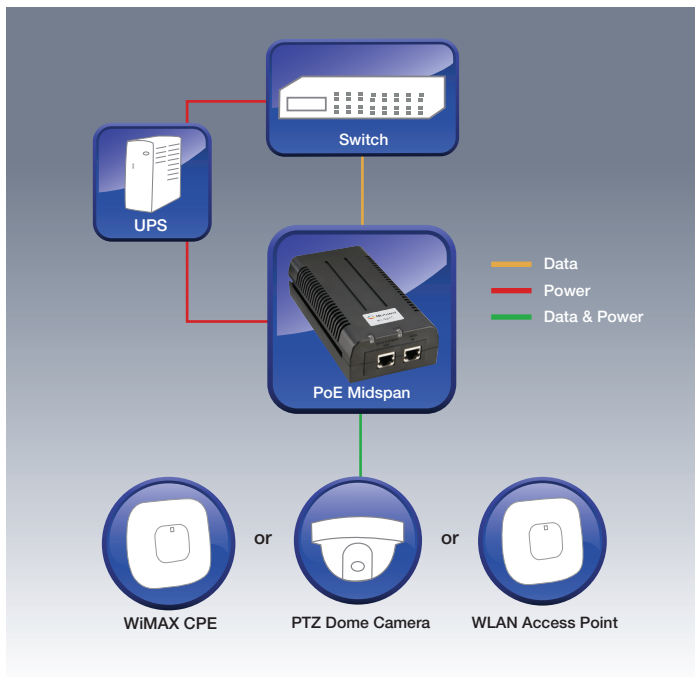


PD-9001G-40/SP

High Power, 802.3af and 802.3at Compliant, Single Port, Gigabit Midspan with Surge Protection



Overview

Microsemi's PD-9001G-40/SP is a single-port solution for remote powering of current as well as emerging high power applications, as well as providing Surge Protection functionality optimal for the installation of outdoor powered devices.

The PD-9001G-40/SP 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, 40W 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-9001G-40/SP Features

- Up to 40W of power on 2-pairs
- Surge protection according to GR 1089
- IEEE 802.3at compliant with 2-event classification
- Cisco and legacy PoE support*
- Plug-and-play installation
- Guaranteed uptime

PD-9001G-40/SP Specifications

No. of Ports	1
Pass Through Data Rates	10/100/1000 Mbps
Power over Ethernet Output	Pin Assignment and Polarity: 4/5 (+), 7/8 (-) Output Power Voltage: 55Vdc User Port Power: 40Watts
Input Power Requirements	AC Input Voltage: 100 to 240 Vac AC Input Current: 0.8A @100-240Vac 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) User Indicator: Channel Power (Green)
Connectors	Shielded RJ-45, EIA 568A and 568B
Environmental Conditions	Operating Ambient Temperature: 14° to 113°F (-10 to 45°C) 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	26 BTU/Hr
Warranty	1-year
Regulatory Compliance	IEEE 802.3af (PoE, PoH Type 1), 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	Description
PD-9001G-40/SP/AC	PD-9001G-40/SP	High Power 40W 1-port Gigabit PoE with Surge Protection, AC input



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