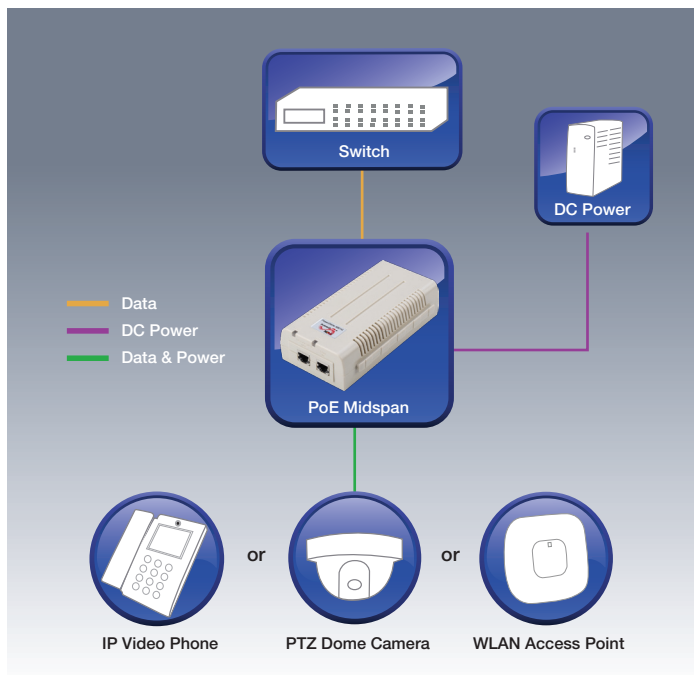


PD-9501G/48VDC

60W, Gigabit, Single-port PoE Midspan, 48VDC Input



Overview

Microsemi's PD-9501G is a Best-of-Breed single port solution for remote powering of devices in a 48VDC environment as well as high power applications.

It is designed specifically to power IEEE 802.11n and IEEE802.3at 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 802.3af 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.

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 flexibility to assure a future-proof scalable network.

PD-9501G/48VDC Features

- Up to 60W of power over 4-pairs
- 48VDC input voltage
- IEEE802.3at compliant
- Plug-and-play installation
- Guaranteed uptime

PD-9501G/48VDC 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	DC Input Voltage: 36-60 VDC DC Input Current: 2A
Dimensions	87 mm (W) x 43 mm (H) x 166 mm (L) 3.46 in. x 1.68 in. x 6.53 in.
Weight	.992 lbs (450g)
Indicators	System Indicator: Green—AC Power Channel Power: Green—Power delivered over 4 pairs
Connectors	Shielded RJ-45, EIA 568A and 568B
Environmental Conditions	Operating Ambient Temperature: -4° to 104°F (-20°C to 40°C) @60W -4° to 122°F (-20°C to 50°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: 228,000 hrs. @25°C
Thermal Rating	40 BTU/Hr
Warranty	1-year
Regulatory	IEEE 802.3af (PoE), IEEE 802.3at (including 2-event), RoHS Compliant, WEEE Compliant, CE
Electromagnetic Emission & Immunity	FCC Part 15, Class B EN 55022 Class B (Emissions) EN 55024 (Immunity)
Safety Approvals	GS Mark Per IEC60950

PD-9501G/48VDC Midspan

Ordering Information

Part Number	Name	Ports
PD-9501G/48VDC	Microsemi PD-9501G 48VDC	1-port



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