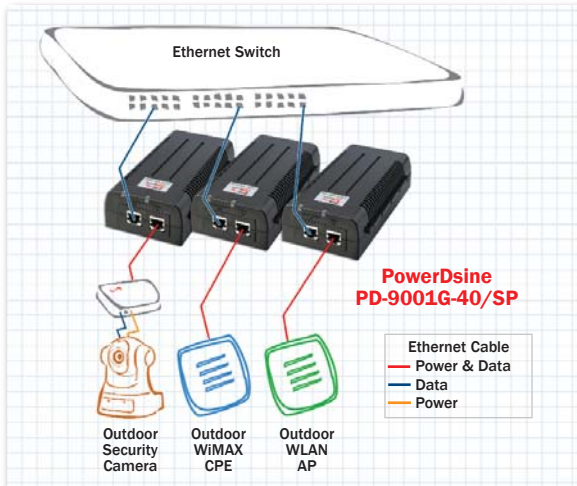


PowerDsine® 9001G-40/SP Midspan

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



Overview

The PowerDsine 9001G-40/SP is a single port, high-power solution for remote powering of current and emerging high power applications. In addition to PoE midspan functionality, the PD-9001G-40/SP provides Surge Protection functionality optimal for the installation of outdoor PDs.

Generating up to 40W, the 9001G-40/SP enables remote power for a new range of applications including 802.11 Access Points, pan-tilt-zoom (PTZ) cameras and WiMAX CPE. It complies to IEEE 802.3af PoE standard parameters, and to the latest draft of IEEE802.3at. It can power both existing 10/100Base-T network devices and emerging wireless 1000Base-T devices such as Wi-MAX and wireless IEEE 802.11n access points.

PD-9001G-40/SP Features

- Up to 40W of Power on 2-pairs
- IEEE 802.3at-Draft 4.2 Compliant with 2-event classification
- IEEE 802.3af backward compatible
- Surge protection according to GR 1089
- Safe and Reliable Power to WLAN Access Points
- Supports 10/100/1000Base-T applications
- Compact Design with 1U height

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 @ 100-240 Vac AC Frequency: 50 to 60 Hz
Dimensions	87.9 mm x 43 mm x 166 mm 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	27 BTU/Hr (@240VAC)
Warranty	1-year
Regulatory Compliance	IEEE 802.3af (PoE), 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
PD-9001G-40/SP/AC	PowerDsine 9001G-40/SP

Description
High Power 40W
1-port Gigabit PoE
with Surge Protection,
AC input