

PD-9501G-SFP

PoE Media Converter, 60 W PoE Output

The Microsemi PD-9501G-SFP is a media converter with PoE functionality. It has total of 3 ports that can be active simultaneously. Data input can be through 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 applications starting with 802.3af loads and up to 802.3at 4-pairs loads.

Features

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



Specifications

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 modules Copper: 10/100/1000 mbps
Power over Ethernet Output	Pin assignment and polarity: Data pairs 1/2 (–), 3/6 (+) Spare pairs 7/8 (–), 4/5 (+) Output power voltage: 54 VDC
User Power Port	60 W (guaranteed)
Input Power Requirements	AC input voltage: 100 VAC to 240 VAC $\pm 10\%$ AC input current: 1.4 A at 100 VAC AC frequency: 50 Hz to 60 Hz
Dimensions	80 mm (W) $\times$ 36 mm (H) $\times$ 160 mm (L)
Weight	0.88 lbs (400g)
Indicators	System indicator: AC power (green) Channel port indicator: Green–power delivered over 4 pairs Yellow–power delivered over 2 pairs 3 port data indicators (green)
Connectors	Shielded RJ-45, EIA 568A, and 568B SFP cage
Environmental Conditions	Operating ambient temperature: 14 °F to 113 °F (–10 °C to 45 °C) at 60 W 14 °F to 131 °F (–10 °C to 55 °C) at 30 W Storage temperature: –4 °F to 158 °F (–20 °C to 70 °C) Operating humidity: maximum 95%, non-condensing Storage humidity: maximum 95%, non-condensing
Reliability	MTBF: 150,000 hours at 25 °C
Warranty	1 year
Regulatory Compliance	RoHS-compliant, WEEE-compliant, IEEE 802.3at (PoE)
Electromagnetic Emission and Immunity	FCC Part 15, Class B EN 55022 Class B (emissions) EN 55024 (immunity) VCCI
Safety	UL/EN/IEC 60950-1

PD-9501G-SFP

PoE Media Converter, 60 W PoE Output

Ordering Information

Microsemi Part Number	Part Name	Description
PD-9501G-SFP/AC	Microsemi 9051G-SFP	PoE Media Converter, 60 W



Microsemi Headquarters

One Enterprise, Aliso Viejo, CA 92656 USA
 Within the USA: +1 (800) 713-4113
 Outside the USA: +1 (949) 380-6100
 Sales: +1 (949) 380-6136
 Fax: +1 (949) 215-4996
 email: sales.support@microsemi.com
 www.microsemi.com

Microsemi, a wholly owned subsidiary of Microchip Technology Inc. (Nasdaq: MCHP), offers a comprehensive portfolio of semiconductor and system solutions for aerospace & defense, communications, data center and industrial markets. Products include high-performance and radiation-hardened analog mixed-signal integrated circuits, FPGAs, SoCs and ASICs; power management products; timing and synchronization devices and precise time solutions, setting the world's standard for time; voice processing devices; RF solutions; discrete components; enterprise storage and communication solutions, security technologies and scalable anti-tamper products; Ethernet solutions; Power-over-Ethernet ICs and midspans; as well as custom design capabilities and services. Learn more at www.microsemi.com.

Microsemi makes no warranty, representation, or guarantee regarding the information contained herein or the suitability of its products and services for any particular purpose, nor does Microsemi assume any liability whatsoever arising out of the application or use of any product or circuit. The products sold hereunder and any other products sold by Microsemi have been subject to limited testing and should not be used in conjunction with mission-critical equipment or applications. Any performance specifications are believed to be reliable but are not verified, and Buyer must conduct and complete all performance and other testing of the products, alone and together with, or installed in, any end-products. Buyer shall not rely on any data and performance specifications or parameters provided by Microsemi. It is the Buyer's responsibility to independently determine suitability of any products and to test and verify the same. The information provided by Microsemi hereunder is provided "as is, where is" and with all faults, and the entire risk associated with such information is entirely with the Buyer. Microsemi does not grant, explicitly or implicitly, to any party any patent rights, licenses, or any other IP rights, whether with regard to such information itself or anything described by such information. Information provided in this document is proprietary to Microsemi, and Microsemi reserves the right to make any changes to the information in this document or to any products and services at any time without notice.

©2018 Microsemi, a wholly owned subsidiary of Microchip Technology Inc. All rights reserved. Microsemi and the Microsemi logo are registered trademarks of Microsemi Corporation. All other trademarks and service marks are the property of their respective owners.

MSCC-0234-DS-01000-1.00-0818