

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 powers 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 802.3bt 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
Number of Ports	1
Data Rate	10/100/1000 Mbps, 2.5/5/10 Gbps
AC Input Power Requirement	AC Input Voltage: 100 VAC to 240 VAC AC Input Current: 1.6A AC Frequency: 50 Hz/60 Hz
Output Power	User Port Power: 90 Watts
Power over Ethernet Output	Data Pairs: 1/2 (-), 3/6 (+) Spare Pairs: 7/8 (-), 4/5 (+) Output Voltage: 54 VDC (nominal)
Dimensions	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
Net Weight	550g
Connectors	Shielded RJ-45, EIA 568A and 568B
Indicators	System Indicator: AC power – yellow Channel Power Indicators: Two-pair – blue Four-pair – green
Environmental Conditions	Operating Ambient Temperature: 32°F to 104°F (0°C to +40°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: -1,312 ft to 10,000 ft (-400m to 3,048m)
Hazardous Substances	CE, WEEE
Warranty	1 year
Extended Warranty Available	No
Reliability	MTBF: 150,000 hours at 25°C
Thermal Rating	50 BTU/hour
Regulatory Compliance	IEEE 802.3bt
Electromagnetic Emission and Immunity	FCC Part 15, Class B EN 55032 Class B EN 55035 VCCI
Safety	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.

Ordering Information

Part Number	Name	Description
PD-9601-10GC/AC-XX 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).