

# PD-9501GCO Midspan

Single-Port, IP67, IEEE® 802.3bt Type 3, 60W  
Outdoor Power over Ethernet (PoE) Midspan  
With Extended Temperature Range



## Summary

Microchip's PD-9501GCO Power over Ethernet (PoE) single-port midspan offers a cost effective, IEEE 802.3bt Type 3-compliant solution with pre-bt support. It guarantees 60 Watts of power and is designed for operation in outdoor environments. It allows wireless LAN access points, security network cameras and other IP terminals to receive power and data over standard Ethernet cables, leaving network infrastructure completely unaltered.

The PD-9501GCO offers surge protection for both the AC and the PoE ports. It is also weather rated with dust and water intrusion protection.

## Features

- Outdoor rated: IP67
- Extended temperature range  
-40°C to +65°C
- Supports IEEE 802.3bt Type 3 standard PDs
- IEEE 802.3af/at backward compatible
- One part number for worldwide use (AC connector)
- Supports 10/100/1000 Mbps data rates
- Plug-and-play installation
- Integrated surge protection

## Specifications

Feature	Description
Number of Ports	1
Data Rate	10/100/1000 Mbps
Input Power Requirement	AC Input Voltage: 100 to 240 Vac AC Input Current: 1.4A AC Frequency: 50/60 Hz
Output Power	60W over 4-pairs
PoE Output	Data Pairs 1/2 (-), 3/6 (+) Spare Pairs 7/8 (-), 4/5 (+) Output Voltage: 54 Vdc Nominal
Dimensions	L x W x H 170 mm x 140 mm x 60 mm 6.69 in. x 5.51 in. x 2.36 in. Metal Enclosure
Net Weight	1.56 kg
Connectors	Shielded Rugged RJ-45 (with gasket), AC Connector
Indicators	No LED Indicators
Environmental Conditions	Operating Ambient Temperature: -40°F to +149°F (-40°C to +65°C) Operating Humidity: Maximum 90%, Non-Condensing Storage Temperature: -40°F to +185°F (-40°C to +85°C) Storage Humidity: Maximum 95%, Non-Condensing Operating Altitude: Up to 6,560 ft. (2000m)
Hazardous Substances	CE, WEEE
Warranty	3 years
Reliability	MTBF: 200,000 hrs. @ 25°C
Thermal Rating	35 BTU/Hr
Regulatory Compliance	IEEE® 802.3bt Type 3, IEEE 802.3af/at (PoE)
Electromagnetic Emission and Immunity	FCC Part 15, Class B EN 55032 Class B EN55035 VCCI
Safety	UL/IEC/EN 62368-1 Please contact Microchip for a complete list of certifications
Surge Protection	GR-1089-CORE Issue 4 ITU-T K.21 Enhanced Surge-Level Protection (6 kV on Data and AC Lines)
Other Standards and Approvals	Dust and Water Intrusion: EN60529, Weather Ratings: IP66, IP67, NEMA 250 Level 4X Corrosion Resistance: ASTM B-117

## Technical Support

For technical support, please visit the Microchip Technical Support Portal at [www.microchip.com/support](http://www.microchip.com/support).

## Ordering Information

Part Number	Product Name	Description
PD-9501GCO/AC	PD-9501GCO	Single-Port, IP67, IEEE® 802.3bt Type 3, 60W Outdoor PoE Midspan, Extended Temperature Range
PD-OUT/MBK/ET	Outdoor MBK	Mounting Bracket for Outdoor Midspans

Contact Microchip for other options.

## About Microchip mPoE



Microchip multi-Power over Ethernet (mPoE) is a technology that powers any wired network device seamlessly and efficiently, making it the ideal solution for Ethernet-based applications. Leveraging a uniquely designed algorithm, this technology solves interoperability issues between different PoE standards and legacy solutions to provide an international network power standard. As a pioneer in PoE technology, we offer a comprehensive end-to-end portfolio of PoE solutions comprised of PoE ICs and PoE systems (midspans/injectors and switches).

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