PD-9501-10GC Midspan

Single-Port, 10 Gbps, IEEE 802.3bt Type3 60W, Indoor PoE Midspan

Summary

The Microchip PD-9501-10GC is a single-port, high-power solution for remote powering of current and emerging high-power indoor applications. Generating 60W over 4 pair, the PD-9501-10GC enables remote power for a new range of applications including 802.11ac access points, Pan-Tilt Zoom (PTZ) cameras and videophones.

PD-9501-10GC complies with IEEE 802.3bt Type 3 PoE standard and is backward compatible to IEEE 802.3af/at standard. It can power both existing 10/100/1000Base-T network devices and emerging wireless 10 Gbps devices such as wireless IEEE 802.11ac access points.

Key Features

- IEEE 802.3bt Type 3 standard compliant
- IEEE 802.3af/at backward compatible
- Guaranteed output power: 60W
- Supports 10/100/1000Base-T and 2.5/5/10 Gbps
- Safe: low-power devices receive only the power they need
- Automatic detection and protection of non–standard Ethernet terminals
- Compact design fits easily in WLAN access point and IP cameras installation

Specifications

Feature	Description
Number of Ports	1
Data Rate	10/100/1000 Mbps, 2.5/5/10 Gbps
Input Power Requirement	AC Input Voltage: 100 to 240 Vac AC Input Current: 1.5A @ 100 Vac 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: 55 Vdc nominal
Dimensions	L x W x H 176 mm x 67 mm x 38.3 mm 6.93 in. x 2.64 in. x 1.51 in
Net Weight	330g (0.73 lbs)
Connectors	Shielded RJ-45, EIA 568A and 568B
Indicators	System Indicator: AC Power - Yellow Channel Power Indication 2 Pair - Blue 4 Pair - Green
Environmental Conditions	Operating Ambient Temperature: 32ºF to 104ºF (0ºC to +40ºC) 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: 200,000 hrs. @ 25ºC
Thermal Rating	36 BTU/Hr
Regulatory Compliance	IEEE 802.3bt Type 3
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-9501-10GC/AC-XX PD-9501-10GC/AC-EU European Union Power Cord PD-9501-10GC/AC-JP Japan Power Cord PD-9501-10GC/AC-UK United Kingdom Power Cord PD-9501-10GC/AC-US United States Power Cord	PD-9501-10GC/AC	Single-Port, 10 Gbps, IEEE 802.3bt Type3 60W, Indoor PoE Midspan

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).