

Kernel driver tmp421

Supported chips:

- * Texas Instruments TMP421
Prefix: 'tmp421'
Addresses scanned: I2C 0x2a, 0x4c, 0x4d, 0x4e and 0x4f
Datasheet: <http://focus.ti.com/docs/prod/folders/print/tmp421.html>
- * Texas Instruments TMP422
Prefix: 'tmp422'
Addresses scanned: I2C 0x2a, 0x4c, 0x4d, 0x4e and 0x4f
Datasheet: <http://focus.ti.com/docs/prod/folders/print/tmp421.html>
- * Texas Instruments TMP423
Prefix: 'tmp423'
Addresses scanned: I2C 0x2a, 0x4c, 0x4d, 0x4e and 0x4f
Datasheet: <http://focus.ti.com/docs/prod/folders/print/tmp421.html>

Authors:

Andre Prendel <andre.prendel@gmx.de>

Description

This driver implements support for Texas Instruments TMP421, TMP422 and TMP423 temperature sensor chips. These chips implement one local and up to one (TMP421), up to two (TMP422) or up to three (TMP423) remote sensors. Temperature is measured in degrees Celsius. The chips are wired over I2C/SMBus and specified over a temperature range of -40 to +125 degrees Celsius. Resolution for both the local and remote channels is 0.0625 degree C.

The chips support only temperature measurement. The driver exports the temperature values via the following sysfs files:

temp[1-4]_input
temp[2-4]_fault