

# PD-9601GC Midspan

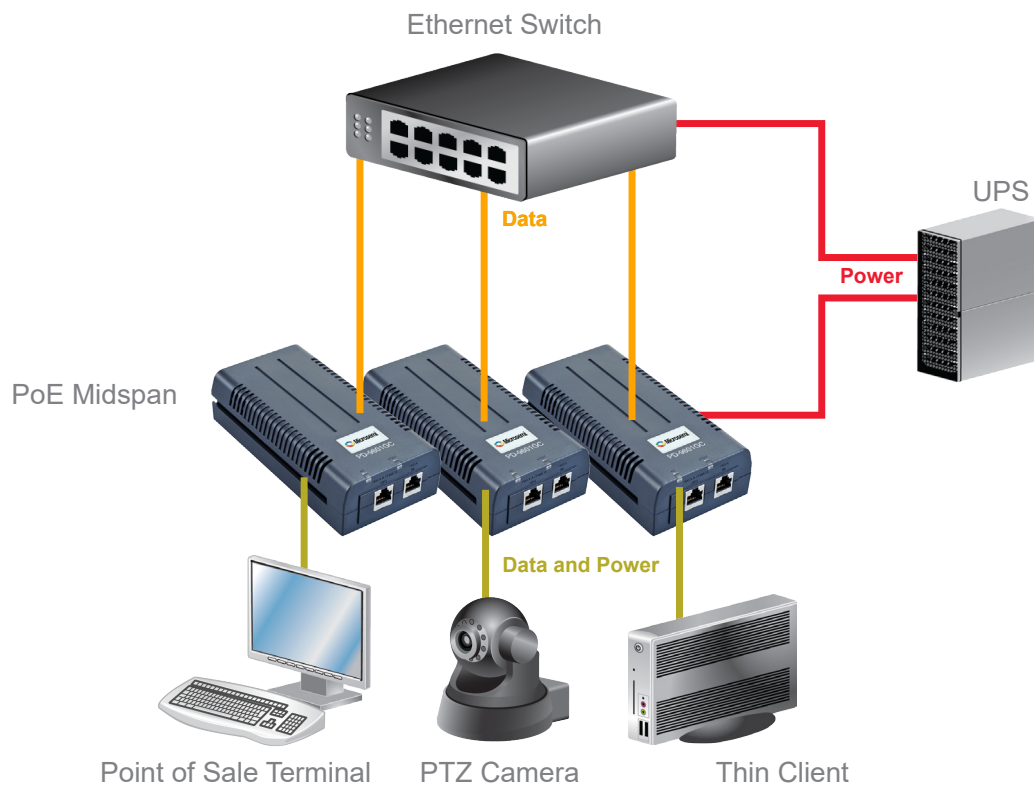
1-Port, IEEE 802.3bt 90W PoE Midspan

## Summary

Microchip's PD-9601GC is a single-port indoor PoE injector that can provide up to 90W based on the IEEE 802.3bt standard, it is used for remote powering of current as well as emerging high-power applications. The PD-9601GC is designed to power PoE-compliant devices such as IEEE 802.11ax access points, Pan-Tilt-Zoom (PTZ) and dome cameras, IP videophones, thin clients and other high-power Ethernet end terminals requiring up to 90W of power. The PD-9601GC is IEEE 802.3bt type 4 and is also backward compatible and safe to use with any IEEE 802.3af/at terminal such as VoIP phones, IP cameras and wireless LAN access points, powering 10/100/1000Base-T devices. With the midspan's plug-and-play installation, they are easy and cost effective to implement leveraging existing Ethernet infrastructure while at the same time providing the assurance of a future proof network.

## PD-9601G Features

- IEEE 802.3bt Type 4 standard compliant
- IEEE 802.3af/at backward compatible
- Up to 90W of power over 4-pairs
- Plug-and-play installation



## Specifications

Feature	Description
No. of Ports	1
Data Rates	10/100/1000 Mbps
Power over Ethernet Output	Pin Assignment and Polarity: Data Pairs 1/2 (-) and 3/6 (+) Spare Pairs 7/8 (-) and 4/5 (+) Output Power Voltage: 54 VDC User Port Power: 90W Guaranteed
Input Power Requirements	AC Input Voltage: 100 to 240 Vac AC Input Current: 1.35A @ 100–240 Vac AC Frequency: 50 to 60Hz
Dimensions	88.7 mm (W) × 43.9 mm (H) × 166.4 mm (L) 3.49 in × 1.73 in × 6.55 in
Weight	1.05 lbs (475g)
Indicators	System indicator AC Power: Green Channel Power Indicator: Green — Power delivered over 4 pairs Yellow — Power delivered over 2 pairs
Connectors	Shielded RJ-45, EIA 568A and 568B
Environmental Conditions	Operating Ambient Temperature: 14°F to 104°F (–10°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 Operating Altitude: –1,000 ft. to 6561.6 ft. (–304.8m to 2,000m)
Reliability	MTBF: 100,000 hrs. @ 25°C
Thermal Rating	55 BTU/Hr (@ 100 Vac)
Warranty	1 year
Regulatory	IEEE 802.3bt Type 4 RoHS Compliant, WEEE Compliant CE
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-9601GC/AC	Single port, IEEE 802.3bt Type 4, Gbps, 90W 4-Pairs PoE indoor midspans	PD-9601GC/AC-US: US plug PD-9601GC/AC-EU: EU plug PD-9601GC/AC-UK: UK plug PD-9601GC/AC-AU: AU plug

### For More Information

[www.microsemi.com](http://www.microsemi.com) or <http://www.microchip.com/design-centers/power-over-ethernet>



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