

Kernel driver ics932s401

Supported chips:

- \* IDT ICS932S401

- Prefix: 'ics932s401'

- Addresses scanned: I2C 0x69

- Datasheet: Publically available at the IDT website

Author: Darrick J. Wong

Description

This driver implements support for the IDT ICS932S401 chip family.

This chip has 4 clock outputs--a base clock for the CPU (which is likely multiplied to get the real CPU clock), a system clock, a PCI clock, a USB clock, and a reference clock. The driver reports selected and actual frequency. If spread spectrum mode is enabled, the driver also reports by what percent the clock signal is being spread, which should be between 0 and -0.5%. All frequencies are reported in KHz.

The ICS932S401 monitors all inputs continuously. The driver will not read the registers more often than once every other second.

Special Features

The clocks could be reprogrammed to increase system speed. I will not help you do this, as you risk damaging your system!