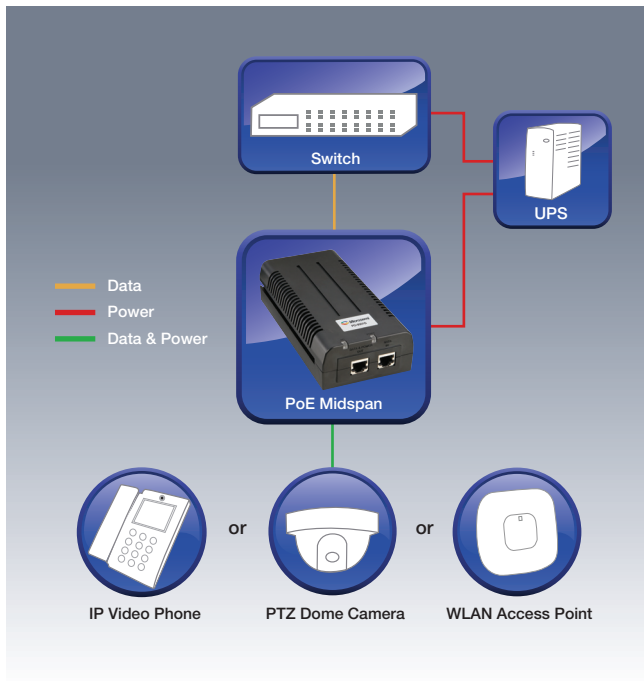


PD-9501G Midspan

Single-port, 60W Gigabit Midspan, 4-Pairs, 802.3at Compliant



Overview

Microsemi's PD-9501G midspan is a single port solution for remote powering of current as well as emerging high power applications. It is designed specifically to power IEEE 802.11n and IEEE 802.3at access points, pan-tilt-zoom (PTZ) and dome cameras, IP videophones, thin clients and other high power Ethernet end terminals with 60W of power, and is also backward compatible and safe to use with any IEEE 802.3af terminal such as VoIP phones, IP cameras and wireless LAN access points.

The PD-9501G can power both existing 10/100Base-T devices and emerging wireless Gigabit devices such as Wi-MAX and wireless IEEE 802.11n access points.

With the midspan's plug-and-play installation, they are easily and cost effectively implemented leveraging an existing Ethernet infrastructure while at the same time providing the assurance of a future proof network.

PD-9501G Features

- Up to 60W of power over 4-pairs
- Cisco and legacy PoE support (dongles required)
- IEEE802.3at compliant
- Plug-and-play installation
- Guaranteed uptime

PD-9501G Specifications

No. of Ports	1
Pass Through Data Rates	10/100/1000 Mbps
Power over Ethernet Output	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: 60W Max.
Input Power Requirements	AC Input Voltage: 100 to 240 VAC AC Input Current: 1.2A @100-240 VAC 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	.881 lbs (400g)
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 568A and 568B
Environmental Conditions	Operating Ambient Temperature: 14° to 113°F (-10°C to 45°C) @60W 14° to 131°F (-10°C to 55°C) @30W 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: 304,000 hrs. @25°C
Thermal Rating	51 BTU/Hr
Warranty	1-year
Regulatory	IEEE 802.3af (PoE, PoH Type 1) IEEE 802.3at (PoE+ including 2-event, PoH Type 2), 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

Ordering Information

Part Number	Name	Ports
PD-9501G/AC/B	Microsemi PD-9501G	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.

©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.

MSC-PD-DS-9501G 5.14