PD-9601GO

Single-Port, 90W, Outdoor PoH Midspan



Summary

The PD-9601GO is a 90W single-port Midspan offering a cost effective, PoH-compliant solution for outdoor installations, guaranteeing 90 Watts of power and ensuring safe and reliable operation in outdoor environments of any standard PoH 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-9601GO also offers surge protection for both the AC and the PoE ports, ensuring the indoor equipment is protected from outdoor surges.

Key Features

- Up to 90W of power over 4-pair
- Outdoor rated: IP66
- Extended temperature range -40°C to +65°C
- Supports 10/100/1000 Mbps data rates
- Supports IEEE® 802.3af/at-Powered Devices
- Internal surge protection

Specifications

Feature	Description
Number of Ports	1
Data Rate	10/100/1000 Mbps
Input Power Requirement	AC Input Voltage: 100 to 240 VAC AC Input Current: 2.5A 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: 54 VDC Nominal
Dimensions	L × W × H 217 mm × 187.7 mm × 71.8 mm 8.54 in. × 7.39 in. × 2.82 in.
Weight	2.44 kg
Connectors	Shielded Rugged RJ-45 (with Gasket)
Indicators	No LED Indicators
Environmental Conditions	Operating Ambient Temperature: -40ºF to 149ºF (−40ºC to +65ºC) Operating Humidity: 90% Maximum Non-Condensing Storage Temperature: −4ºF to +158ºF (−20ºC to +70ºC) Storage Humidity: 95% Maximum, Non-Condensing Operating Altitude: −1000 to 6561.6 ft (−304.8 to 2000m)
Hazardous Substances	CE, WEEE
Warranty	3 Years
Reliability	MTBF: 189,000 hrs.
Thermal Rating	76 BTU/Hr
Regulatory Compliance	IEEE® 802.3af (PoE, PoH Type 1) IEEE 802.3at (PoE+ including 2-event, PoH Type 2)
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	GR-1089-CORE Issue 6 ITU-T K.20 6 kV on AC lines
Other Standards and Approvals	Dust and Water Intrusion: EN60529, Weather Ratings: IP66, NEMA 250 Level 4X Corrosion Resistance: ASTM B-117

Technical Support

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

Ordering Information

Part Number	Name	Description
PD-9601GO/AC	PD-9601GO	Single-Port, Outdoor PoH Midspan

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