PD-9001-10GCO/AC Midspan

Single-Port, IP67-Rated, IEEE® 802.3at-Compliant 30W 10 Gbps, Outdoor PoE Midspan



Summary

Microchip's PD-9001-10GCO/AC Power over Ethernet (PoE) single-port midspan offers a cost effective, IEEE 802.3at-compliant solution for outdoor installations. It guarantees 30 Watts of power and ensures the 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-9001-10GCO/AC also offers surge protection for both the AC and the PoE ports, protecting the indoor equipment from outdoor surges. It is also weather rated with dust and water intrusion protection.

Features

- Outdoor rated: IP67
- Extended temperature range of −40°C to +65°C
- Fully IEEE 802.3at standard compliant
- IEEE 802.3af backward compatible
- One part number for worldwide use (AC connector)
- Supports 10/100/1000 Mbps, 2.5/5/10 Gbps
- 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	AC Input Voltage: 100 to 240 VAC AC Input Current: 0.4A AC Frequency: 50/60 Hz
Output Power	30W
PoE Output	Spare Pairs 7/8 (-), 4/5 (+) Output Voltage: 54 VDC Nominal
Dimensions	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), AC Connector
Indicators	No LED Indicators
Environmental Conditions	Operating Ambient Temperature: −40ºF to +149ºF (−40ºC to +65ºC) Operating Humidity: Maximum 90%, Non-Condensing Storage Temperature: −40ºF to +185ºF (−40ºC to +85ºC) Storage Humidity: Maximum 95%, Non-Condensing Operating Altitude: Up to 6551 ft. (2000m)
Hazardous Substances	CE, WEEE
Warranty	3 years
Reliability	185,000 hrs. @ 25ºC
Thermal Rating	25 BTU/Hr
Regulatory Compliance	IEEE® 802.3at (PoE)
Electromagnetic Emission and Immunity	FCC Part 15, Class B EN 55032 Class B EN 55035 VCCI
Safety	UL/IEC/EN 62368-1, UL 60950-22 Please contact Microchip for a complete list of certifications.
Surge Protection	ITU-T K.21 (6kV enhanced surge) -Port and AC Main EN61000-4-5 (6 kV) - Port and AC Main GR-1089-CORE Issue 6 - Port Only
Other Standards and Approvals	Dust and Water Intrusion: EN60529 Weather Ratings: IP67, NEMA 250 Level 4X

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Technical Support

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

Ordering Information

Part Number	Name	Description
PD-9001-10GCO/AC	PD-9001-10GCO	Single-Port, IP67-Rated, IEEE® 802.3at-Compliant 30W 10 Gbps Outdoor PoE Midspan

Contact Microchip for other options

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