

Product Overview

ADT7463: Remote Thermal Controller and Voltage Monitor

For complete documentation, see the data sheet.

The ADT7463 controller is a complete systems monitor and multiple PWM fan controller for noise-sensitive applications requiring active system cooling. It can monitor 12 V, 5 V, and 2.5 V CPU supply voltages, plus its own supply voltage. It can monitor the temperature of up to two remote sensor diodes, plus its own internal temperature. It can measure and control the speed of up to four fans so that they operate at the lowest possible speed for minimum acoustic noise. The automatic fan speed control loop optimizes fan speed for a given temperature.

Features

- Monitors up to 5 supply voltages
- Controls and monitors up to 4 fan speeds
- One on-chip and 2 remote temperature sensors
- Monitors up to 6 processor VID bits
- Dynamic TMIN Control Mode optimizes systems 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
- 2-wire and 3-wire fan speed measurement
- Limit comparison of all monitored values

For more features, see the data sheet

Applications

- Thermal Management

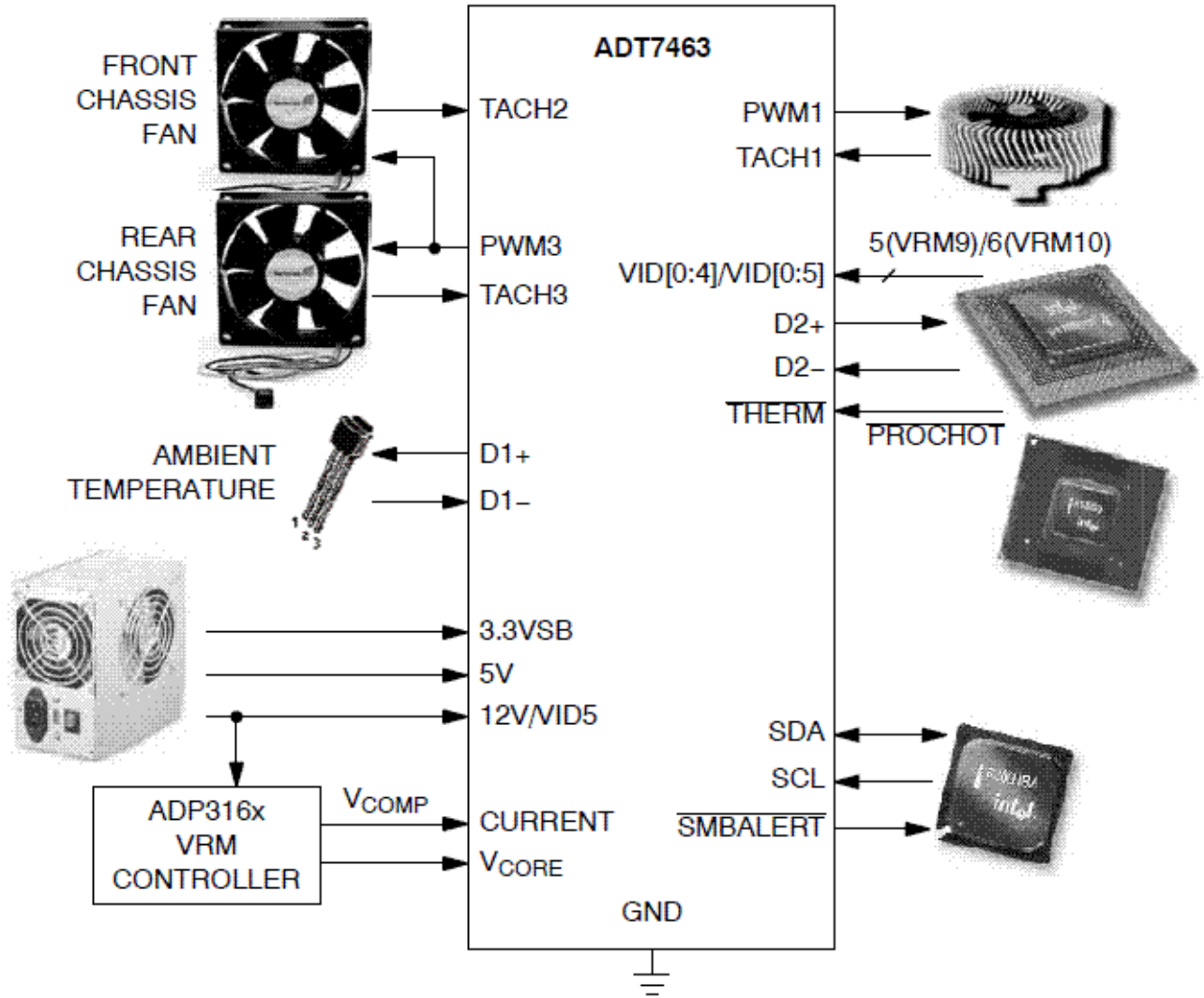
End Products

- Notebook and Desktop Computers
- 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
ADT7463ARQZ-REEL	2.6666	Pb-free Halide free	Active	SMBus	3	3	5.5	-40	120	QSOP-24

Application Diagram



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

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