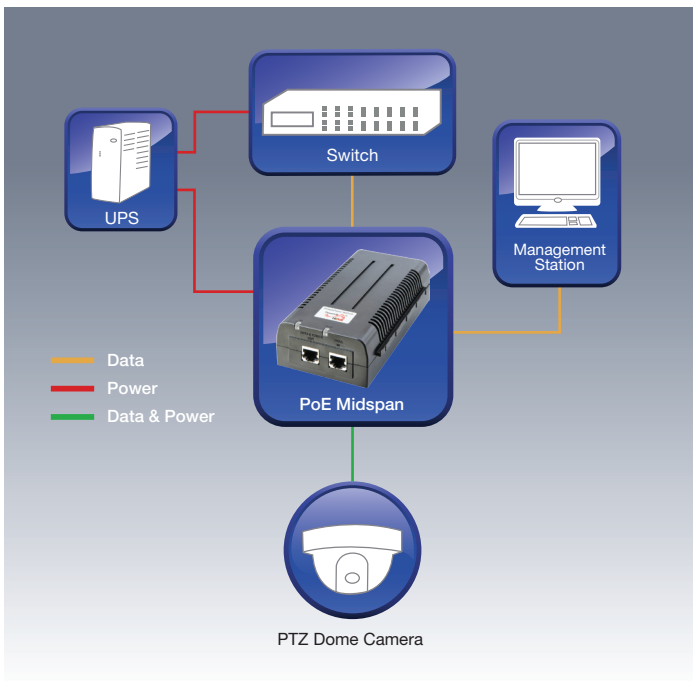


# PD-9601G Midspan

## PoH 95W, Single-port Gigabit Midspan



### Overview

Microsemi's PD-9601G midspan is a single port solution for remote powering of current as well as emerging high power applications. The Microsemi PD-9601G is designed to power wireless and cellular base stations, pan-tilt-zoom (PTZ) and dome cameras, physical access control with door locks, televisions and interactive displays, Point of Sales (POS) and information kiosks, thin clients and other high power Ethernet end terminals with 95W of power, and is also backward compatible and safe to use with any IEEE802.3af or IEEE802.3at terminal such as VoIP phones, IP cameras and wireless LAN access points. It can power both existing 10/100Base-T devices and emerging wireless Gigabit devices. With the midspan's plug-and-play installation, they are easy and cost effective to implement leveraging existing Ethernet infrastructure while at the same time providing the assurance of a future proof network.

### PD-9601G Features

- Up to 95W of power over 4-pairs
- PoH, IEEE802.3at and 802.3af compliant
- Plug-and-play installation
- Guaranteed uptime

### PD-9601G Specifications

|                            |  |
|----------------------------|--|
| No. of Ports               | 1  |
| Pass Through Data Rates    | 10/100/1000 Mbps   |
| Power over Ethernet Output | Pin Assignment and Polarity:<br>Data Pairs 1/2 (-) and 3/6 (+)<br>Spare Pairs 7/8 (-) and 4/5 (+)<br>Output Power Voltage: 54-57Vdc<br>User Port Power: 95W guaranteed |
| Input Power                | AC Input Voltage: 100 to 240 Vac   |
| Requirements               | AC Input Current: 1.8A @100-240Vdc<br>AC Frequency: 50 to 60 Hz  |
| Dimensions                 | 87.9 mm (W) x 43 mm (H) x 166 mm (L)<br>3.46 in. x 1.68 in. x 6.53 in  |
| Weight                     | .881 lbs (400g)  |
| Indicators                 | System Indicator:<br>AC Power (Green)  |
| Channel Power Indicators   | Green—Power delivered over 4 pairs<br>Yellow—Power delivered over 2 pairs  |
| Connectors                 | Shielded RJ-45, EIA 568A and 568B  |
| Environmental Conditions   | Operating Ambient Temperature:<br>14° to 113°F (-10°C to 45°C)   |
| Operating Humidity         | Maximum 90%, Non-condensing  |
| Storage Temperature        | -4° to 158°F (-20° to 70°C)  |
| Storage Humidity           | Maximum 95%, Non-condensing  |
| Operating Altitude         | -1000 to 10,000 ft. (-304.8 to 3048 m)   |
| Reliability                | MTBF: 100,000 hrs. @25°C   |
| Thermal Rating             | 80 BTU/Hr  |
| Warranty                   | 1-year   |
| Regulatory                 | IEEE 802.3af (PoE, PoH Type 1)<br>IEEE 802.3at PoE+, PoH twin Type 2,<br>PoH twin Type 3 (95W), RoHS Compliant,<br>WEEE Compliant, CE                                  |
| Electromagnetic            | FCC Part 15, Class B   |
| Emission & Immunity        | EN 55022 Class B (Emissions)<br>EN 55024 (Immunity), VCCI  |
| Safety Approvals           | UL/cUL Per EN 60950-1<br>GS Mark Per EN 60950-1  |

## Ordering Information

| Part Number | Name               | Ports  |
|-------------|--------------------|--------|
| PD-9601G/AC | Microsemi PD-9601G | 1-port |



**Microsemi**

**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

Microsemi Corporation (Nasdaq: 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; Power-over-Ethernet ICs and midspans; as well as custom design capabilities and services. Microsemi is headquartered in Aliso Viejo, Calif., and has approximately 3,400 employees globally. Learn more at [www.microsemi.com](http://www.microsemi.com).

©2014 Microsemi Corporation. All rights reserved. Microsemi and the Microsemi logo are trademarks of Microsemi Corporation. All other trademarks and service marks are the property of their respective owners.