

PD-9001GO-ET Midspan

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



Summary

Microchip'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.

Features

- Outdoor rated: IP67
- Extended temperature range -40°C to $+65^{\circ}\text{C}$
- IEEE 802.3at standard-compliant—30 W
- Supports 10/100/1000 Mbps data rates
- Plug and play installation
- Supports both IEEE 802.3af and IEEE 802.3at powered devices
- Includes integrated 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: 1.0A AC Frequency: 50/60 Hz
Output Power	30W
Power over Ethernet Output	Data Pairs 1/2 (-), 3/6 (+) Spare Pairs 7/8 (-), 4/5 (+) Output Voltage: 54 Vdc nominal
Dimensions	L x W x H 170 mm x 140 mm x 60 mm 6.69 in. x 5.51 in. x 2.36 in. Metal Enclosure
Net Weight	1.56 kg
Connectors	Shielded rugged RJ-45 (with gasket), AC connector
Indicators	No LED Indicators
Environmental Conditions	Operating Ambient Temperature: -40°F to $+149^{\circ}\text{F}$ (-40°C to $+65^{\circ}\text{C}$) Operating Humidity: Maximum 90%, Non-condensing Storage Temperature: -40°F to $+185^{\circ}\text{F}$ (-40°C to $+85^{\circ}\text{C}$) Storage Humidity: Maximum 95%, Non-Condensing Operating Altitude: Up to 6,560 ft. (2000m)
Hazardous Substances	CE, WEEE
Warranty	3 Years
Extended Warranty Available	Contact Microchip
Reliability	MTBF: 200,000 hrs. @ 25°C
Thermal Rating	25 BTU/Hr
Regulatory Compliance	IEEE 802.3af/at
Electromagnetic Emission and Immunity	FCC Part 15, Class B EN 55032 Class B EN 55024, EN61000-4-5 Class 5 VCCI
Safety	UL/IEC/EN 62368-1 Please consult Microchip for a complete list of certifications
Surge Protection	GR-1089-CORE Issue 4 ITU-T K.21 enhanced surge level protection (6 kV on Data and AC lines)
Other Standards and Approvals	Dust and water intrusion: EN60529, Weather Ratings: IP67, NEMA 250 Level 4X Corrosion Resistance: ASTM B-117

Technical Support

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

Ordering Information

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