



F75373S

1 General Description

F75373S is a system hardware monitoring and automatic fan speed controlling IC specific designed for graphic cards etc.. F75373S can monitor several critical hardware parameters of the system, including voltages, temperatures and fan speeds which are very important for the system to work stably and properly.

An 8-bit analog-to-digital converter (ADC) was built inside F75373S. The chip can monitor up to 4 analog voltage inputs, 2 fan tachometer inputs and 2 remote temperature sensors. The remote temperature sensor is suggested to be performed by thermistor. The F75373S can provide automatic fan speed control so that the system can operate at the minimum acoustic noise. Also the users can set up the upper and lower limits (alarm thresholds) of all monitored parameters and this chip can also issue warning messages for system protection when there is something wrong with monitored items.

Through the BIOS or application software, the users can read all the monitored parameters of system all the time. And a pop-up warning can be also activated when the monitored item was out of the proper/pre-setting range. The application software could be Fintek's application software MyGuard™, or Intel™ LDCM (LanDesk Client Management), or other management application software. The F75373S is in the package of 150mil 16-pin SOP and powered by 3.3V.

2 Feature

- 4 voltage inputs
 - typical for Vcore, V_{DDQ}, and V_{CC}3V etc
- Monitor up to 2 remote temperature sensor from remote thermistor
- Up to 2 fan speed monitoring input and 2 automatic fan speed control
 - 3 flexible fan control mode: Manual mode, Speed mode and Temperature mode.
- Programmable limited and setting points(alert threshold) for all monitored items
- Issue FAN_FAULT# or VOLT_FAULT# or OVT# or SMI# signal to activate system protection
- Up to 4 general purpose I/O support
- 2-wire SMBus interface
- V_{CC}3V operation and 16SOP package(150mil)

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