

# PD-9501GI/DC

## Single Port, 60W Industrial PoE Midspan



### Key Features

- IEEE 802.3at compliant – 60W output
- Dual DC inputs 20-60VDC range
- Industrial rated IP30
- Extended temp range -40°C to +75°C
- Plug and play installation
- Supports 10/100/1000 Mbps

### Overview

The Microsemi PD-9501-GI/DC is a single port, high-power solution for remote powering of current and emerging high power indoor applications. Generating 60W, the 9501GI enables remote power for a new range of applications including 802.11n Access Points, pan-tilt zoom (PTZ) cameras and other IP terminals. It complies to IEEE 802.3at PoE standard and is backward compatible to IEEE802.3af. It can power both existing 10/100/1000Base-T network devices and 1000BaseT devices such as wireless IEEE 802.11ac access points.

### Specifications

Feature	Description
No. of Ports	1
Data Rates	10/100/1000 Mbps
Power over Ethernet Output	Pin Assignment and Polarity: 1/2 (-), 3/6 (+), 4/5 (+), 7/8 (-) Output Voltage: 55Vdc
User Port Power	60 Watts (Guaranteed)
Input Power Requirements	DC Input Voltage: 20 to 60Vdc DC Input Current: 4A max
Dimensions	35mm (W) x 111mm (H) x 78mm (L) 1.38 in. x 4.37 in. x 3.07 in
Weight	0.82 lbs (373g)
Indicators	Power 1 – Source power 1 is connected Power 2 – Source power 2 is connected Alarm – 1 source power is Fault PoE – PoE is active and providing power
Connectors	Shielded RJ-45, EIA 568 A and 568 B
Environmental Conditions	Operating Ambient Temperature: -40°F to 167°F (-40°C to 75°C) Storage Temperature: -40°F to 185°F (-40°C to 85°C)
Reliability	MTBF: 170,000 hrs. @25°C
Warranty	1-year
Regulatory Compliance	IEEE 802.3at (PoE), RoHS Compliant, WEEE Compliant, CE
Electromagnetic Emission & Immunity	FCC Part 15, Class A EN 55022 Class A (Emissions) EN 55024 (Immunity)
Safety Approvals	UL508
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-31
Vibration	IEC 60068-2-6

## Ordering Information

Part Number	Name	Description
PD-9501GI/DC	Microsemi 9501/GI	60W Industrial PoE Midspan, Dual DC input

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 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](mailto:sales.support@microsemi.com)  
[www.microsemi.com](http://www.microsemi.com)

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](http://www.microsemi.com).

©2016 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.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Microchip:](#)

[PD-9501GI/DCF](#) [PD-9501GI/DCB](#) [PD-9501GI/DC](#)