

Kernel driver tc654

Supported chips:

- Microchip TC654 and TC655

Prefix: 'tc654' Datasheet: <http://ww1.microchip.com/downloads/en/DeviceDoc/20001734C.pdf>

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Description

This driver implements support for the Microchip TC654 and TC655.

The TC654 uses the 2-wire interface compatible with the SMBUS 2.0 specification. The TC654 has two (2) inputs for measuring fan RPM and one (1) PWM output which can be used for fan control.

Configuration Notes

Ordinarily the `pwml_mode` ABI is used for controlling the pwm output mode. However, for this chip the output is always pwm, and the `pwml_mode` determines if the pwm output is controlled via the `pwml` value or via the `Vin` analog input.

Setting `pwml_mode` to 1 will cause the pwm output to be driven based on the `pwml` value. Setting `pwml_mode` to 0 will cause the pwm output to be driven based on the `Vin` input.