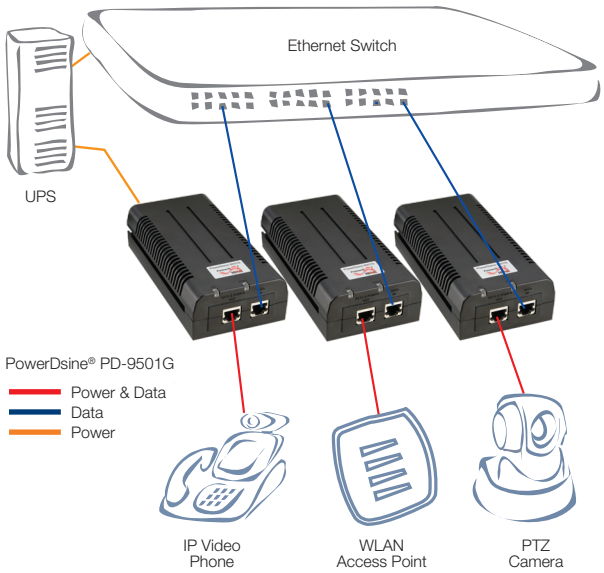
PowerDsine 9501G

High Power, Gigabit Single Port PoE Midspan



Overview

The PowerDsine 9501G is a single port solution for remote powering of current as well as emerging high power applications.

The PowerDsine 9501G 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 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 the assurance of a future proof network.

PD-9501G Features

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

* Dongles required

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: 54-57Vdc User Port Power: 60W Max.
Input Power Requirements	AC Input Voltage: 100 to 240 Vac AC Input Current: 1.2A @100-240Vdc 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: 100,000 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

PowerDsine®

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Ordering Information

Part Number	Name	Ports
PD-9501G/AC	PowerDsine 9501G	1-port

For More Information

North America
PowerDsineUSA@microsemi.com

EMEA
(Europe, Middle East, Africa)
PowerDsine@microsemi.com

LATAM
(Latin America)
PowerDsineLATAM@microsemi.com

APAC
(Asia Pacific)
PowerDsineAPAC@microsemi.com

Microsemi

Power Matters.

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