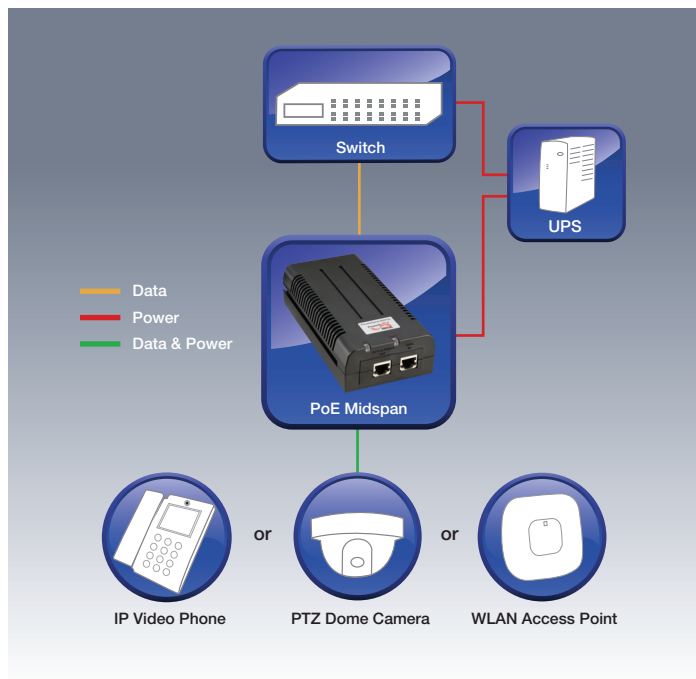


PD-9501G/SP

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



Overview

Microsemi's PD-9501G/SP is a single port, high-power solution for remote powering of current and emerging high power applications, the PD-9501G/SP provides Surge Protection functionality optimal for the installation of outdoor PDs.

Generating a maximum of 60W, the PD-9501G/SP enables remote power for a new range of applications including pan-tilt-zoom (PTZ) cameras, video-phones and thin-clients. It complies to IEEE 802.3af/at PoE standard parameters, while doubling the available power. It can power both existing 10/100Base-T network devices and such emerging wireless gigabit devices as Wi-MAX and remote distance wireless IEEE 802.11n access points.

PD-9501G/SP Features

- Up to 60W of power on 4-pairs
- IEEE 802.3at compliant
- Compatible with all IEEE pre 802.3af, 802.3at and legacy powered devices
- Safe: low power devices receive only the power they need
- Safe and reliable power over ethernet
- Automatic detection and protection of non-standard ethernet terminals
- Supports 10/100/1000BaseT applications
- Compact design fits easily in WLAN access point Installations

PD-9501G/SP 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 (Green and Orange)
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
Warranty	1-year
Regulatory	IEEE 802.3af, 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), VCCI
Surge Protection	Meets Surge Protection as specified in GR-1089-Core Criteria B: ± 1000V/100A @10/1000 [µS] Waveform ± 2500V/500A @2/10 [µS] Waveform ± 1000V/25A @10/360 [µS] Waveform
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



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MSC-PD-9501G/SP 5.14