

Kernel driver ltc4215

Supported chips:

- Linear Technology LTC4215

Prefix: 'ltc4215'

Addresses scanned: 0x44

Datasheet:

<http://www.linear.com/pc/downloadDocument.do?navId=H0,C1,C1003,C1006,C1163,P17572,D12697>

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Description

The LTC4215 controller allows a board to be safely inserted and removed from a live backplane.

Usage Notes

This driver does not probe for LTC4215 devices, due to the fact that some of the possible addresses are unfriendly to probing. You will have to instantiate the devices explicitly.

Example: the following will load the driver for an LTC4215 at address 0x44 on I2C bus #0:

```
$ modprobe ltc4215
$ echo ltc4215 0x44 > /sys/bus/i2c/devices/i2c-0/new_device
```

Sysfs entries

The LTC4215 has built-in limits for overvoltage, undervoltage, and undercurrent warnings. This makes it very likely that the reference circuit will be used.

in1_input	input voltage
in2_input	output voltage
in1_min_alarm	input undervoltage alarm
in1_max_alarm	input overvoltage alarm
curr1_input	current
curr1_max_alarm	overcurrent alarm
power1_input	power usage
power1_alarm	power bad alarm