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committer Greg Kroah-Hartman <gregkh@linuxfoundation.org> 2022-11-25 17:42:20 +0100
commit 27f712cd47d65e14cd52cc32a23d42aeef583d5d (patch)
tree 0aa6ec8837687f2503b07096319ce3c68b1c345e
parent 616c6695dd42fd19a660a097578010a353a0eea0 (diff)
download linux-27f712cd47d65e14cd52cc32a23d42aeef583d5d.tar.gz

diff options

context: 3 ▼
space: include ▼
mode: unified ▼

mmc: sdhci-pci: Fix possible memory leak caused by missing pci_dev_put()

commit 222cfa0118aa68687ace74aab8fdf77ce8fbd7e6 upstream.

pci_get_device() will increase the reference count for the returned pci_dev. We need to use pci_dev_put() to decrease the reference count before amd_probe() returns. There is no problem for the 'smbus_dev == NULL' branch because pci_dev_put() can also handle the NULL input parameter case.

Fixes: 659c9bc114a8 ("mmc: sdhci-pci: Build o2micro support in the same module")
Signed-off-by: Xiongfeng Wang <wangxiongfeng2@huawei.com>
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Signed-off-by: Ulf Hansson <ulf.hansson@linaro.org>
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Diffstat

```
-rw-r--r-- drivers/mmc/host/sdhci-pci- 2  
core.c
```

1 files changed, 2 insertions, 0 deletions

diff --git a/drivers/mmc/host/sdhci-pci-core.c b/drivers/mmc/host/sdhci-pci-core.c

index 1e19c0d0bca803..892c10950c81e6 100644

--- a/drivers/mmc/host/sdhci-pci-core.c

+++ b/drivers/mmc/host/sdhci-pci-core.c

```
@@ -1795,6 +1795,8 @@ static int amd_probe(struct sdhci_pci_chip *chip)
    }
}
```

```
+ pci_dev_put(smbus_dev);
```

```
+
```

```
if (gen == AMD_CHIPSET_BEFORE_ML || gen == AMD_CHIPSET_CZ)
    chip->quirks2 |= SDHCI_QUIRK2_CLEAR_TRANSFERMODE_REG_BEFORE_CMD;
```