

# PD-9001GO-ET Midspan

Single-port, Outdoor IP67 PoE Midspan, IEEE 802.3at-compliant, Extended Temperature Range



Microsemi's PD-9001GO-ET Power over Ethernet (PoE) single-port midspan offers a cost-effective, IEEE 802.3at-compliant solution for outdoor installations, guaranteeing 30 W of power and ensuring safe and reliable operation of any standard PoE data terminal in outdoor environments. 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-9001GO-ET also offers surge protection for both the AC and the PoE ports, ensuring the indoor equipment is protected from outdoor surges.

## PD-9001GO-ET Features

- Outdoor rated: IP67
- Extended temperature range –40 °C to 65 °C
- One part number for worldwide use (AC connector)
- IEEE 802.3at standard-compliant—30 W
- Supports 10/100/1000 Mbps data rates
- Plug and play installation (installer does not have to open unit)
- Supports both IEEE 802.3af and IEEE 802.3at powered devices
- Includes integrated surge protection

## Specifications

Feature	Description
Number of ports	1
Data rates	10/100/1000 Mbps
Power over Ethernet output	Pin assignment and polarity: Spare pairs 7/8 (-) and 4/5 (+) Output power voltage: 54 VDC User port power: 30 W guaranteed
Input power requirements	AC input voltage: 100 VAC to 240 VAC AC input current: 1 A at 100 VAC–240 VAC AC frequency: 50 Hz to 60 Hz
Dimensions	Metal enclosure 170 mm × 140 mm × 60 mm 6.69 in × 5.51 in × 2.36 in
Weight	1.4 kg
Indicators	No LED indicators
Connectors	Shielded rugged RJ-45 (with gasket) AC connector
Environmental conditions	Operating ambient temperature: –40 °F to 149 °F (–40 °C to 65 °C)
	Operating humidity: maximum 95%, non-condensing
	Storage temperature: –40 °F to 185 °F (–40 °C to 85 °C)
	Storage humidity: maximum 95%, non-condensing
	Operating altitude: up to 6,560 ft (2000 m) Weather rating: IP67, NEMA 4X
Reliability	MTBF: 200,000 hours at 25 °C
Thermal rating	25 Btu/h (at 240 VAC)
Warranty	5 years
Regulatory compliance	IEEE 802.3at (PoE), RoHS-compliant, WEEE-compliant, CE
Electromagnetic emission and immunity	FCC Part 15, Class B EN 55022 Class B (Emissions) EN 55024, EN61000-4-5 Class 5 (6 kV CM/DM) VCCI
Surge protection	Designed to meet GR-1089-CORE Issue 4 ITU-T K.21 6 kV on data and AC lines
Safety	UL/IEC/EN 60950-1 UL60950-22
Other standards and approvals	Dustproof and water resistance: EN60529, Approvals Level IP67; NEMA 250, Level 4X ASTM B-117 corrosion resistance

# PD-9001GO-ET Midspan

Single-port, Outdoor IP67 PoE Midspan, IEEE 802.3at-compliant, Extended Temperature Range

## Ordering Information

Microsemi Part Number	Name	Description
PD-9001GO-ET/AC	Microsemi PD-9001GO-ET	Single-port, outdoor PoE midspan, IEEE 802.3at-compliant, extended temperature range, worldwide use
PD-OUT/MBK/ET	Microsemi Outdoor MBK	Mounting brackets for ET outdoor unit



**Microsemi Corporate Headquarters**  
One Enterprise, Aliso Viejo, CA 92656 USA  
Within the USA: +1 (800) 713-4113  
Outside the USA: +1 (949) 380-6100  
Fax: +1 (949) 215-4996  
Email: [sales.support@microsemi.com](mailto:sales.support@microsemi.com)  
[www.microsemi.com](http://www.microsemi.com)

©2017 Microsemi Corporation. All rights reserved. Microsemi and the Microsemi logo are registered trademarks of Microsemi Corporation. All other trademarks and service marks are the property of their respective owners.

Microsemi Corporation (Nasdaq: MSCC) offers a comprehensive portfolio of semiconductor and system solutions for aerospace & defense, communications, data center and industrial markets. Products include high-performance and radiation-hardened analog mixed-signal integrated circuits, FPGAs, SoCs and ASICs; power management products; timing and synchronization devices and precise time solutions, setting the world's standard for time; voice processing devices; RF solutions; discrete components; enterprise storage and communication solutions, security technologies and scalable anti-tamper products; Ethernet solutions; Power-over-Ethernet ICs and midspans; as well as custom design capabilities and services. Microsemi is headquartered in Aliso Viejo, California and has approximately 4,800 employees globally. Learn more at [www.microsemi.com](http://www.microsemi.com).

Microsemi makes no warranty, representation, or guarantee regarding the information contained herein or the suitability of its products and services for any particular purpose, nor does Microsemi assume any liability whatsoever arising out of the application or use of any product or circuit. The products sold hereunder and any other products sold by Microsemi have been subject to limited testing and should not be used in conjunction with mission-critical equipment or applications. Any performance specifications are believed to be reliable but are not verified, and Buyer must conduct and complete all performance and other testing of the products, alone and together with, or installed in, any end-products. Buyer shall not rely on any data and performance specifications or parameters provided by Microsemi. It is the Buyer's responsibility to independently determine suitability of any products and to test and verify the same. The information provided by Microsemi hereunder is provided "as is, where is" and with all faults, and the entire risk associated with such information is entirely with the Buyer. Microsemi does not grant, explicitly or implicitly, to any party any patent rights, licenses, or any other IP rights, whether with regard to such information itself or anything described by such information. Information provided in this document is proprietary to Microsemi, and Microsemi reserves the right to make any changes to the information in this document or to any products and services at any time without notice.