PD-3501G Indoor Injector

Single-port Gigabit PoE Indoor Injector, 802.3af Compliant



Summary

Microchip's PD-3501G singleport 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 × W × H 140 mm × 51.8 mm × 33.5 mm 5.5 in. × 2.04 in. × 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	1-port 10/100/1000 Mbps
PD-3501G/AC-JP Japan Power Cord		
PD-3501G/AC-UK United Kingdom Power Cord		
PD-3501G/AC-US United States Power Cord		

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).

