

# PD-9001-25GR Midspan Single Port, 2.5GbE, 30W PoE Indoor Midspan

### **Key Features**

- IEEE 802.3at compliant
- IEEE 802.3af backward compatible
- Guaranteed output power 30W
- Supports 10/100/1000Base-T & 2.5GbE (NBASE-T)
- Tested for 2.5Gbps NBASE-T rate
- Safe: low power devices receive only the power they need
- Compact design fits easily in WLAN Access Point and IP Cameras installation

#### **Overview**

The Microsemi PD-9001-25GR is a single port, high-power solution for remote powering of current and emerging high power indoor applications. Generating 30W, the PD-9001-25GR enables remote power for a new range of applications including 802.11ac wave 2 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 2.5GbE devices such as wireless IEEE 802.11ac access points.



Figure 1: PD-9001-25GR

# **Specifications**

No. of Ports  Data Rates  10/100/1000 Mbps & 2.5GbE  Power over Ethernet Output  Pin Assignment and Polarity: 4/5 (+), 7/8 (-) Output Voltage: 55Vdc  User Port Power 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: 14° to 113°F (-10 to 45°C) @ 30 W  Operating Humidity: Maximum 90%, Non-condensing  Storage Temperature: -4° to 158°F (-20° to 70°C)  Storage Humidity: Maximum 95%, Non-condensing	specifications			
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Storage Humidity:		0 1		
		Storage Humidity:		
Reliability MTBF: 350,000 hrs. @25°C	Reliability	MTBF: 350,000 hrs. @25°C		
Warranty 1-year				
Regulatory IEEE 802.3at (PoE), RoHS Compliant,	Regulatory	IEEE 802.3at (PoE), RoHS Compliant,		
Compliance WEEE Compliant, CE				
Electromagnetic FCC Part 15, Class B	Electromagnetic	FCC Part 15, Class B		
Emission EN 55022 Class B (Emissions)	Emission	EN 55022 Class B (Emissions)		
& Immunity EN 55024 (Immunity) VCCI	& Immunity	EN 55024 (Immunity)		
Safety UL/EN/IEC 60950-1	Safety			



## **Ordering Information**

Part Number	Name	Description
PD-9001-25GR/AC	Microsemi 9001-25GR	1-Port 2.5GbE, 30W PoE Midspan

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