

# [PATCH 1/2] arcmsr: Fix hardware wait loops

---

*Source:* <http://linux.derkeiler.com/Mailing-Lists/Kernel/2007-07/msg11957.html>

---

- *From:* Jeff Garzik <jeff@xxxxxxxxxx>
  - *Date:* Fri, 27 Jul 2007 13:00:48 -0400
- 

IMO this belongs in 2.6.23-rc.

Committed to 'arcmsr' branch of  
[git://git.kernel.org/pub/scm/linux/kernel/git/jgarzik/misc-2.6.git](http://git.kernel.org/pub/scm/linux/kernel/git/jgarzik/misc-2.6.git)

commit f9f7b1384995626e1a80322faef3f7cca97aa7ae  
Author: Jeff Garzik <jeff@xxxxxxxxxx>  
Date: Fri Jul 27 12:57:38 2007 -0400

[SCSI] arcmsr: Fix hardware wait loops

Remove `_interruptible`, since receiving a signal while waiting on a hardware condition will simply cause the driver to busy-wait.

Using `msleep_interruptible()` is rarely the right thing to do, when waiting on a hardware condition to change.

Also, replace `msleep` with `ssleep` while doing this, where appropriate.

Signed-off-by: Jeff Garzik <jeff@xxxxxxxxxx>

drivers/scsi/arcmsr/arcmsr\_hba.c | 8 +++++---  
1 file changed, 5 insertions(+), 3 deletions(-)

```
f9f7b1384995626e1a80322faef3f7cca97aa7ae
diff ---git a/drivers/scsi/arcmsr/arcmsr_hba.c b/drivers/scsi/arcmsr/arcmsr_hba.c
index 0ddfc21..ae26ed4 100644
--- a/drivers/scsi/arcmsr/arcmsr_hba.c
+++ b/drivers/scsi/arcmsr/arcmsr_hba.c
@@ -540,7 +540,7 @@ static uint8_t arcmsr_wait_msgint_ready(struct AdapterControlBlock *acb)
, &reg->outbound_intstatus);
return 0x00;
}
- msleep_interruptible(10);
+ msleep(10);
}/*max 1 seconds*/
} while (Retries++ < 20);/*max 20 sec*/
```

[PATCH 1/2] arcmsr: Fix hardware wait loops

```
return 0xff;
@@ -1421,8 +1421,10 @@ static void arcmsr_iop_reset(struct AdapterControlBlock *acb)
if (atomic_read(&acb->ccboutstandingcount) != 0) {
/* talk to iop 331 outstanding command aborted */
arcmsr_abort_allcmd(acb);
+
/* wait for 3 sec for all command aborted*/
- msleep_interruptible(3000);
+ ssleep(3);
+
/* disable all outbound interrupt */
intmask_org = arcmsr_disable_outbound_ints(acb);
/* clear all outbound posted Q */
@@ -1468,7 +1470,7 @@ static void arcmsr_abort_one_cmd(struct AdapterControlBlock *acb,
/*
** Wait for 3 sec for all command done.
*/
- msleep_interruptible(3000);
+ ssleep(3);

intmask = arcmsr_disable_outbound_ints(acb);
arcmsr_polling_ccbdone(acb, ccb);
-
```

To unsubscribe from this list: send the line "unsubscribe linux-kernel" in  
the body of a message to majordomo@xxxxxxxxxxxxxxxxx  
More majordomo info at <http://vger.kernel.org/majordomo-info.html>  
Please read the FAQ at <http://www.tux.org/lkml/>