

Kernel driver max127

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Supported chips:

- Maxim MAX127

Prefix: 'max127'

Datasheet: <https://datasheets.maximintegrated.com/en/ds/MAX127-MAX128.pdf>

Description

The MAX127 is a multirange, 12-bit data acquisition system (DAS) providing 8 analog input channels that are independently software programmable for a variety of ranges. The available ranges are {0,5V}, {0,10V}, {-5,5V} and {-10,10V}.

The MAX127 features a 2-wire, I2C-compatible serial interface that allows communication among multiple devices using SDA and SCL lines.

Sysfs interface

in[0-7]_input	The input voltage (in mV) of the corresponding channel. RO
in[0-7]_min	The lower input limit (in mV) for the corresponding channel. ADC range and LSB will be updated when the limit is changed. For the MAX127, it will be adjusted to -10000, -5000, or 0. RW
in[0-7]_max	The higher input limit (in mV) for the corresponding channel. ADC range and LSB will be updated when the limit is changed. For the MAX127, it will be adjusted to 0, 5000, or 10000. RW