

PD-9601GC Midspan

Single-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-compliant 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 10/100/1000 Base-T devices. With the midspan's plug-and-play installation, it is easy and cost effective to leverage existing Ethernet infrastructure while providing the assurance of a future-proof network.

PD-9601GC Features

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

Specifications

Feature	Description
Number of Ports	1
Data Rate	10/100/1000 Mbps
Input Power Requirement	AC Input Voltage: 100 to 240 V _{AC} AC Input Current: 1.35A AC Frequency: 50/60 Hz
Output Power	90W over 4-pairs
Power over Ethernet Output	Data Pairs 1/2 (-), 3/6 (+) Spare Pairs 7/8 (-), 4/5 (+) Output Voltage: 55 V _{DC} Nominal
Dimensions	L x W x H 166.4 mm x 88 mm x 43.9 mm 6.55 in. x 3.46 in. x 1.73 in.
Net Weight	660g
Connectors	Shielded RJ-45, EIA 568A and 568B
Indicators	System Indicator: AC Power - Green Channel Power Indicators: Power delivered over 4 pairs - Green Power delivered over 2 pairs - Yellow
Environmental Conditions	Operating Ambient Temperature: 14°F to 104°F (-10°C to +40°C) Operating Humidity: 90% Maximum, Non-Condensing Storage Temperature: -4°F to +158°F (-20°C to +70°C) Storage Humidity: 95% Maximum, Non-Condensing Operating Altitude: -1000 to 6561.6 ft (-304.8 to 2000m)
Hazardous Substances	CE, WEEE
Warranty	1 year
Extended Warranty Available	No
Reliability	MTBF: 100,000 hrs
Thermal Rating	76 BTU/Hr @100 V _{AC}
Regulatory Compliance	IEEE® 802.3bt Type 4
Electromagnetic Emission and Immunity	FCC Part 15, Class B EN 55032 Class B EN 55024 VCCI
Safety	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 at www.microchip.com/support.

Ordering Information

Part Number	Name	Description
PD-9601GC/AC-xx PD-9601GC/AC-US: US plug PD-9601GC/AC-EU: EU plug PD-9601GC/AC-UK: UK plug PD-9601GC/AC-AU: AU plug	PD-9601GC/AC	Single-port, IEEE® 802.3bt Type 4, Gbps, 90W 4-Pairs PoE indoor midspans

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).