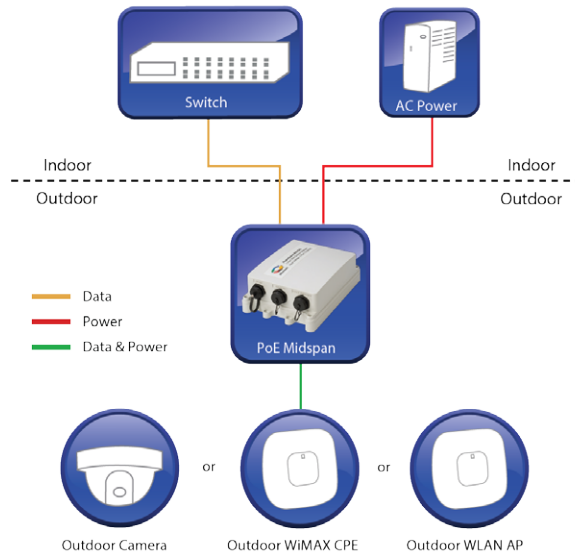# PD-9501GO Midspan

Single-port, Outdoor PoE Midspan, 60W, IEEE802.3at Compliant

Features

- Outdoor rated: IP66
- Extended temperature range -40ºC, +55ºC
- IEEE802.3at standard compliant
- Power provided using all 4 pairs
- Supports 10/100/1000Mbps data rates
- Plug 'n Play installation (installer does not have to open unit)
- Supports both 802.3af and 802.3at Powered devices
- Includes integral surge protection

Overview

Microsemi's PD-9501GO Power over Ethernet (PoE) single-port Midspan offers a cost effective, IEEE 802.3at compliant solution for outdoor installations, guaranteeing 60 Watts of power and ensuring safe and reliable operation in outdoor environment of any standard PoE data terminal. It allows wireless LAN access points, security network cameras and other IP terminals to receive power, along with data, over standard Ethernet cables, leaving network infrastructure completely unaltered. The PD-9501GO also offers surge protection for both the AC and the PoE ports ensuring the indoor equipment is protected from outdoor surges.

PD-9501GO 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 (–), 1/2(–), 3/6(+) Output Power Voltage: 55Vdc User Port Power: 60W guaranteed
Input Power Requirements	AC Input Voltage: 100 to 240 Vac AC Input Current: 2.0A @100-240 VAC AC Frequency: 50 to 60 Hz
Dimensions	214 mm x 150 mm x 70 mm 8.42 in. x 5.90 in. x 2.75 in
Weight	.1.65 lbs (750g)
Indicator	No LED indicators
Connectors	Shielded rugged RJ-45 (with gasket)

PD-9501GO Specifications

Environmental Operating	Operating Ambient Temperature:
	  -40º to 122ºF (-40 to 50ºC) for 60W
	  -40º to 131ºF (-40 to 55ºC) for 30W
	Operating Humidity:
	  Maximum 95%, Non-condensing
	Storage Temperature:
	  –40º to 185ºF (–40º to 85ºC)
	Storage Humidity:
	  Maximum 95%, Non-condensing
	Operating Altitude:
	  Up to 6,560 ft. (2000 m)
	Weather Rating:
	  IP66, NEMA 4X

Reliability	MTBF: 189,000 hrs. @25ºC
Thermal Rating	45 BTU/Hr (@240VAC)
Warranty	1-year
Regulatory Compliance	IEEE 802.3af (PoE, PoH Type1) 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 EN 55024, EN61000-4-5 Class 5 (6kV CM)VCCI
Surge Protection	Meets Surge Protection as specified in GR-1089-CORE Issue 4 ITU-T K.20 6 kV on AC lines
Safety Approvals	UL/cUL Per IEC 60950-1 GS Mark Per IEC 60950-1
Approvals	Level1P66; NEMA 250, Level 4X ASTM B-117 Corrosion Resistance

Ordering Information

PART NUMBER	DESCRIPTION
PD-9501GO-ENT	Outdoor, single port, 10/100/1000 E/N, 802.3at+ PoE injector (60W)
PD-MBKOUT	Mounting brackets for outdoor unit