

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

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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



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