

# PD-9501 GCO Midspan

Single-Port, IP67, IEEE 802.3bt Type3, 60W Outdoor 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 and Pre-bt support 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-9501GCO also offers surge protection for both the AC and the PoE ports ensuring the indoor equipment is protected from outdoor surges.



## 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 (installer does not have to open the unit)
- Includes integrated surge protection

## Specifications

Feature	Description
No. of Ports	1
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: 54 VDC User Port Power: 60W Guaranteed
Input Power Requirements	AC Input Voltage: 100 to 240 Vac (±10%) AC Input Current: 2A @ 100–240 Vac AC Frequency: 50 to 60 Hz
Dimensions	Metal enclosure: 170 mm × 140 mm × 60 mm, 6.69 in. × 5.51 in. × 2.36 in
Weight	1.4 kg
Indicators	No LED indicators
Connectors	Shielded rugged RJ-45 (with gasket), AC connector
Environmental Conditions	Operating Ambient Temperature: –40°F to +149°F (–40°C to +65°C) Operating Humidity: Maximum 95%, 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) Weather Rating: IP67, NEMA 4X
Reliability	MTBF: 200,000 hrs. @ 25°C
Thermal Rating	35 BTU/Hr
Warranty	3 years
Regulatory Compliance	IEEE 802.3bt type 3, IEEE 802.3af/at (PoE), RoHS Compliant, WEEE Compliant, CE
Electromagnetic Emission & Immunity	FCC Part 15, Class B, EN 55032 Class B (Emissions), EN 55024, EN61000-4-5: Class 5 (AC lines 6kV CM/DM) VCCI
Surge Protection	Design to meets Surge Protection as specified in: GR-1089-CORE Issue 4 ITU-T K.21 enhanced surge level protection (6 kV on Data and AC lines)
Safety	UL/IEC/EN 60950-1 (ed.2), UL 60950-22
Other Standards and Approvals	Dust proof and water resistance: EN60529, Approvals Level IP67; NEMA 250, Level 4X ASTM B-117 Corrosion Resistance

## Ordering Information

Product Name	Description	Part Number
9501GCO	Single-Port, IP67, IEEE 802.3bt Type3, 60W Outdoor PoE Midspan with Extended Temperature Range	PD-9501GCO/AC
Outdoor MBK	MBK for ET & GCO outdoor midspans	PD-OUT/MBK/ET

### For More Information

[www.microsemi.com](http://www.microsemi.com)



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