

# 9601G

## PoH 95 W, Single Port Gigabit Midspan

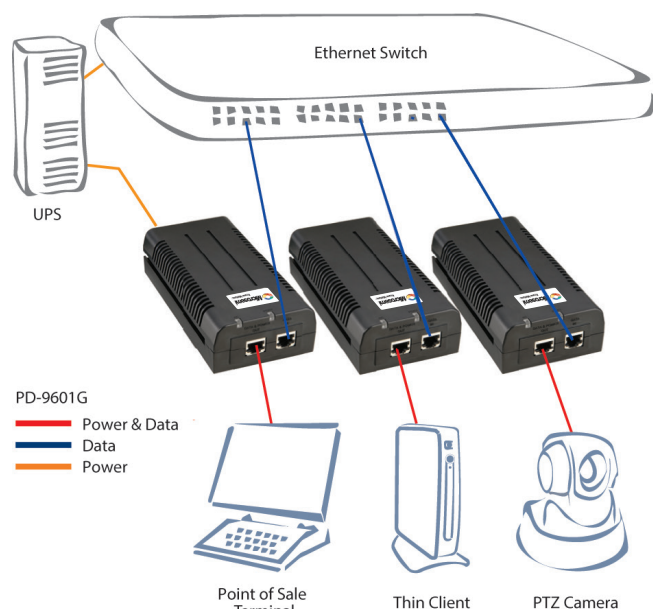


Figure 1: 9601G

### Features

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

### Overview

The Microsemi 9601G is a single port solution for remote powering of current as well as emerging high power applications.

The Microsemi 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 95 W of power, and is also backward compatible and safe to use with any IEEE 802.3af or IEEE 802.3at 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.

### Specifications

Feature	Description
No. of Ports	1
Pass Through Data Rates	10/100/1000 Mbps
Output Power	Pin Assignment and Polarity: Data Pairs 1/2 (-) and 3/6 (+) Spare Pairs 7/8 (-) and 4/5 (+) Output Power Voltage: 54-57 Vdc User Port Power: 95 W guaranteed
Input Power Requirements	AC Input Voltage: 100 to 240 Vac AC Input Current: 1.8A @ 100-240 Vdc AC Frequency: 50 to 60 Hz
Dimensions	87.9 mm (W) x 43 mm (H) x 166 mm (L) 3.46 in. x 1.68 in. x 6.53 in
Weight	0.881 lbs (400 g)
Indicators	System Indicator: AC Power (Green)
	Channel Power Indicators: Green – Power delivered over 4 pairs Yellow – Power delivered over 2 pairs
Connectors	Shielded RJ-45, EIA 568 A and 568 B
Environmental Conditions	Operating Ambient Temperature: 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) IEEE 802.3at PoE+, PoH twin Type 2, PoH twin Type 3 (95 W), RoHS Compliant, WEEE Compliant, CE
Electromagnetic Emission & Immunity	FCC Part 15, Class B EN 55022 Class B (Emissions) EN 55024 (Immunity), VCCI
Safety Approvals	UL/cUL Per EN 60950-1 GS Mark Per EN 60950-1

# 9601G

## PoH 95 W, Single Port Gigabit Midspan

### Ordering Information

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

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  
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; 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).

© 2015 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.