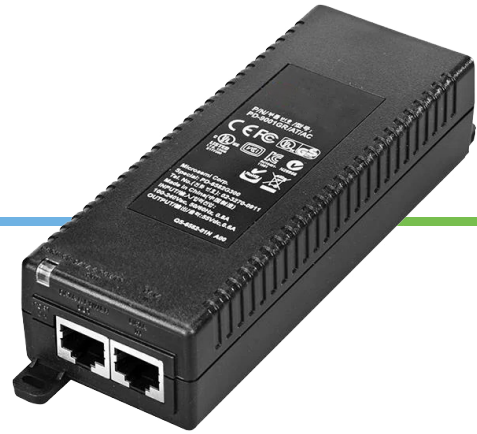


# PD-9001GR

Single-Port Gigabit PoE Midspan, 802.3at Compliant



## Summary

Microchip's PD-9001GR is a single-port, high-power solution for remote powering of current and emerging high-power applications. Generating up to 30W, the PD-9001GR enables remote power for applications including 802.11n access points, Pan-Tilt-Zoom (PTZ) cameras and video phones. It complies to the IEEE 802.3at PoE standard and is backward compatible to IEEE 802.3af. It can power both existing 10/100Base-T network devices and emerging wireless 1000Base-T devices such as WiMAX and wireless IEEE 802.11n access points.

## PD-9001GR Features

- IEEE 802.3at compliant with 2-event classification
- IEEE 802.3af backward compatible
- Output power of 30W is guaranteed
- Supports 10/100/1000Base-T applications
- Compatible with IEEE 802.3af devices
- **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 Camera installations

## Specifications

Feature	Description
<b>Number of Ports</b>	1
<b>Data Rate</b>	10/100/1000 Mbps
<b>Input Power Requirement</b>	AC Input Voltage: 100 to 240 VAC AC Input Current: 0.67A AC Frequency: 50/60 Hz
<b>Output Power</b>	30W
<b>Power over Ethernet Output</b>	4/5 (+), 7/8 (-) Nominal Output Voltage: 55 Vdc
<b>Dimensions</b>	L x W x H 140 mm x 51.8 mm x 33.5 mm 5.5 in x 2.04 in x 1.32 in
<b>Net Weight</b>	380g
<b>Connectors</b>	Shielded RJ-45, EIA 568A and 568B
<b>Indicators</b>	User Indicator: AC power - Yellow, Channel Power - Green
<b>Environmental Conditions</b>	Operating Ambient Temperature @30W: -4°F to +104°F (-20°C to +40°C) Operating Ambient Temperature @22.5W: -4°F to +131°F (-20°C to +55°C) Operating Humidity: Maximum 90%, Non Condensing Storage Temperature: -4°F to +158°F (-20°C to +70°C) Storage Humidity: Maximum 95%, Non-Condensing Operating Altitude: -1000 to 10,000 ft. (-304.8 to 3048m)
<b>Hazardous Substances</b>	CE, WEEE
<b>Warranty</b>	1 year
<b>Reliability</b>	MTBF: 100,000 hrs @ 25°C
<b>Thermal Rating</b>	20 BTU/hr
<b>Regulatory Compliance</b>	IEEE 802.3at
<b>Electromagnetic Emission and Immunity</b>	FCC Part 15, Class B EN 55032 Class B (Emissions) EN55035 (Immunity) VCCI
<b>Safety</b>	UL/IEC/EN 62368-1 Please contact Microchip for a complete list of certifications

## Technical Support

For technical support please visit the Microchip Technical Support Portal [www.microchip.com/support](http://www.microchip.com/support).

## Ordering Information

Part Number	Name	Description
<b>PD-9001GR/AT/AC-xx</b> PD-9001GR/AT/AC-AU Australia Power Cord PD-9001GR/AT/AC-EU European Union Power Cord PD-9001GR/AT/AC-JP Japan Power Cord PD-9001GR/AT/AC-UK United Kingdom Power Cord PD-9001GR/AT/AC-US United States Power Cord	PD-9001GR	Single-port, Gigabit PoE Midspan, 802.3at Compliant

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).