

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 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
No. of Ports	1
Data Rates	10/100/1000 Mbps & 10 Gbps
Power over Ethernet Output	Pin Assignment and Polarity: Data Pairs 1/2 (-), 3/6 (+) Spare Pairs 7/8 (-), 4/5 (+) Output Power Voltage: 55 Vdc
User Port Power	60 Watts (Guaranteed)
Input Power Requirements	AC Input Voltage: 100 to 240 Vac AC Input Current: 1.5A @ 100 Vac AC Frequency: 50 to 60 Hz
Dimensions	67 mm (W) × 38.3 mm (H) × 176 mm (L) 2.64 in. × 1.51 in. × 6.93 in
Weight	0.73 lbs (330g)
Connectors	Shielded RJ-45, EIA 568A and 568B
Environmental Conditions	Operating Ambient Temperature: 32°F to 104°F (0°C to 40°C) 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: 200,000 hrs. @ 25°C
Warranty	1 year
Regulatory Compliance	RoHS Compliant, WEEE Compliant, CE IEEE 802.3bt Type 3 (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-9501-10GC/AC	Single-Port, 10 Gbps, IEEE 802.3bt Type3 60W, Indoor PoE Midspan	PD-9501-10GC/AC-US: US plug PD-9501-10GC/AC-EU: EU plug PD-9501-10GC/AC-UK: UK plug PD-9501-10GC/AC-AU: AU plug

For More Information

www.microsemi.com



The Microchip name and logo and the Microchip logo are registered trademarks of Microchip Technology Incorporated in the U.S.A. and other countries. All other trademarks mentioned herein are property of their respective companies.
© 2020, Microchip Technology Incorporated. All Rights Reserved. 2/20

DS00003362A