

Kernel driver max6697

Supported chips:

- Maxim MAX6581
Prefix: 'max6581'
Datasheet: <http://datasheets.maximintegrated.com/en/ds/MAX6581.pdf>
- Maxim MAX6602
Prefix: 'max6602'
Datasheet: <http://datasheets.maximintegrated.com/en/ds/MAX6602.pdf>
- Maxim MAX6622
Prefix: 'max6622'
Datasheet: <http://datasheets.maximintegrated.com/en/ds/MAX6622.pdf>
- Maxim MAX6636
Prefix: 'max6636'
Datasheet: <http://datasheets.maximintegrated.com/en/ds/MAX6636.pdf>
- Maxim MAX6689
Prefix: 'max6689'
Datasheet: <http://datasheets.maximintegrated.com/en/ds/MAX6689.pdf>
- Maxim MAX6693
Prefix: 'max6693'
Datasheet: <http://datasheets.maximintegrated.com/en/ds/MAX6693.pdf>
- Maxim MAX6694
Prefix: 'max6694'
Datasheet: <http://datasheets.maximintegrated.com/en/ds/MAX6694.pdf>
- Maxim MAX6697
Prefix: 'max6697'
Datasheet: <http://datasheets.maximintegrated.com/en/ds/MAX6697.pdf>
- Maxim MAX6698
Prefix: 'max6698'
Datasheet: <http://datasheets.maximintegrated.com/en/ds/MAX6698.pdf>
- Maxim MAX6699
Prefix: 'max6699'
Datasheet: <http://datasheets.maximintegrated.com/en/ds/MAX6699.pdf>

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Description

This driver implements support for several MAX6697 compatible temperature sensor chips. The chips support one local temperature sensor plus four, six, or seven remote temperature sensors. Remote temperature sensors are diode-connected thermal transistors, except for MAX6698 which supports three diode-connected thermal transistors plus three thermistors in addition to the local temperature sensor.

The driver provides the following sysfs attributes. temp1 is the local (chip) temperature, temp[2..n] are remote temperatures. The actually supported per-channel attributes are chip type and channel dependent.

tempX_input	RO	temperature
tempX_max	RW	temperature maximum threshold
tempX_max_alarm	RO	temperature maximum threshold alarm

tempX_crit	RW	temperature critical threshold
tempX_crit_alarm	RO	temperature critical threshold alarm
tempX_fault	RO	temperature diode fault (remote sensors only)