

# PD-9601-10GC Midspan

Single-Port, 10 Gbps, IEEE® 802.3bt 90W, Indoor PoE Midspan



## Summary

The PD-9601-10GC is an IEEE802.3bt compliant single-port solution for remote powering of high-power applications. With an output power of 90W generated over four pairs, the PD-9601-10GC power PoE-compliant devices, such as IEEE 802.11ax access points, Pan-Tilt-Zoom (PTZ) camera, dome cameras, IP videophones, thin clients and other high-power Ethernet end terminals. The PD-9601-10GC is also backward compatible with any IEEE 802.3af/at terminals, such as VoIP phones, IP cameras and wireless LAN access points. It can power both existing 10/100/1000Base-T network devices and new wireless 10 Gbps devices, such as IEEE 802.11ac access points.

## Key Features

- IEEE 802.bt Type 4 compliant
- IEEE 802.3af/at backward compatible
- Legacy PoE support
- Output power of 90W over four pairs
- Supports 10/100/1000 Mbps and 2.5/5/10 Gbps applications
- Plug-and-play installation

## Product Specifications

Features	Description
<b>Number of Ports</b>	1
<b>Data Rate</b>	10/100/1000 Mbps, 2.5/5/10 Gbps
<b>AC Input Power Requirement</b>	AC Input Voltage: 100 Vac to 240 Vac AC Input Current: 1.6A AC Frequency: 50 Hz/60 Hz
<b>Output Power</b>	User Port Power: 90 Watts
<b>Power over Ethernet Output</b>	Data Pairs: 1/2 (-), 3/6 (+) Spare Pairs: 7/8 (-), 4/5 (+) Output Voltage: 54 Vdc (nominal)
<b>Dimensions</b>	L x W x H 162.1 mm x 84.4 mm x 48.6 mm 6.38 inches x 3.32 inches x 1.91 inches
<b>Net Weight</b>	550g
<b>Connectors</b>	Shielded RJ-45, EIA 568A and 568B
<b>Indicators</b>	System Indicator: AC power - yellow Channel Power Indicators: Two-pair - blue Four-pair - green
<b>Environmental Conditions</b>	Operating Ambient Temperature: 32°F to 104°F (0°C to +40°C) @ 90W 32°F to 122°F (0°C to +50°C) @ 60W 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: -1,312 ft to 10,000 ft (-400m to 3,048m)
<b>Hazardous Substances</b>	CE, WEEE
<b>Warranty</b>	1 year
<b>Reliability</b>	MTBF: 150,000 hours at 25°C
<b>Thermal Rating</b>	50 BTU/hour
<b>Regulatory Compliance</b>	IEEE 802.3bt
<b>Electromagnetic Emission and Immunity</b>	FCC Part 15, Class B EN 55032 Class B EN 55035 VCCI
<b>Safety</b>	UL/IEC/EN 62368-1 Contact Microchip for a complete list of certifications.

## Technical Support

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

## Ordering Information

Part Number	Name	Description
<b>PD-9601-10GC/AC-XX</b> PD-9601-10GC/AC-EU European Union Power Cord PD-9601-10GC/AC-JP Japan Power Cord PD-9601-10GC/AC-UK United Kingdom Power Cord PD-9601-10GC/AC-US United States Power Cord	PD-9601-10GC	Single-Port, 10 Gbps, IEEE 802.3bt 90W, Indoor PoE Midspan

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).