

Ethernet Controller PD Interface, RJ45, -57 V, 16-Pin DFN

Manufacturers	Analog Devices, Inc
Package/Case	DFN16
Product Type	Interface - Controllers
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC4267IDHC-3#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC4267-3 combines an IEEE 802.3af compliant Powered Device (PD) interface with a 300kHz current mode switching regulator, providing a complete power solution for PD applications. The LTC4267-3 integrates the 25k signature resistor, classification current source, thermal overload protection, signature disable and power good signal along with an undervoltage lockout optimized for use with the IEEE-required diode bridge. The LTC4267-3 provides an increased operational current limit, maximizing power available for class 3 applications.

The 300kHz current mode switching regulator provides higher output power or smaller external size compared to its lower frequency counterparts. The LTC4267-3 is designed for driving a 6V rated N-channel MOSFET and features programmable slope compensation, soft-start, and constant-frequency operation, minimizing noise even with light loads. The LTC4267-3 includes an onboard error amplifier and voltage reference allowing use in both isolated and nonisolated configurations.

The LTC4267-3 is available in a space saving, low profile 16-pin SSOP or DFN packages.

Applications

IP Phone Power Management

Wireless Access Points

Security Cameras

Power over Ethernet

Features

Complete Power Interface Port for IEEE 802.3af Powered Device (PD)

Onboard 100V, UVLO Switch

Constant-Frequency 300kHz Operation

Precision Dual Level Inrush Current Limit

Integrated Current Mode Switching Regulator

Onboard 25k Signature Resistor with Disable

Programmable Classification Current (Class 0-4)

Thermal Overload Protection

Power Good Signal

Integrated Error Amplifier and Voltage Reference

Low Profile 16-Pin SSOP or DFN Packages

Application

IP Phone Power Management

Wireless Access Points

Security Cameras

Power over Ethernet



Related Products



[LT3763EFE](#)

Analog Devices, Inc
TSSOP28



[LT1038CK](#)

Analog Devices, Inc
TO-3



[LTC4417IUF](#)

Analog Devices, Inc
QFN-24



[LTC3440EMS](#)

Analog Devices, Inc
MSOP10



[LTC1966CMS8#PBF](#)

Analog Devices, Inc
MSOP-8P



[LTC2990IMS#PBF](#)

Analog Devices, Inc
10MSOP



[LTM8045EY#PBF](#)

Analog Devices, Inc
BGA40



[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN