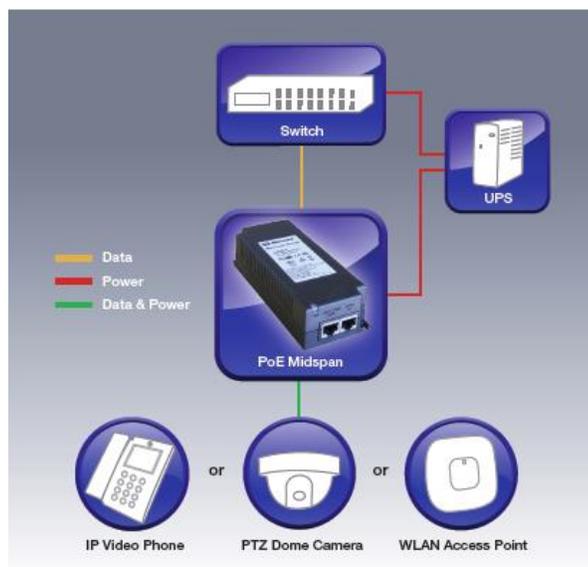


PD-9501GC Midspan

1-port, IEEE802.3bt 60W PoE Midspan



Overview

Microsemi's PD-9501GC is a single port solution for remote powering of current as well as emerging high power applications. The PD-9501GC is designed specifically to power IEEE 802.11n and IEEE 802.3bt 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/at 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 such as Wi-MAX and wireless IEEE 802.11n access points. The PD-9501GC provides power on all 4-pairs while being backwards compatible to 802.3af and 802.3at powered devices.

PD-9501GC Features

- IEEE 802.bt compliant
- IEEE 802.3af/at backward compatible
- Output power of 60W over 4-pairs is guaranteed
- Supports 10/100/1000Base-T applications
- Plug-and-play installation
- Safe: low power devices receive only the power they need
- Automatic detection and protection of non-standard Ethernet terminals
- Compact design fits easily in WLAN access point and IP camera installations

Specifications

Feature	Description
No. of Ports	1
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: 55 VDC User Port Power: 60W over 4-pairs (Guaranteed)
Input Power Requirements	AC Input Voltage: 100 to 240Vac (±10%) AC Input Current: 1.5A @ 100-240Vac AC Frequency: 50 to 60Hz
Dimensions	62 mm (W) x 38 mm (H) x 151 mm (L) 2.44 in. x 1.5 in. x 5.94 in
Weight	Bare unit: 0.74 lbs (340g)
Indicators	AC Power: Yellow Channel Power Indicator: Green
Connectors	Shielded RJ-45, EIA 568A and 568B
Environmental Conditions	Operating Ambient Temperature: 32°F to 104°F (-0°C to 40°C) Operating Humidity: Maximum 95%, Non-condensing Storage Temperature: -4°F to 158°F (-20° to 70°C) Storage Humidity: Maximum 95%, Non-condensing
Reliability	MTBF: 240,000 hrs. @ 25°C
Thermal Rating	34.2 BTU/Hr (@100Vac)
Warranty	1-year
Regulatory Compliance	IEEE 802.3bt (PoE), RoHS Compliant, WEEE Compliant, CE
Electromagnetic Emission & Immunity	FCC Part 15, Class B EN 55032 Class B (Emissions) EN 55024 (Immunity) VCCI
Safety	UL/IEC/EN 60950-1 (ed. 2)

PD-9501GC Midspan

1-port, IEEE802.3bt 60W PoE Midspan

Ordering Information

Microsemi p/n	Name	Description
PD-9501GC/AC	Microsemi PD-9501GC	1-port, IEEE802.3bt 60W PoE Midspan

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. Except as otherwise provided in any other signed agreements, all sales are subject to Microsemi's standard terms and conditions available on Microsemi website. In addition, Microsemi does not approve or authorize the combination of any apparatus or device to any products listed in this document.



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.

Mouser Electronics

Authorized Distributor

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

[Microchip:](#)

[PD-9501GC/AC-JP](#) [PD-9501GC/AC-US](#) [PD-9501GC/AC-EU](#)