In Progress	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	ACPI	Estimated time:	0.00 hour
Target version:	4.0.x		
Description			
After a fresh install of 1.8.1-RELEASE on a system with ASUS P5A-B mainboard (ALI chipset), the clock runs twice as fast as normal.			
Booting with ACPI disabled solved this problem.			
The clock problem on some ATI chipsets was a problem in Linux some kernels ago too. The solution was triggered by clock=pit as bootarg if I remember right... maybe having a peek into Linux's code helps.			

History

#1 - 04/19/2007 05:11 PM - dillon

:After a fresh install of 1.8.1-RELEASE on a system with ASUS P5A-B mainboard (ALI chipset), the clock runs twice as fast as normal.
:
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:
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Could you post the full dmesg output with and without ACPI enabled?

-Matt
Matthew Dillon
<dillon@backplane.com>

#2 - 04/19/2007 06:09 PM - yeti

2 files attached.

#3 - 04/19/2007 06:35 PM - dillon

:2 files attached.

Hmm. That's odd. Boot with ACPI and do this:

```
sysctl kern.cputimer
```

I'm guessing it is using the ACPI timer, but I don't know why it would be running so fast.

You can disable the use of the ACPI timer without disabling ACPI itself by putting this in your /boot/loader.conf file:

```
debug.acpi.disable=timer
```

-Matt

#4 - 04/19/2007 06:58 PM - swildner

Small correction: it's "debug.acpi.disabled" :)

Sascha

#5 - 04/19/2007 07:33 PM - yeti

```
# sysctl kern.cputimer
kern.cputimer.select: ACPI-safe i8254_timer2 dummy
kern.cputimer.name: ACPI-safe
kern.cputimer.clock: 1215945362
kern.cputimer.freq: 3579545
```

Ok.

```
# sysctl kern.cputimer
kern.cputimer.select: i8254_timer2 dummy
kern.cputimer.name: i8254_timer2
kern.cputimer.clock: 108355686
kern.cputimer.freq: 1193182
```

sleep 5 now is 5 reallife seconds...

New dmesg output attached.

#6 - 11/15/2014 01:53 AM - cnb

- *Description updated*
- *Target version set to 4.0.x*

I'm not using the acpi timer but the issue is still present on Dragonflybsd 4.1

```
kern.cputimer.intr.select: lapic
kern.cputimer.intr.freq: 99677705
kern.cputimer.intr.reglist: lapic
kern.cputimer.freq: 1193182
kern.cputimer.clock: 3782540528
kern.cputimer.name: i8254_timer2
kern.cputimer.select: i8254_timer2 dummy
```

#7 - 11/15/2014 02:48 AM - tuxillo

- *Category set to ACPI*
- *Status changed from Closed to In Progress*
- *Assignee deleted (0)*

Hi,

It is worth mentioning that the hardware is not the same as in the original report.
In this case it's: <http://www.pcworld.com/product/1339817/general-dynamics-itronix-gobook-vr-2-notebook.html>

General Dynamics Itronix GoBook VR-2 Notebook

Cheers,
Antonio Huete

#8 - 11/18/2014 09:41 AM - cnb

Adding the debug.acpi.disabled="hpet timer" fixes the timer issue.

Files

acpi=off	3.74 KB	04/20/2007	yeti
acpi=on	4.32 KB	04/20/2007	yeti
acpitimer-off	4.25 KB	04/20/2007	yeti