

# PD-9501GCI/DC

Single-Port, IEEE® 802.3bt Type 3 60W, 20–60 Vdc,  
Industrial Power over Ethernet (PoE) Midspan



## Summary

Microchip's PD-9501GCI is a single-port, high-power solution for remote powering of high-power indoor applications. Generating 60W, the 9501GCI enables remote power for a range of applications including wireless access points, Pan-Tilt-Zoom (PTZ) cameras and other IP terminals. It supports the IEEE 802.3bt PoE standard and is backward compatible to IEEE 802.3af/at. It can power both existing 10/100/1000Base-T network devices and 1000BaseT devices such as wireless IEEE 802.11n wireless access points.

## Key Features

- Supports IEEE 802.3bt type 3 standard PDs
- IEEE 802.3af/at backward compatible
- Dual DC inputs 20–60 Vdc range
- Industrial-rated IP30
- Extended temperature range: –40°C to +75°C
- Plug-and-play installation
- Supports 10/100/1000 Mbps

## Specifications

Feature	Description
Number of Ports	1
Data Rate	10/100/1000 Mbps
Input Power Requirement	DC Input Voltage: 20 to 60 Vdc DC Input Current: 4.0A
Output Power	60W over 4-pairs
Power over Ethernet Output	Data Pairs 1/2 (-), 3/6 (+) Spare Pairs 7/8 (-), 4/5 (+) Output Voltage: 55 Vdc Nominal
Dimensions	L × W × H 78 mm × 35 mm × 111 mm 3.07 in. × 1.38 in. × 4.37 in.
Net Weight	720g
Connectors	Shielded RJ-45, EIA 568A and 568B
Indicators	Power 1 - Power 1 Source is connected Power 2 - Power 2 Source is connected Alarm - One of Power 1 or Power 2 sources is faulty PoE - PoE is active and delivering power
Environmental Conditions	Operating Ambient Temperature: –40°F to +167°F (–40°C to +75°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
Hazardous Substances	CE, WEEE
Warranty	3 years
Reliability	MTBF: 170,000 hrs. @ 25°C
Thermal Rating	32 BTU/Hr
Regulatory Compliance	IEEE® 802.3bt
Electromagnetic Emission and Immunity	FCC Part 15, Class B EN 55032 Class B EN55035 VCCI
Safety	UL/IEC/EN 62368-1 UL508 Please contact Microchip for a complete list of certifications

## 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-9501GCI/DC	PD-9501GCI/DC	Single-Port, IEEE® 802.3bt Type 3 60W, 20-60 Vdc, Industrial PoE Midspan

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).