

PD-3501G Indoor Injector

Single-port Gigabit PoE Indoor Injector, 802.3af Compliant



Summary

Microchip's PD-3501G 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-3501G provides reliable power over standard Ethernet cables, leaving existing network infrastructure completely unaltered.

With plug-and-play installation, the PD-3501G 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.

PD-3501G Features

- Safe and reliable power over existing Ethernet infrastructure
- Stackable and compact
- Legacy PoE Support
- Plug-and-play installation

PD-3501G 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: 0.43A AC Frequency: 50/60 Hz
Output Power	15.4W
Power over Ethernet Output	4/5 (+), 7/8 (-) Nominal Output Voltage: 48 Vdc
Dimensions	L x W x H 140 mm x 51.8 mm x 33.5 mm 5.5 in. x 2.04 in. x 1.32 in.
Net Weight	350 gr (0.77 lbs)
Connectors	Shielded RJ-45, EIA 568A and 568B
Indicators	AC power - Yellow, Channel Power - Green
Environmental Conditions	Operating Ambient Temperature: 14°F to 104°F (-10°C to +40°C) @ 15.4W 14°F to 122°F (-10°C to +50°C) @ 8W 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	1 year
Reliability	MTBF: 100,000 hrs @ 25°C
Thermal Rating	13 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 www.microchip.com/support

Ordering Information

Part Number	Name	Description
PD-3501G/AC-XX PD-3501G/AC-AU Australia Power Cord PD-3501G/AC-EU European Union Power Cord PD-3501G/AC-JP Japan Power Cord PD-3501G/AC-UK United Kingdom Power Cord PD-3501G/AC-US United States Power Cord	PD-3501G	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).