



index : kernel/git/stable/linux.git

master



switch

Linux kernel stable tree

Stable Group

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author Henry Martin <bsdhenrymartin@gmail.com> 2025-04-04 14:14:38 +0800
committer Greg Kroah-Hartman <gregkh@linuxfoundation.org> 2025-05-02 07:40:46 +0200
commit 17d5e6e915fad5a261db3698c9c5bbe702102d7c (patch)
tree 1a57204110ef74366aa7a42889d71fc0cfb769c7
parent 7222a9d1c9246944d284902fb9aed25613dd0ece (diff)
download linux-17d5e6e915fad5a261db3698c9c5bbe702102d7c.tar.gz

diff options

context: 3
space: include
mode: unified

ata: pata_pxa: Fix potential NULL pointer dereference in pxa_ata_probe()

[Upstream commit ad320e408a8c95a282ab9c05cdf0c9b95e317985]

devm_ioremap() returns NULL on error. Currently, pxa_ata_probe() does not check for this case, which can result in a NULL pointer dereference.

Add NULL check after devm_ioremap() to prevent this issue.

Fixes: 2dc6c6f15da9 ("[ARM] pata_pxa: DMA-capable PATA driver")

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Diffstat

-rw-r--r-- drivers/ata/pata_pxa.c 6

1 files changed, 6 insertions, 0 deletions

diff --git a/drivers/ata/pata_pxa.c b/drivers/ata/pata_pxa.c

index 41430f79663c1a..3502bfb03c56cc 100644

--- a/drivers/ata/pata_pxa.c

+++ b/drivers/ata/pata_pxa.c

@@ -223,10 +223,16 @@ static int pxa_ata_probe(struct platform_device *pdev)

```
        ap->ioaddr.cmd_addr      = devm_ioremap(&pdev->dev, cmd_res->start,
                                                resource_size(cmd_res));
+
+   if (!ap->ioaddr.cmd_addr)
+       return -ENOMEM;
        ap->ioaddr.ctl_addr       = devm_ioremap(&pdev->dev, ctl_res->start,
                                                resource_size(ctl_res));
+
+   if (!ap->ioaddr.ctl_addr)
+       return -ENOMEM;
        ap->ioaddr.bmdma_addr     = devm_ioremap(&pdev->dev, dma_res->start,
                                                resource_size(dma_res));
+
+   if (!ap->ioaddr.bmdma_addr)
+       return -ENOMEM;
+
+   /*
+    * Adjust register offsets
```