Kernel driver i2c-nforce2

Supported adapters:

- nForce2 MCP 10de:0064
- nForce2 Ultra 400 MCP 10de:0084
- nForce3 Pro150 MCP 10de:00D4
- nForce3 250Gb MCP 10de:00E4
- nForce4 MCP 10de:0052
- nForce4 MCP-04 10de:0034
- nForce MCP51 10de:0264
- nForce MCP55 10de:0368
- nForce MCP61 10de:03EB
- nForce MCP65 10de:0446
- nForce MCP67 10de:0542
- nForce MCP73 10de:07D8
- nForce MCP78S 10de:0752
- nForce MCP79 10de:0AA2

Datasheet:

not publicly available, but seems to be similar to the AMD-8111 SMBus 2.0 adapter.

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Description

i2c-nforce2 is a driver for the SMBuses included in the nVidia nForce2 MCP.

If your `lspci -v` listing shows something like the following:

```
00:01.1 SMBus: nVidia Corporation: Unknown device 0064 (rev a2)
        Subsystem: Asustek Computer, Inc.: Unknown device 0c11
        Flags: 66Mhz, fast devsel, IRQ 5
        I/O ports at c000 [size=32]
        Capabilities: <available only to root>
```

then this driver should support the SMBuses of your motherboard.

Notes

The SMBus adapter in the nForce2 chipset seems to be very similar to the SMBus 2.0 adapter in the AMD-8111 south bridge. However, I could only get the driver to work with direct I/O access, which is different to the EC interface of the AMD-8111. Tested on Asus A7N8X. The ACPI DSDT table of the Asus A7N8X lists two SMBuses, both of which are supported by this driver.