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: 32ºF to 104ºF (0ºC to 40ºC) Operating Humidity: Maximum 95%, Non-condensing Storage Temperature: –4ºF to +158ºF (–20ºC to +70ºC) Storage Humidity: Maximum 95%, Non-condensing
Reliability	MTBF: 200,000 hrs. @ 25ºC
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

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