

## Fan Speed Controller with Linear or PWM Mode

### Features

- SMBus Interface
- Linear or PWM Mode Speed Control
- Open or Close Loop Fan Speed Control
- Supply Voltage Range 3V~5.5V
- ADD0 Pin to Select 3 Different SMBus Addresses
- SMBus Alert # for G765
- G765 has Built-in Inverter for Crystal Oscillator
- Internal 32kHz clock generator, +/- 3% accuracy
- SOP-8/MSOP-8 for G764
- MSOP-10 for G765

### Applications

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

### General Description

The G764/G765 is a single chip solution for fan speed control. It can be directly connected to the fan and performs close-loop or open-loop control. And there are two modes, PWM and linear, to drive the fan. It determined the current fan speed based on the fan rotation pulses and an externally supplied clock. 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 the IC itself.

### Ordering Information

ORDER NUMBER	MARKING	TEMP. RANGE	PACKAGE (Green)
G764P11U	G764	-55°C to +125°C	SOP-8
G764P81U	G764	-55°C to +125°C	MSOP-8
G765P71U	G765	-55°C to +125°C	MSOP-10

Note: P1: SOP-8 P8: MSOP-8 P7:MSOP-10

1: Bonding Code

U: Tape & Reel

### Pin Configuration

