

# PD-9501-10G Midspan

## Single Port, 10GbE, 60W PoE Indoor Midspan

### Overview

The Microsemi PD-9501-10G is a single port, high-power solution for remote powering of current and emerging high power indoor applications. Generating 60W over 4 pair, the PD-9501-10G enables remote power for a new range of applications including 802.11ac Access Points, pan-tilt zoom (PTZ) cameras and videophones.

PD-9501-10G complies with IEEE 802.3at PoE standard and is backward compatible to IEEE802.3af. It can power both existing 10/100/1000Base-T network devices and emerging wireless 10GbE devices such as wireless IEEE 802.11ac access points.

### Key Features

- IEEE 802.3at compliant
  - IEEE 802.3af backward compatible
  - Guaranteed output power - 60W
  - Supports 10/100/1000Base-T & 10GbE
  - Safe: low power devices receive only the power they need
  - Automatic Detection and Protection of non-standard Ethernet terminals
- Compact design fits easily in WLAN Access Point and IP Cameras installation



### Specifications

| Feature                             | Description                                                                                                                                                                                                                 |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No. of Ports                        | 1                                                                                                                                                                                                                           |
| Data Rates                          | 10/100/1000 Mbps & 10GbE                                                                                                                                                                                                    |
| Power over Ethernet Output          | Pin Assignment and Polarity:<br>Data Pairs 1/2 (-), 3/6 (+)<br>Spare Pairs 7/8 (-), 4/5 (+)<br>Output Power Voltage: 54Vdc                                                                                                  |
| User Port Power                     | 60 Watts (Guaranteed)                                                                                                                                                                                                       |
| Input Power Requirements            | AC Input Voltage: 100 to 240Vac<br>AC Input Current: 0.7A @ 100Vac<br>AC Frequency: 50 to 60Hz                                                                                                                              |
| Dimensions                          | 88mm (W) x 43 mm (H) x 166 mm (L)                                                                                                                                                                                           |
| Weight                              | 0.91 lbs (410 g)                                                                                                                                                                                                            |
| Connectors                          | Shielded RJ-45, EIA 568A and 568B                                                                                                                                                                                           |
| Environmental Conditions            | Operating Ambient Temperature:<br>32° to 104°F (0 to 40°C)<br>Operating Humidity:<br>Maximum 95%, Non-condensing<br>Storage Temperature:<br>-4° to 158°F (-20° to 70°C)<br>Storage Humidity:<br>Maximum 95%, Non-condensing |
| Reliability                         | MTBF: 350,000 hrs. @ 25°C                                                                                                                                                                                                   |
| Warranty                            | 1-year                                                                                                                                                                                                                      |
| Regulatory Compliance               | RoHS Compliant, WEEE Compliant, CE<br>IEEE 802.3at (PoE)                                                                                                                                                                    |
| Electromagnetic Emission & Immunity | FCC Part 15, Class B<br>EN 55032 Class B (Emissions)<br>EN 55024 (Immunity)<br>VCCI                                                                                                                                         |
| Safety                              | UL/IEC/EN 60950-1 (ed.2)                                                                                                                                                                                                    |

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#### Ordering Information

| Microsemi P/N  | Name               | Description                           |
|----------------|--------------------|---------------------------------------|
| PD-9501-10G/AC | Microsemi 9501-10G | 1-Port 10GbE, 60W 4-Pairs PoE Midspan |

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