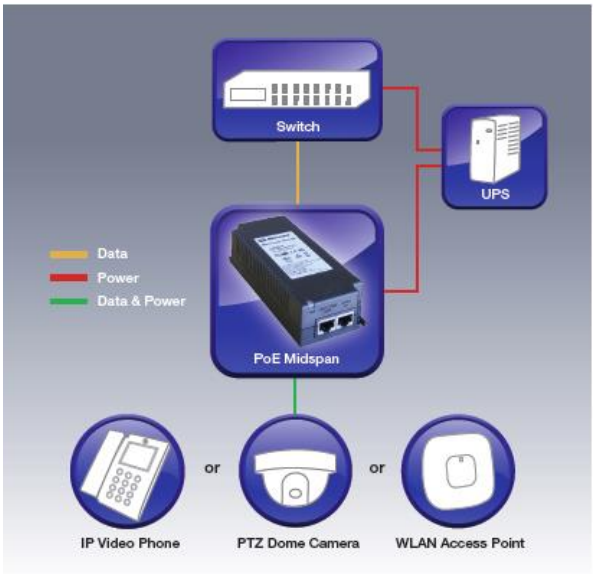
PD-9501GC Midspan

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: 32ºF to 104ºF (-0ºC to 40ºC)
	Operating Humidity: Maximum 95%, Non-condensing
	Storage Temperature: -4ºF to 158ºF (-20º to 70ºC)
	Storage Humidity: Maximum 95%, Non-condensing
Reliability	MTBF: 240,000 hrs. @ 25ºC
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)

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Ordering Information

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

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.

Microsemi Corporate Headquarters
One Enterprise, Aliso Viejo, CA 92656 USA
Within the USA: +1 (800) 713-4113
Outside the USA: +1 (949) 380-6100

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