

[PATCH] ipack: add error handling for ioremap\_nocache

3 messages

Zhouyang Jia <jiazhouyang09@gmail.com>  
Cc: Zhouyang Jia <jiazhouyang09@gmail.com>, Samuel Iglesias Gonsalvez <siglesias@igalia.com>, Jens Taprogge <jens.taprogge@taprogge.org>, Greg Kroah-Hartman <gregkh@linuxfoundation.org>, industrypack-devel@lists.sourceforge.net, linux-kernel@vger.kernel.org

Mon, Jun 11, 2018 at 11:07 PM

When ioremap\_nocache fails, the lack of error-handling code may cause unexpected results.

This patch adds error-handling code after calling ioremap\_nocache.

Signed-off-by: Zhouyang Jia <jiazhouyang09@gmail.com>

```
---
drivers/ipack/carriers/pci200.c | 7 ++++++
1 file changed, 7 insertions(+)

diff --git a/drivers/ipack/carriers/pci200.c b/drivers/ipack/carriers/pci200.c
index 9b23843..1812f51 100644
--- a/drivers/ipack/carriers/pci200.c
+++ b/drivers/ipack/carriers/pci200.c
@@ -304,6 +304,13 @@ static int tpci200_register(struct tpci200_board *tpci200)
    ioremap_nocache(pci_resource_start(tpci200->info->pdev,
                                     TPCI200_IP_INTERFACE_BAR),
                                     TPCI200_IFACE_SIZE);
+    if (!tpci200->info->interface_regs) {
+        dev_err(&tpci200->info->pdev->dev,
+               "(bn 0x%X, sn 0x%X) failed to map driver user space!",
+               tpci200->info->pdev->bus->number,
+               tpci200->info->pdev->devfn);
+        goto out_release_mem0_space;
+    }

    /* Initialize lock that protects interface_regs */
    spin_lock_init(&tpci200->regs_lock);
--
2.7.4
```

**Samuel Iglesias Gonsálvez** <siglesias@igalia.com>  
To: Zhouyang Jia <jiazhouyang09@gmail.com>  
Cc: Jens Taprogge <jens.taprogge@taprogge.org>, Greg Kroah-Hartman <gregkh@linuxfoundation.org>, industrypack-devel@lists.sourceforge.net, linux-kernel@vger.kernel.org

Tue, Jun 12, 2018 at 1:00 AM

Hello Markus,

Thanks for the patch!

Patch is,

Acked-by: Samuel Iglesias Gonsalvez <siglesias@igalia.com>

Greg, Would you mind picking this patch series through your char-misc tree?

Thanks!

Sam

[Quoted text hidden]

**Greg Kroah-Hartman** <gregkh@linuxfoundation.org>  
To: Samuel Iglesias Gonsálvez <siglesias@igalia.com>  
Cc: Zhouyang Jia <jiazhouyang09@gmail.com>, Jens Taprogge <jens.taprogge@taprogge.org>, industrypack-devel@lists.sourceforge.net, linux-kernel@vger.kernel.org

Tue, Jun 12, 2018 at 2:33 AM

On Tue, Jun 12, 2018 at 07:00:55AM +0200, Samuel Iglesias Gonsálvez wrote:

> Hello Markus,

>

> Thanks for the patch!

>

> Patch is,

>

> Acked-by: Samuel Iglesias Gonsalvez <siglesias@igalia.com>

>

> Greg, Would you mind picking this patch series through your char-misc

> tree?

Will do after 4.18-rc1 is out, thanks.

greg k-h