Kernel driver mp5023

Supported chips:

- MPS MP5023

  Prefix: 'mp5023'

- Datasheet

  Publicly available at the MPS website : https://www.monolithicpower.com/en/mp5023.html

Author:

Howard Chiu <howard.chiu@quantatw.com>

Description

This driver implements support for Monolithic Power Systems, Inc. (MPS) MP5023 Hot-Swap Controller.

Device complaint with:

- PMBus rev 1.3 interface.

Device supports direct format for reading input voltage, output voltage, output current, input power and temperature.

The driver exports the following attributes via the 'sysfs' files for input voltage:

in1_input

in1_label

in1_max

in1_max_alarm

in1_min

in1_min_alarm

The driver provides the following attributes for output voltage:

in2_input

in2_label

in2_alarm

The driver provides the following attributes for output current:

curr1_input

curr1_label

curr1_alarm

curr1_max

The driver provides the following attributes for input power:

power1_input

power1_label

power1_alarm

The driver provides the following attributes for temperature:

temp1_input

temp1_max

temp1_max_alarm

temp1_crit

temp1_crit_alarm