Kernel driver max20730

Supported chips:

- Maxim MAX20710

  Prefix: 'max20710'

  Addresses scanned: -

  Datasheet: https://datasheets.maximintegrated.com/en/ds/MAX20710.pdf
- Maxim MAX20730

  Prefix: 'max20730'

  Addresses scanned: -

  Datasheet: https://datasheets.maximintegrated.com/en/ds/MAX20730.pdf
- Maxim MAX20734

  Prefix: 'max20734'

  Addresses scanned: -

  Datasheet: https://datasheets.maximintegrated.com/en/ds/MAX20734.pdf
- Maxim MAX20743

  Prefix: 'max20743'

  Addresses scanned: -

  Datasheet: https://datasheets.maximintegrated.com/en/ds/MAX20743.pdf

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Description

This driver implements support for Maxim MAX20710, MAX20730, MAX20734, and MAX20743 Integrated, Step-Down Switching Regulators with PMBus support.

The driver is a client driver to the core PMBus driver. Please see Documentation/hwmon/pmbus.rst for details on PMBus client drivers.

Usage Notes

This driver does not auto-detect devices. You will have to instantiate the devices explicitly. Please see Documentation/i2c/instantiating-devices.rst for details.

Sysfs entries

curr1_crit	RW/RO	Critical output current. Please see datasheet for supported limits. Read-only if the chip is write protected; read-write otherwise.
curr1_crit_alarm	RO	Output current critical alarm
curr1_input	RO	Output current
curr1_label	RO	'iout1'
in1_alarm	RO	Input voltage alarm
in1_input	RO	Input voltage
in1_label	RO	'vin'
in2_alarm	RO	Output voltage alarm
in2_input	RO	Output voltage
in2_label	RO	'vout1'
temp1_crit	RW/RO	Critical temeperature. Supported values are 130 or 150 degrees C. Read-only if the chip is write protected; read-write otherwise.
temp1_crit_alarm	RO	Temperature critical alarm
temp1_input	RO	Chip temperature