

PD-9501GO-ET Midspan

Single-port, Outdoor IP67 60 W PoE Midspan, IEEE 802.3at-compliant, Extended Temperature Range



Microsemi's PD-9501GO-ET Power over Ethernet (PoE) single-port midspan offers a cost-effective, IEEE 802.3at-compliant solution for outdoor installations, guaranteeing 60 W of power and ensuring safe and reliable operation of any standard PoE data terminal in an outdoor environment. It allows wireless LAN access points, security network cameras, and other IP terminals to receive both power and data over standard Ethernet cables while leaving the network infrastructure completely unaltered.

The PD-9501GO-ET also offers surge protection for both the AC and PoE ports, ensuring the indoor equipment is protected from outdoor surges.

PD-9501GO-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—60 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: 4/5 (+), 7/8 (-), 1/2 (-), 3/6 (+) Output power voltage: 54 VDC User port power: 60 W guaranteed |
| Input power requirements | AC input voltage: 100 VAC to 240 VAC (±10%) AC input current: 2 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 | 35 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 55032 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 enhanced surge level protection (6 kV on data and AC lines) |
| Safety | UL/IEC/EN 60950-1 (Ed. 2) 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-9501GO-ET/AC | Microsemi 9501GO-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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