PD-9501GCS

IEEE® 802.3bt Type 3 PoE Media Converter With 60W of PoE Output

Summary

Our PD-9501GCS is a media converter with PoE functionality that can power up to 60W. It contains three ports that can be active simultaneously and you can input data via an SFP module or RJ45 port.

This media converter offers a unique solution to power long-range installations that receive data input through fiber. You can use standard SFP modules (SM or MM) with this device.

The PD-9501GCS supports IEEE 802.3bt type 3 end devices and provides PoE after detection. The PoE port provides the power level required by the end device to offer a safe solution for all types of applications including IEE 802.3af-compliant loads and up to four pairs of IEEE 802.3bt-compliant loads.

Key Features

- Media converter–SFP to PoE
- Supports IEEE 802.3bt type 3 standard PDs
- IEEE 802.3af/at backward compatible
- All 3 ports can be active simultaneously
- Guaranteed output power of 60W over four pairs
- Supports 10/100/1000 Base-T standard

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 Copper: 10/100/1000 Mbps
Input Power Requirement	AC Input Voltage: 100 to 240 VAC AC Input Current: 1.4A AC Frequency: 50 to 60 Hz
Output Power	60 Watts
Power over Ethernet Output	Data Pairs 1/2 (-), 3/6 (+) Spare Pairs 7/8 (-), 4/5 (+) Output Power Voltage: 54 VDC
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 System Indication AC Power -green
Environmental Conditions	Operating Ambient Temperature: 14°F to 113°F (–10°C to +45°C) at 60W 14°F to 131°F (–10°C to +55°C) at 30W Operating Humidity: Maximum 90%, Non-Condensing Storage Temperature: –4°F to +158°F (–20°C to +70°C) Storage Humidity: Maximum 95%, Non-Condensing
Hazardous Substances	CE, WEEE
Warranty	1 year
Reliability	MTBF: 150,000 hrs.
Thermal Rating	55 BTU/Hr
Regulatory Compliance	IEEE 802.3bt/at/af
Electromagnetic Emission & Immunity	FCC Part 15, Class B, EN 55032 Class B EN55035 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	Product Name	Description
PD-9501GCS/AC-xx PD-9501GCS/AC-AU Australia Power Cord PD-9501GCS/AC-EU European Union Power Cord PD-9501GCS/AC-JP Japan Power Cord PD-9501GCS/AC-UK United Kingdom Power Cord PD-9501GCS/AC-US United States Power Cord	PD-9501GCS/AC	IEEE® 802.3bt Type 3-Compliant PoE Media Converter With 60W of PoE Output

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).