

Fan Speed PWM Controller

Features

- Constant Fan Speed Control
- PWM control for stable operation
- Build-in MOSFET switch
- SMBus interface
- Internal short-circuit protection
- On/Off control provided

Applications

- Notebook PC
- Industrial PC
- LAN Switch
- Servers
- Telecom equipment
- Industrial Control

General Description

G760 is a single chip solution for fan speed control, packaged in a space saving SO-8 package. It connects directly to the fan and performs closed-loop control of the fan speed. The only external component required is a 10 μ F capacitor. It determines the current fan speed based on the fan rotation pulses and an externally supplied clock. It uses pulse width modulation (PWM) method and an on-chip MOSFET to control the fan speed to $\pm 2\%$ of the programmed speed. The desired fan speed is programmed via the SMBus. The actual fan speed and fan status can be read via the SMBus. Short-circuit protection is implemented to prevent damages to the fan and this IC itself. An On/Off control pin is also provided.

Ordering Information

ORDER NUMBER	TEMP. RANGE	TRANSPORT MEDIA	PACKAGE
G760A	-55°C to +125°C	2500 Units on Tape and Reel	SOP-8L
G760Af	-55°C to +125°C	2500 Units on Tape and Reel	SOP-8L (Pb Free)

Pin Configuration

