

Kernel driver ir35221

Supported chips:

- Infineon IR35221

Prefix: 'ir35221'

Addresses scanned: -

Datasheet: Datasheet is not publicly available.

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Description

IR35221 is a Digital DC-DC Multiphase 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 IR35221 at address 0x70 on I2C bus #4:

```
# modprobe ir35221
# echo ir35221 0x70 > /sys/bus/i2c/devices/i2c-4/new_device
```

Sysfs attributes

curr1_label	"in"
curr1_input	Measured input current
curr1_max	Maximum current
curr1_max_alarm	Current high alarm
curr[2-3]_label	"out[1-2]"
curr[2-3]_input	Measured output current
curr[2-3]_crit	Critical maximum current
curr[2-3]_crit_alarm	Current critical high alarm
curr[2-3]_highest	Highest output current
curr[2-3]_lowest	Lowest output current
curr[2-3]_max	Maximum current
curr[2-3]_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_highest	Highest input voltage
in1_lowest	Lowest input voltage
in1_min	Minimum input voltage
in1_min_alarm	Input voltage low alarm
in[2-3]_label	"vout[1-2]"
in[2-3]_input	Measured output voltage
in[2-3]_lcrit	Critical minimum output voltage
in[2-3]_lcrit_alarm	Output voltage critical low alarm
in[2-3]_crit	Critical maximum output voltage
in[2-3]_crit_alarm	Output voltage critical high alarm
in[2-3]_highest	Highest output voltage
in[2-3]_lowest	Lowest output voltage
in[2-3]_max	Maximum output voltage
in[2-3]_max_alarm	Output voltage high alarm
in[2-3]_min	Minimum output voltage
in[2-3]_min_alarm	Output voltage low alarm
power1_label	"pin"
power1_input	Measured input power
power1_alarm	Input power high alarm
power1_max	Input power limit

power[2-3]_label	"pout[1-2]"
power[2-3]_input	Measured output power
power[2-3]_max	Output power limit
power[2-3]_max_alarm	Output power high alarm
temp[1-2]_input	Measured temperature
temp[1-2]_crit	Critical high temperature
temp[1-2]_crit_alarm	Chip temperature critical high alarm
temp[1-2]_highest	Highest temperature
temp[1-2]_lowest	Lowest temperature
temp[1-2]_max	Maximum temperature
temp[1-2]_max_alarm	Chip temperature high alarm