

# Kernel driver w83773g

Supported chips:

- Nuvoton W83773G

Prefix: 'w83773g'

Addresses scanned: I2C 0x4c and 0x4d

Datasheet: [https://www.nuvoton.com/resource-files/W83773G\\_SG\\_DatasheetV1\\_2.pdf](https://www.nuvoton.com/resource-files/W83773G_SG_DatasheetV1_2.pdf)

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## Description

This driver implements support for Nuvoton W83773G temperature sensor chip. This chip implements one local and two remote sensors. The chip also features offsets for the two remote sensors which get added to the input readings. The chip does all the scaling by itself and the driver therefore reports true temperatures that don't need any user-space adjustments. Temperature is measured in degrees Celsius. The chip is wired over I2C/SMBus and specified over a temperature range of -40 to +125 degrees Celsius (for local sensor) and -40 to +127 degrees Celsius (for remote sensors). Resolution for both the local and remote channels is 0.125 degree C.

The chip supports only temperature measurement. The driver exports the temperature values via the following sysfs files:

**temp[1-3]\_input, temp[2-3]\_fault, temp[2-3]\_offset, update\_interval**