

Kernel driver w83l786ng

Supported chips:

- Winbond W83L786NG/W83L786NR

Prefix: 'w83l786ng'

Addresses scanned: I2C 0x2e - 0x2f

Datasheet: http://www.winbond-usa.com/products/winbond_products/pdfs/PCIC/W83L786NRNG09.pdf

Author: Kevin Lo <kevlo@kevlo.org>

Module Parameters

- reset boolean

(default 0)

Use 'reset=1' to reset the chip (via index 0x40, bit 7). The default behavior is no chip reset to preserve BIOS settings

Description

This driver implements support for Winbond W83L786NG/W83L786NR chips.

The driver implements two temperature sensors, two fan rotation speed sensors, and three voltage sensors.

Temperatures are measured in degrees Celsius and measurement resolution is 1 degC for temp1 and temp2.

Fan rotation speeds are reported in RPM (rotations per minute). Fan readings can be divided by a programmable divider (1, 2, 4, 8, 16, 32, 64 or 128 for fan 1/2) to give the readings more range or accuracy.

Voltage sensors (also known as IN sensors) report their values in millivolts. An alarm is triggered if the voltage has crossed a programmable minimum or maximum limit.

/sys files

pwm[1-2]

- this file stores PWM duty cycle or DC value (fan speed) in range:
0 (stop) to 255 (full)

pwm[1-2]_enable

- this file controls mode of fan/temperature control:
 - 0 Manual Mode
 - 1 Thermal Cruise
 - 2 Smart Fan II
 - 4 FAN_SET

pwm[1-2]_mode

- Select PWM of DC mode
 - 0 DC
 - 1 PWM

tolerance[1-2]

- Value in degrees of Celsius (degC) for +- T