

Product Overview

ADT7473: Remote Thermal Monitor and Fan Controller

For complete documentation, see the data sheet.

The ADT7473/ADT7473-1 controller is a thermal monitor and multiple PWM fan controller for noise sensitive or power sensitive applications requiring active system cooling. The ADT7473/ADT7473-1 can drive a fan using either a low or high frequency drive signal, monitor the temperature of up to two remote sensor diodes plus its own internal temperature, and measure and control the speed of up to four fans so they operate at the lowest possible speed for minimum acoustic noise.

Features

- Controls and monitors up to 4 fans
- High and low frequency fan drive signal
- 1 on-chip and 2 remote temperature sensors
- Series resistance cancellation on the remote channel
- Extended temp measurement range, up to 191°C
- Dynamic TMIN control mode optimizes system acoustics intelligently
- Automatic fan speed control mode controls system cooling based on measured temperature
- Enhanced acoustic mode dramatically reduces user perception of changing fan speeds
- Thermal protection feature via THERM output
- Thermal control circuit via THERM input

For more features, see the data sheet

Applications

- Thermal Management

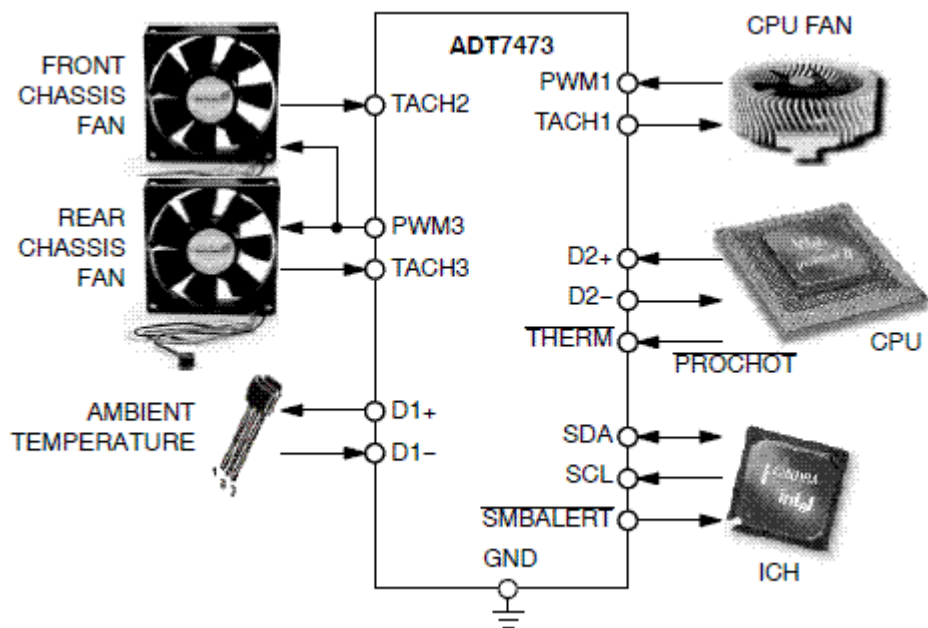
End Products

- Notebook and Desktop Computers
- Servers
- Game Consoles
- RFID Readers

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Data Transmission Standard	I _{CC} Max (mA)	V _{CC} Min (V)	V _{CC} Max (V)	T Min (°C)	T Max (°C)	Package Type
ADT7473ARQZ-1RL	1.1333	Pb-free Halide free non AEC-Q and PPAP	Active	SMBus	3	3	3.6	-40	125	QSOP-16
ADT7473ARQZ-REEL	0.8698	Pb-free Halide free non AEC-Q and PPAP	Active	SMBus	3	3	3.6	-40	125	QSOP-16

Application Diagram



For more information please contact your local sales support at www.onsemi.com.

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