

# [PATCH 1 of 4] x86-64: Calgary IOMMU: print PCI bus numbers in hex

---

*Source:* <http://linux.derkeiler.com/Mailing-Lists/Kernel/2006-09/msg09038.html>

---

- *From:* Muli Ben-Yehuda <[mulixxxxxxxxxx](mailto:mulixxxxxxxxxx)>
  - *Date:* Sat, 30 Sep 2006 11:43:29 +0300
- 

1 files changed, 4 insertions(+), 4 deletions(-)  
arch/x86\_64/kernel/pci-calgary.c | 8 ++++-----

```
# HG changeset patch
# User Muli Ben-Yehuda <mulixxxxxxxxxx>
# Date 1159604172 -10800
# Node ID 28658cf477bc8c6adc5a5335363a4d1428f58273
# Parent 585e6c1736a2a8b419ae9b8dc5055ee8774ba57f
x86-64: Calgary IOMMU: print PCI bus numbers in hex
```

From: Jon Mason <[jdmasonxxxxxxxx](mailto:jdmasonxxxxxxxx)>

Make the references to the bus number in hex instead of decimal, as that is the way that lspci prints out the bus numbers.

Signed-off-by: Jon Mason <[jdmasonxxxxxxxx](mailto:jdmasonxxxxxxxx)>  
Signed-off-by: Muli Ben-Yehuda <[mulixxxxxxxxxx](mailto:mulixxxxxxxxxx)>

```
diff -r 585e6c1736a2 -r 28658cf477bc arch/x86_64/kernel/pci-calgary.c
--- a/arch/x86_64/kernel/pci-calgary.c Sat Sep 30 11:13:54 2006 +0300
+++ b/arch/x86_64/kernel/pci-calgary.c Sat Sep 30 11:16:12 2006 +0300
@@ -715,7 +715,7 @@ static void calgary_watchdog(unsigned lo
```

```
/* If no error, the agent ID in the CSR is not valid */
if (val32 & CSR_AGENT_MASK) {
- printk(KERN_EMERG "calgary_watchdog: DMA error on bus %d, "
+ printk(KERN_EMERG "calgary_watchdog: DMA error on PHB %#x, "
"CSR = %#x\n", dev->bus->number, val32);
writel(0, target);
```

```
@@ -749,7 +749,7 @@ static void __init calgary_enable_transl
val32 = be32_to_cpu(readl(target));
val32 |= PHB_TCE_ENABLE | PHB_DAC_DISABLE | PHB_MCSR_ENABLE;

- printk(KERN_INFO "Calgary: enabling translation on PHB %d\n", busnum);
+ printk(KERN_INFO "Calgary: enabling translation on PHB %#x\n", busnum);
printk(KERN_INFO "Calgary: errant DMAs will now be prevented on this "
```

[PATCH 1 of 4] x86-64: Calgary IOMMU: print PCI bus numbers in hex

```
"bus.\n");
```

```
@@ -779,7 +779,7 @@ static void __init calgary_disable_trans  
val32 = be32_to_cpu(readl(target));  
val32 &= ~(PHB_TCE_ENABLE | PHB_DAC_DISABLE | PHB_MCSR_ENABLE);
```

```
- printk(KERN_INFO "Calgary: disabling translation on PHB %d!\n", busnum);  
+ printk(KERN_INFO "Calgary: disabling translation on PHB %#x!\n", busnum);  
writel(cpu_to_be32(val32), target);  
readl(target); /* flush */
```

```
@@ -1053,7 +1053,7 @@ static int __init calgary_parse_options(  

```

```
if (bridge < MAX_PHB_BUS_NUM) {  
printk(KERN_INFO "Calgary: disabling "  
- "translation for PHB 0x%x\n", bridge);  
+ "translation for PHB %#x\n", bridge);  
bus_info[bridge].translation_disabled = 1;  
}  
}
```

-  
To unsubscribe from this list: send the line "unsubscribe linux-kernel" in  
the body of a message to majordomo@xxxxxxxxxxxxxxxxxxx

More majordomo info at <http://vger.kernel.org/majordomo-info.html>

Please read the FAQ at <http://www.tux.org/lkml/>