PD-9001-10GR Midspan
Single Port, 10GbE, 30W PoE Indoor Midspan

Key Features

- IEEE 802.3at compliant
- IEEE 802.3af backward compatible
- Guaranteed output power - 30W
- Supports 10/100/1000Base-T & 10GbE
- 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

Overview

The Microsemi PD-9001-10GR is a single port, high-power solution for remote powering of current and emerging high power indoor applications. Generating 30W, the PD-9001-10GR enables remote power for a new range of applications including 802.11ac Access Points, pan-tiltzoom (PTZ) cameras and video-phones. It complies to IEEE 802.3at PoE standard and is backward compatible to IEEE802.3af. It can power both existing 10/100/1000Base-T network devices and emerging wireless 10GbE devices such as wireless IEEE 802.11ac access points.

Figure 1: PD-9001-10GR

Specifications

Feature	Description
No. of Ports	1
Data Rates	10/100/1000 Mbps & 10GbE
Power over Ethernet Output	Pin Assignment and Polarity: 4/5 (+), 7/8 (–) Output Voltage: 55Vdc
User Port Power	30 Watts (Guaranteed)
Input Power Requirements	AC Input Voltage: 90 to 264Vac AC Input Current: 1.5A @ 100-240Vac AC Frequency: 50 to 60Hz
Dimensions	87.9mm (W) x 43mm (H) x 166mm (L) 3.46 in. x 1.68 in. x 6.53 in
Weight	0.91 lbs (410 g)
Indicators	AC Power (Yellow)
	Channel Power (Green)
Connectors	Shielded RJ-45, EIA 568 A and 568 B
Environmental Conditions	Operating Ambient Temperature: 14º to 113ºF (-10 to 45ºC) @ 30 W
	Operating Humidity: Maximum 90%, Non-condensing
	Storage Temperature: -4º to 158ºF (-20º to 70ºC)
	Storage Humidity: Maximum 95%, Non-condensing
Reliability	MTBF: 350,000 hrs. @25ºC
Warranty	1-year
Regulatory Compliance	IEEE 802.3at (PoE), RoHS Compliant, WEEE Compliant, CE
Electromagnetic Emission & Immunity	FCC Part 15, Class B EN 55022 Class B (Emissions) EN 55024 (Immunity) VCCI
Safety	UL/EN/IEC 60950-1

Ordering Information

Part Number	Name	Description
PD-9001-10GR/AC	Microsemi 9001-10GR	1-Port 10GbE, 30W PoE Midspan