

Kernel driver ads7828

Supported chips:

- * Texas Instruments/Burr-Brown ADS7828
Prefix: 'ads7828'
Addresses scanned: I2C 0x48, 0x49, 0x4a, 0x4b
Datasheet: Publicly available at the Texas Instruments website :
<http://focus.ti.com/lit/ds/symlink/ads7828.pdf>

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Module Parameters

- * se_input: bool (default Y)
Single ended operation - set to N for differential mode
- * int_vref: bool (default Y)
Operate with the internal 2.5V reference - set to N for external reference
- * vref_mv: int (default 2500)
If using an external reference, set this to the reference voltage in mV

Description

This driver implements support for the Texas Instruments ADS7828.

This device is a 12-bit 8-channel A-D converter.

It can operate in single ended mode (8 +ve inputs) or in differential mode, where 4 differential pairs can be measured.

The chip also has the facility to use an external voltage reference. This may be required if your hardware supplies the ADS7828 from a 5V supply, see the datasheet for more details.