

## MOSFET & Power Driver ICs Dual 2A High-Speed Low-Side Gate

Manufacturers	<a href="#">ON Semiconductor, LLC</a>
Package/Case	SOIC-8
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for FAN3217TMX or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The FAN3216 and FAN3217 dual 2A gate drivers are designed to drive N-channel enhancement-mode MOSFETs in low-side switching applications by providing high peak current pulses during the short switching intervals. They are both available with TTL input thresholds. Internal circuitry provides an under-voltage lockout function by holding the output LOW until the supply voltage is within the operating range. In addition, the drivers feature matched internal propagation delays between A and B channels for applications requiring dual gate drives with critical timing, such as synchronous rectifiers. This also enables connecting two drivers in parallel to effectively double the current capability driving a single MOSFET. The FAN3216/17 drivers incorporate MillerDriveH architecture for the final output stage. This bipolar-MOSFET combination provides high current during the Miller plateau stage of the MOSFET turn-on / turn-off process to minimize switching loss, while providing rail-to-rail voltage swing and reverse current capability. The FAN3216 offers two inverting drivers and the FAN3217 offers two non-inverting drivers. Both are offered in a standard 8-pin SOIC package.

## Features

Industry-Standard Pinouts

4.5 to 18V Operating Range

3A Peak Sink/Source at >

2.4A Sink / 1.6A Source at >

TTL Input Thresholds

Two Versions of Dual Independent Drivers:

Dual Inverting (FAN3216)

Dual Non-Inverting (FAN3217)

Internal Resistors Turn Driver Off If No Inputs

MillerDrive™ Technology

12ns / 9ns Typical Rise/Fall Times with 1nF Load

Typical Propagation Delay Under 20ns Matched within 1ns to the Other Channel

Double Current Capability by Paralleling Channels

Standard SOIC-8 Package

Rated from -40°C to +125°C Ambient

## Application

ONSEMI

## Related Products



### [FAN3122TMX](#)

ON Semiconductor, LLC  
SOIC-8



### [FAN7930BMX](#)

ON Semiconductor, LLC  
SOP-8



### [FAN73912MX](#)

ON Semiconductor, LLC  
SOIC-16



### [FAN7602CMX](#)

ON Semiconductor, LLC  
SOIC-8



### [FAN7621BSJX](#)

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### [FAN3223TMX](#)

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[FAN7361MX](#)

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SOP-8



[FAN48630UC50X](#)

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WLCSP-16