Kernel driver ir38064

Supported chips:

- Infineon IR38060

  Prefix: 'IR38060' Addresses scanned: -

  Datasheet: Publicly available at the Infineon website
  https://www.infineon.com/dgdl/Infineon-IR38060M-DS-v03_16-EN.pdf?fileId=5546d4625c167129015c3291ea9a4cee

- Infineon IR38064

  Prefix: 'ir38064' Addresses scanned: -

  Datasheet: Publicly available at the Infineon website
  https://www.infineon.com/dgdl/Infineon-IR38064MTRPBF-DS-v03_07-EN.pdf?fileId=5546d462584d1d4a0158db0d9efb67ca

- Infineon IR38164

  Prefix: 'ir38164' Addresses scanned: -

  Datasheet: Publicly available at the Infineon website
  https://www.infineon.com/dgdl/Infineon-IR38164M-DS-v02_02-EN.pdf?fileId=5546d462636cc8fb01640046efea1248

- Infineon ir38263

  Prefix: 'ir38263' Addresses scanned: -

  Datasheet: Publicly available at the Infineon website
  https://www.infineon.com/dgdl/Infineon-IR38263M-DataSheet-v03_05-EN.pdf?fileId=5546d4625b62cd8a015bcf81f90a6e52

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Description

IR38x6x are a Single-input Voltage, Synchronous Buck Regulator, DC-DC Converter.

Usage Notes

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

Sysfs attributes

curr1_label	"iout1"
curr1_input	Measured output current
curr1_crit	Critical maximum current
curr1_crit_alarm	Current critical high alarm
curr1_max	Maximum current
curr1_max_alarm	Current high alarm
in1_label	"vin"
in1_input	Measured input voltage
in1_crit	Critical maximum input voltage
in1_crit_alarm	Input voltage critical high alarm
in1_min	Minimum input voltage
in1_min_alarm	Input voltage low alarm
in2_label	"vout1"
in2_input	Measured output voltage
in2_lcrit	Critical minimum output voltage
in2_lcrit_alarm	Output voltage critical low alarm
in2_crit	Critical maximum output voltage
in2_crit_alarm	Output voltage critical high alarm
in2_max	Maximum output voltage

in2_max_alarm	Output voltage high alarm
in2_min	Minimum output voltage
in2_min_alarm	Output voltage low alarm
power1_label	"pout1"
power1_input	Measured output power
temp1_input	Measured temperature
temp1_crit	Critical high temperature
temp1_crit_alarm	Chip temperature critical high alarm
temp1_max	Maximum temperature
temp1_max_alarm	Chip temperature high alarm