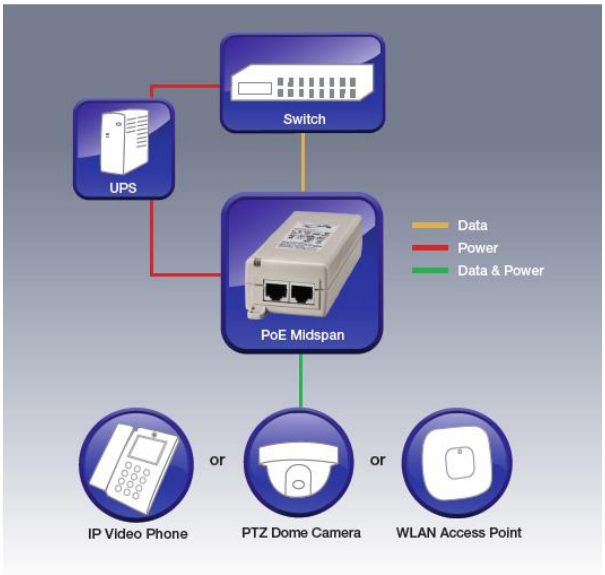
# PD-3501G Midspan

Single-port Gigabit PoE Midspan, 802.3af Compliant




## Overview

Microsemi's PD-3501G single-port PoE midspan offers a compact and cost effective, IEEE 802.3af compliant solution for powering IP phones, WLAN access points, network cameras and other IP terminal devices.
The compact and affordable PD-3501G provides reliable power over standard Ethernet cables, leaving existing network infrastructure completely unaltered.
With plug-and-play installation, the PD-3501G can be easily and cost effectively implemented leveraging the existing Ethernet infrastructure while at the same time providing the assurance of a future proof network.

## PD-3501G Features

- Safe & reliable power over existing Ethernet infrastructure
- Stackable and compact
- Plug-and-play installation
- Guaranteed uptime

## Specifications

| Feature | Description |
|---|---|
| **No. of Ports** | 1 |
| **Data Rates** | 10/100/1000 Mbps |
| **Power over Ethernet Output** | Pin Assignment and Polarity:<br>Spare Pairs 7/8 (-) and 4/5 (+)<br>Output Power Voltage: 48 VDC |
| **User Port Power** | 15.4 Watts (Guaranteed) |
| **Input Power Requirements** | AC Input Voltage: 100 to 240Vac (±10%)<br>AC Input Current: 0.43A @ 100-240Vac<br>AC Frequency: 50 to 60Hz |
| **Dimensions** | 51.8mm (W) x 34.8mm (H) x 160.5mm (L) ±0.5mm<br>2.04 in. x 1.37 in. x 6.31 in ±0.02 in |
| **Weight** | .44 lbs (200g) |
| **Indicators** | User Indicator:<br>Channel Power (Green) |
| **Connectors** | Shielded RJ-45, EIA 568A and 568B |
| **Environmental Conditions** | Operating Ambient Temperature:<br>Conditions 32º to 104ºF (0 to 40ºC) |
| | Operating Humidity:<br>Maximum 90%, Non-condensing |
| | Storage Temperature:<br>-4º to 158ºF (-20º to 70ºC) |
| | Storage Humidity:<br>Maximum 95%, Non-condensing |
| | Operating Altitude:<br>–1000 to 10,000 ft. (–304.8 to 3048 m) |
| **Reliability** | MTBF: 100,000 hrs. @ 25ºC |
| **Thermal Rating** | 13 BTU/Hr (@240VAC) |
| **Warranty** | 1-year |
| **Regulatory Compliance** | IEEE 802.3af (PoE), RoHS Compliant,<br>WEEE Compliant, CE |
| **Electromagnetic Emission & Immunity** | FCC Part 15, Class B<br>EN 55032 Class B (Emissions)<br>EN 55024 (Immunity)<br>VCCI |
| **Safety** | UL/EN/IEC 60950-1 (Ed.2) |

Copyright © 2017

# PD-3501G Midspan

Single-port Gigabit PoE Midspan, 802.3af Compliant

## Ordering Information

| Microsemi p/n | Name | Description |
|---|---|---|
| PD-3501G/AC | Microsemi PD-3501G | Single-port, Gigabit PoE Midspan, 802.3af Compliant |

Microsemi makes no warranty, representation, or guarantee regarding the information contained herein or the suitability of its products and services for any particular purpose, nor does Microsemi assume any liability whatsoever arising out of the application or use of any product or circuit. The products sold hereunder and any other products sold by Microsemi have been subject to limited testing and should not be used in conjunction with mission-critical equipment or applications. Any performance specifications are believed to be reliable but are not verified, and Buyer must conduct and complete all performance and other testing of the products, alone and together with, or installed in, any end-products. Buyer shall not rely on any data and performance specifications or parameters provided by Microsemi. It is the Buyer's responsibility to independently determine suitability of any products and to test and verify the same. The information provided by Microsemi hereunder is provided "as is, where is" and with all faults, and the entire risk associated with such information is entirely with the Buyer. Microsemi does not grant, explicitly or implicitly, to any party any patent rights, licenses, or any other IP rights, whether with regard to such information itself or anything described by such information. Information provided in this document is proprietary to Microsemi, and Microsemi reserves the right to make any changes to the information in this document or to any products and services at any time without notice.

Microsemi Corporation (MSCC) offers a comprehensive portfolio of semiconductor and system solutions for communications, defense & security, aerospace and industrial markets. Products include high-performance and radiation-hardened analog mixed-signal integrated circuits, FPGAs, SoCs and ASICs; power management products; timing and synchronization devices and precise time solutions, setting the world's standard for time; voice processing devices; RF solutions; discrete components; security technologies and scalable anti-tamper products; Ethernet solutions; Power-over-Ethernet ICs and midspans; as well as custom design capabilities and services. Microsemi is headquartered in Aliso Viejo, Calif., and has approximately 3,600 employees globally. Learn more at www.microsemi.com.

Microsemi Corporate Headquarters
One Enterprise, Aliso Viejo, CA 92656 USA
Within the USA: +1 (800) 713-4113
Outside the USA: +1 (949) 380-6100
Sales: +1 (949) 380-6136
Fax: +1 (949) 215-4996
email: sales.support@microsemi.com
www.microsemi.com

©2017 Microsemi Corporation. All rights reserved. Microsemi and the Microsemi logo are registered trademarks of Microsemi Corporation. All other trademarks and service marks are the property of their respective owners.