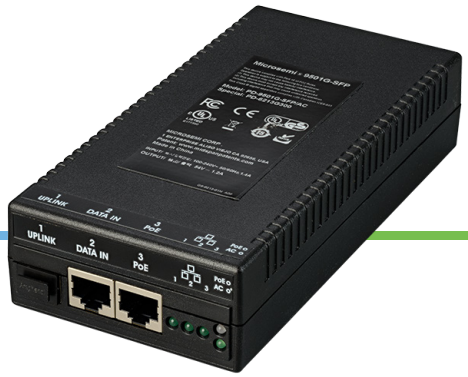
PD-9501G-SFP

PoE Media Converter, 60W PoE Output



Summary

The Microchip PD-9501G-SFP is a media converter with PoE functionality. It has a total of 3 ports that can be active simultaneously. Data input can be through the SFP module or through the RJ45 port, while the output will be data and power up to 60 W. The media converter offers a unique solution to powering long range installations, where the data input comes over fiber. Standard SFP modules can be used (SM or MM modules). The 9501G-SFP complies with IEEE 802.3at and will provide PoE after detection. The PoE port will provide the power level needed by the end device, offering a safe solution for all types of 802.3af/at applications.

Features

- Media converter: SFP to PoE
- Can be used as PoE injector
- All 3 ports can be active simultaneously
- IEEE 802.3at compliant
- Power Output: 60W
- Supports 10/100/1000Base-T
- Safety: low power devices receive only the power they need

Feature	Description
Number of Ports	3 Port 1: SFP–data uplink Port 2: RJ45–data in Port 3: RJ45–PoE out
Data Rate	SFP: 1000 Mbps Copper: 10/100/1000 Mbps
Input Power Requirement	AC input voltage: 100 VAC to 240 VAC AC input current: 1.4 A AC frequency: 50/60 Hz
Output Power	60W
Power over Ethernet Output	Data Pairs 1/2 (-), 3/6 (+) Spare Pairs 7/8 (-), 4/5 (+) Output Voltage: 54 Vdc nominal
Dimensions	L × W × H 160 mm × 80 mm × 36 mm 6.30 in. × 3.15 in. × 1.425 in
Net Weight	580g
Connectors	Shielded RJ-45, EIA 568A and 568B SFP cage
Indicators	Channel port indicator: Power delivered over 4 pairs - green Power delivered over 2 pairs - yellow 3 port data indicators - green AC Power -green
Environmental Conditions	Operating Ambient Temperature: 14 ºF to 113 ºF (–10 ºC to 45ºC) at 60 W 14 ºF to 131 ºF (–10 ºC to 55 ºC) at 30 W Operating Humidity: 90% Maximum Non-Condensing Storage Temperature: –4ºF to +158ºF (–20ºC to +70ºC) Storage Humidity: 95% maximum, Non-condensing Operating Altitute: –1000 to 10,000 ft. (–304.8 to 3048 m)
Hazardous Substances	CE, WEEE
Warranty	1 Year
Extended Warranty Available	No
Reliability	MTBF: 150,000 hrs.
Thermal Rating	55 BTU/Hr
Regulatory Compliance	IEEE 802.3at
Electromagnetic Emission and Immunity	FCC Part 15, Class B EN 55032 Class B EN 55024 VCCI
Safety	UL/IEC/EN 62368-1 Please consult 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	Product Name	Description
PD-9501G-SFP/AC-xx PD-9501G-SFP/AC-AU Australia Power Cord PD-9501G-SFP/AC-EU European Union Power Cord PD-9501G-SFP/AC-JP Japan Power Cord PD-9501G-SFP/AC-UK United Kingdom Power Cord PD-9501G-SFP/AC-US United States Power Cord	PD9501G-SFP	PoE Media Converter, 60 W

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 pioneers in PoE, Microchip offers a comprehensive end-to-end portfolio of PoE solutions comprised of PoE ICs and PoE systems (midspans/injectors and switches).

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