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 ±10% AC input current: 1.4 A at 100 VAC AC frequency: 50 Hz to 60 Hz
Dimensions	80 mm (W) × 36 mm (H) × 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 ºF to 113 ºF (–10 ºC to 45 ºC) at 60 W 14 ºF to 131 ºF (–10 ºC to 55 ºC) at 30 W Storage temperature: –4 ºF to 158 ºF (–20 ºC to 70 ºC)
	Operating humidity: maximum 95%, non-condensing Storage humidity: maximum 95%, non-condensing
Reliability	MTBF: 150,000 hours at 25 ºC
Warranty	1 year
Regulatory Compliance	RoHS-compliant, WEEE-compliant, IEEE 802.3at (PoE)
Electromag-netic Emission and Immunity	FCC Part 15, Class B EN 55022 Class B (emissions) EN 55024 (immunity) VCCI
Safety	UL/EN/IEC 60950-1

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Ordering Information

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



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