

PD-9501-10GCO/DC Midspan

Single-Port, Outdoor, 60W, 10 Gbps, IEEE® 802.3bt
Type 3-Compliant PoE Midspan



Summary

The PD-9501-10GCO/DC Power over Ethernet (PoE), single-port midspan offers a cost-effective, IEEE 802.3bt Type 3-compliant solution for outdoor installations. It guarantees 60 Watts of power, supports data rates up to 10 Gbps and ensures safe and reliable operation in outdoor environments of any standard PoE data terminal. It allows wireless LAN access points, security network cameras and other IP terminals to receive power and data over standard Ethernet cables, leaving network infrastructure completely unaltered.

The PD-9501-10GCO/DC also offers surge protection for both the DC and the PoE ports, ensuring the indoor equipment is protected from outdoor surges.

Features

- IP66 and IP67 IP rating for outdoor
- Extended temperature range of -40°C to +65°C
- Supports IEEE 802.3bt Type 3 standard PDs
- IEEE 802.3af/at backward compatible
- One part number for worldwide use (DC connector)
- Supports 10/100/1000 Mbps and 2.5/5/10 Gbps data rates
- Plug-and-play installation
- Integrated surge protection

Feature	Description
Number of Ports	1
Data Rate	10/100/1000 Mbps, 2.5/5/10 Gbps
Input Power Requirement	DC Input Voltage: 10.8 to 30V DC Input Current: 8A
Output Power	60W
Power over Ethernet Output	Data Pairs 1/2 (-), 3/6 (+) Spare Pairs 7/8 (-), 4/5 (+) Output Voltage: 54 Vdc Nominal
Dimensions (body, excluding tabs)	L × W × H 185 mm × 161.5 mm × 61 mm 7.28 in. × 6.36 in. × 2.40 in.
Net Weight	2.2 kg (4.85 lb)
Connectors	Shielded Rugged RJ-45 (with Gasket), DC Connector
Indicators	No LED Indicators
Environmental Conditions	Operating Ambient Temperature: -40°F to +149°F (-40°C to +65°C) Operating Humidity: Maximum 90%, Non-Condensing Storage Temperature: -40°F to +185°F (-40°C to +85°C) Storage Humidity: Maximum 95%, Non-Condensing Operating Altitude: Up to 6551 ft. (2000m)
Hazardous Substances	CE, WEEE
Warranty	3 years
Reliability	MTBF: 343,000 Hours @ 25°C
Thermal Rating	35 BTU/Hr
Regulatory Compliance	IEEE® 802.3bt Type 3
Electromagnetic Emission and Immunity	FCC Part 15, Class B EN 55032 Class B EN55035 VCCI
Safety	UL/IEC/EN 62368-1 UL60950-22 Please contact Microchip for a complete list of certifications.
Surge Protection	ITU-T K.21 (6 kV Enhanced Surge): Port and DC input EN61000-4-5 (6 kV): Port and DC input GR-1089-CORE Issue 6 - Port Only
Other Standards and Approvals	Dust and Water Intrusion: EN60529 Weather Ratings: IP66, IP67, NEMA 250 Level 4X

Technical Support

For technical support, please visit the Microchip Technical Support Portal at www.microchip.com/support.

Ordering Information

Part Number	Name	Description
PD-9501-10GCO/DC	PD-9501-10GCO	Single-port, outdoor IP67 PoE midspan, 60W, up to 5 Gbps, IEEE® 802.3bt Type 3 compliant, extended temperature range, worldwide use
PD-OUT/MBK/GCO	Outdoor MBK	Mounting bracket for GCO family

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).