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master



switch

Linux kernel stable tree

Stable Group

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committer Greg Kroah-Hartman <gregkh@linuxfoundation.org> 2025-04-25 10:43:24 +0200
commit [2dc53c7a0c1f57b082931facafa804a7ca32a9a6](#) (patch)
tree [95b21f9badc8857e0b781fba768c689fd95a0079](#)
parent [d4d8662e6ec0faf4000de7f21309e0e08d49ceb1](#) (diff)
download [linux-2dc53c7a0c1f57b082931facafa804a7ca32a9a6.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 985f42c4fd700e..9113b74b2b67d4 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
```