Kernel driver tmp464

Supported chips:

- Texas Instruments TMP464

    Prefix: 'tmp464'

    Addresses scanned: I2C 0x48, 0x49, 0x4a and 0x4b

    Datasheet: http://focus.ti.com/docs/prod/folders/print/tmp464.html
- Texas Instruments TMP468

    Prefix: 'tmp468'

    Addresses scanned: I2C 0x48, 0x49, 0x4a and 0x4b

    Datasheet: http://focus.ti.com/docs/prod/folders/print/tmp468.html

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Description

This driver implements support for Texas Instruments TMP464 and TMP468 temperature sensor chips. TMP464 provides one local and four remote sensors. TMP468 provides one local and eight 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 measurements. The driver exports temperature values, limits, and alarms via the following sysfs files:

temp[1-9]_input

temp[1-9]_max

temp[1-9]_max_hyst

temp[1-9]_max_alarm

temp[1-9]_crit

temp[1-9]_crit_alarm

temp[1-9]_crit_hyst

temp[2-9]_offset

temp[2-9]_fault

Each sensor can be individually disabled via Devicetree or from sysfs via:

temp[1-9]_enable

If labels were specified in Devicetree, additional sysfs files will be present:

temp[1-9]_label

The update interval is configurable with the following sysfs attribute.

update_interval