

# Kernel driver i2c-ismt

Supported adapters:

- Intel S12xx series SOC's

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## Module Parameters

- `bus_speed` (unsigned int)

Allows changing of the bus speed. Normally, the bus speed is set by the BIOS and never needs to be changed. However, some SMBus analyzers are too slow for monitoring the bus during debug, thus the need for this module parameter. Specify the bus speed in kHz.

Available bus frequency settings:

0	no change
80	kHz
100	kHz
400	kHz
1000	kHz

## Description

The S12xx series of SOC's have a pair of integrated SMBus 2.0 controllers targeted primarily at the microserver and storage markets.

The S12xx series contain a pair of PCI functions. An output of `lspci` will show something similar to the following:

```
00:13.0 System peripheral: Intel Corporation Centerton SMBus 2.0 Controller 0
00:13.1 System peripheral: Intel Corporation Centerton SMBus 2.0 Controller 1
```