

# PD-3501GS Indoor Injector

Single-port Gigabit PoE Indoor Injector, 802.3af Compliant



## Summary

Microchip's PD-3501GS single- port PoE midspan offers a compact and cost effective, IEEE 802.3af compliant solution for powering IP phones, WLAN access points, network cameras and other IP terminal devices.

The compact and affordable PD- 3501GS provides reliable power over standard Ethernet cables, leaving existing network infrastructure completely unaltered.

With plug-and-play installation, the PD-3501GS can be easily and cost effectively implemented leveraging the existing Ethernet infrastructure while at the same time providing the assurance of a future proof network.

## Features

- Safe and reliable power over existing Ethernet infrastructure
- Stackable and compact
- Legacy PoE Support
- Plug-and-play installation
- DOE Level VI and VII (latest draft) Efficiency compliant

## Specifications

Feature	Description
Number of Ports	1
Data Rate	10/100/1000 Mbps
Input Power Requirement	AC Input Voltage: 100-240 Vac AC Input Current: 0.5A AC Frequency: 50/60 Hz
Output Power	15.4W
Power over Ethernet Output	4/5 (+), 7/8 (-) Nominal Output Voltage: 50 Vdc
Dimensions	L × W × H 140 mm × 51.8 mm × 33.5 mm 5.5 in. × 2.04 in. × 1.32 in.
Net Weight	182 gr (0.4 lbs)
Connectors	Shielded RJ-45, EIA 568A and 568B
Indicators	AC power - Blinking Blue, Channel Power - Green
Environmental Conditions	Operating Ambient Temperature: 14°F to 122°F (-10°C to +50°C) @ 15.4W Operating Humidity: Maximum 90%, Non-Condensing Storage Temperature: -4°F to +158°F (-20°C to +70°C) Storage Humidity: Maximum 95%, Non-condensing Operating Altitude: -1000 to 10,000 ft. (-304.8 to 3048m)
Hazardous Substances	CE, WEEE
Warranty	2 years
Reliability	MTBF: 200,000 hrs @ 25°C
Thermal Rating	20 BTU/Hr
Regulatory Compliance	IEEE 802.3af
Electromagnetic Emission and Immunity	FCC Part 15 Class B EN 55032 Class B EN 55035 VCCI
Safety	UL/IEC/EN 62368-1 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	Name	Description
<b>PD-3501GS/AC-XX</b> PD-3501GS/AC-AU Australia Power Cord PD-3501GS/AC-EU European Union Power Cord PD-3501GS/AC-JP Japan Power Cord PD-3501GS/AC-UK United Kingdom Power Cord PD-3501GS/AC-US United States Power Cord	PD-3501GS	1-port 10/100/1000 Mbps

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).