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committer Greg Kroah-Hartman <gregkh@linuxfoundation.org> 2025-05-02 07:43:51 +0200
commit d0d720f9282839b9db625a376c02a1426a16b0ae (patch)
tree 0a7f85ea791c4c0d25b751ad8056361437fb56c7
parent f7347f4005727f3155551c0550f4deb9c40b56c2 (diff)
download [linux-d0d720f9282839b9db625a376c02a1426a16b0ae.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
```