

PD-9501 GCS

PoE Media Convertor, IEEE 802.3bt Type 3, 60W PoE Output

Summary

The Microchip PD-9501GCS is a Media converter with PoE functionality. It has total of 3 ports that can be active simultaneously. Data input can be via SFP module or via the RJ45 port, the output will be data and power up to 60W.

The media converter offers unique solution to power long-range installations where the data input comes over fiber. Standard SFP modules can be used (SM or MM modules).

The 9501GCS complies with IEEE 802.3bt type 3 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 IEEE 802.3af loads and up to IEEE 802.3bt 4-pairs loads.



Key Features

- Media converter – SFP to PoE
- IEEE 802.3bt type 3 compliant
- IEEE 802.3af/at backward compatible
- All 3 ports can be active simultaneously
- Output power of 60W over 4-pairs is guaranteed
- Supports 10/100/1000Base-T
- Safe: low-power devices receive only the power they need

Specifications

Feature	Description
No. of Ports	3
Data Rates	Port 1: SFP - Data Uplink, 1000BASE-X (Supports 1.25Gbps transceivers) Port 2: RJ45 - Data In, 10/100/1000 Mbps Port 3: RJ45 - PoE Out, 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 Port Power	60 Watts (Guaranteed)
Input Power Requirements	AC Input Voltage: 100 to 240 Vac $\pm 10\%$ AC Input Current: 1.4A @ 100 Vac AC Frequency: 50 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 power indicator: Green – Power Deliver over 4 pairs Yellow - Power Deliver 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) @60W 14°F to 131°F (-10°C to +55°C) @30W Operating Humidity: Maximum 95%, Non-condensing Storage Temperature: -4°F to 158°F (-20°C to +70°C) Storage Humidity: Maximum 95%, Non-condensing
Reliability	MTBF: 150,000 hrs. @ 25°C
Thermal Rating	38 BTU/Hr
Warranty	1 year
Regulatory Compliance	RoHS Compliant, WEEE Compliant, CE Compliant, IEEE 802.3bt/at/af (PoE)
Electromagnetic Emission & Immunity	FCC Part 15, Class B, EN 55032 Class B (Emissions), EN 55024 (Immunity), VCCI
Safety	UL/EN/IEC 60950-1 (ed.2)

Ordering Information

Product Name	Description	Part Number
PD-9501GCS/AC	PoE Media Convertor, IEEE 802.3bt Type3, 60W PoE Output	PD-9501GCS/AC-US: US plug PD-9501GCS/AC-EU: EU plug PD-9501GCS/AC-UK: UK plug PD-9501GCS/AC-AU: AU plug

For More Information

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