

Linux-Kernel: 2.6.12.2 -- time passes faster; related to the acpi_register_gsi() call

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Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2005-07/2045.html>

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Date: 07/08/05

Date: Fri, 8 Jul 2005 23:12:03 +0200

To: linux-kernel@vger.kernel.org

Hello, guys.

Time started to pass faster with 2.6.12.2 (actually, it was 2.6.12-ck3 which is based on it). I have isolated the cause of the problem:

```
---- linux-2.6.12-ck2-rudo/drivers/acpi/pci_irq.c 2005-07-08 10:16:53.000000000 +0200
+++ linux-2.6.12-ck-rudo/drivers/acpi/pci_irq.c 2005-07-03 21:06:10.000000000 +0200
@@ -435,6 +435,7 @@
     /* Interrupt Line values above 0xF are forbidden */
     if (dev->irq >= 0 && (dev->irq <= 0xF)) {
         printk(" - using IRQ %d\n", dev->irq);
+ acpi_register_gsi(dev->irq, ACPI_LEVEL_SENSITIVE, ACPI_ACTIVE_LOW);
         return_VALUE(0);
     }
     else {
```

2.6.12, which does not have this change, works obviously fine. Is this a bug in my hardware?

Dmesg did not reveal anything extraordinary, compared to previous kernels (apart from the DMA timeout on hdd, that is). Both dmesg and lspci -vv outputs are attached.

Thanks for any help.

Rudo.

0000:00:00.0 Host bridge: VIA Technologies, Inc. VT8366/A/7 [Apollo KT266/A/333]

Subsystem: ASUSTeK Computer Inc. A7V333 Mainboard

Control: I/O- Mem+ BusMaster+ SpecCycle- MemWINV- VGASnoop- ParErr- Stepping- SERR- FastB2B-

Status: Cap+ 66Mhz+ UDF- FastB2B- ParErr- DEVSEL=medium >TAbort- <TAbort- <MAbort+ >SERR- <PERR-

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Latency: 0

Region 0: Memory at f0000000 (32-bit, prefetchable)

Capabilities: [a0] AGP version 2.0

Status: RQ=32 Iso- ArqSz=0 Cal=0 SBA+ ITACoh- GART64- HTrans- 64bit- FW+ AGP3-
Rate=x1,x2