

# Kernel driver ltc3815

Supported chips:

- Linear Technology LTC3815

Prefix: 'ltc3815'

Addresses scanned: -

Datasheet: <http://www.linear.com/product/ltc3815>

Author: Guenter Roeck <[linux@roeck-us.net](mailto:linux@roeck-us.net)>

## Description

LTC3815 is a Monolithic Synchronous DC/DC Step-Down Converter.

## Usage Notes

This driver does not probe for PMBus devices. You will have to instantiate devices explicitly.

Example: the following commands will load the driver for an LTC3815 at address 0x20 on I2C bus #1:

```
# modprobe ltc3815
# echo ltc3815 0x20 > /sys/bus/i2c/devices/i2c-1/new_device
```

## Sysfs attributes

in1_label	"vin"
in1_input	Measured input voltage.
in1_alarm	Input voltage alarm.
in1_highest	Highest input voltage.
in1_reset_history	Reset input voltage history.
in2_label	"vout1".
in2_input	Measured output voltage.
in2_alarm	Output voltage alarm.
in2_highest	Highest output voltage.
in2_reset_history	Reset output voltage history.
temp1_input	Measured chip temperature.
temp1_alarm	Temperature alarm.
temp1_highest	Highest measured temperature.
temp1_reset_history	Reset temperature history.
curr1_label	"iin".
curr1_input	Measured input current.
curr1_highest	Highest input current.
curr1_reset_history	Reset input current history.
curr2_label	"iout1".
curr2_input	Measured output current.
curr2_alarm	Output current alarm.
curr2_highest	Highest output current.
curr2_reset_history	Reset output current history.