

# PD-9001GR/SP Midspan

## Single Port, High Power Gigabit Midspan, 802.3at Compliant with Surge Protection

### Key Features

- IEEE 802.3at compliant with 2-event classification
- IEEE 802.3af backward compatible
- Output power of 30 W is guaranteed
- Supports 10/100/1000 Base-T applications
- Compatible with IEEE 802.3af devices and pre-standard devices
- 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 installations

### Overview

Microsemi's PD-9001GR/SP is a single port, high-power solution for remote powering of current and emerging high power applications. The PD-9501GR/SP provides Surge Protection functionality optimal for the installation of outdoor PDs. Generating up to 30 W, the PD-9001GR/SP enables remote power for a new range of applications including 802.11n access points, pan-tilt-zoom (PTZ) cameras, and video-phones. It complies to IEEE 802.3at PoE standard and is backward compatible to IEEE 802.3af. It can power both existing 10/100 Base-T network devices and emerging wireless 1000 Base-T devices such as WiMAX and wireless IEEE 802.11n access points.

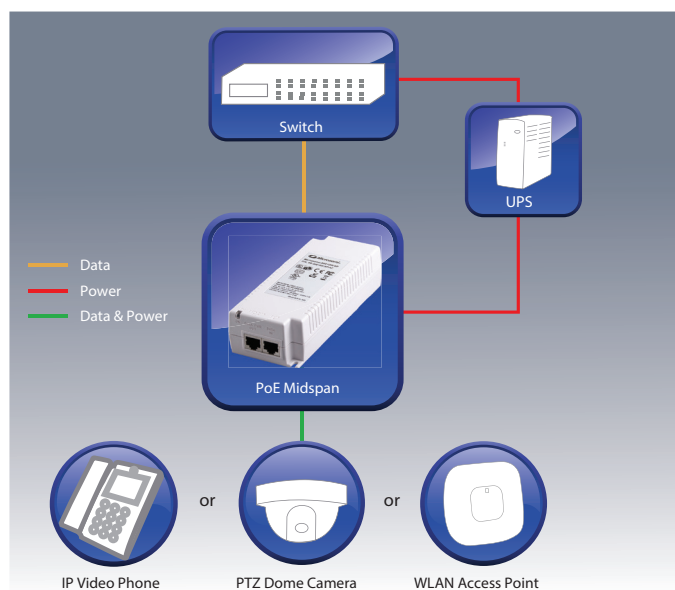


Figure 1: PD-9001GR/SP

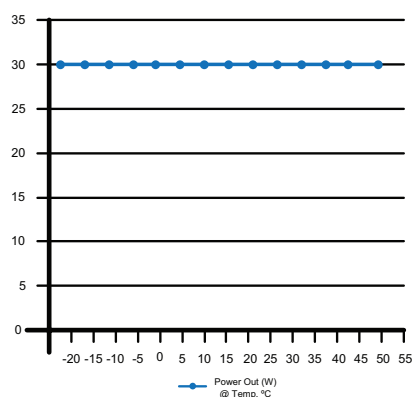
### Specifications

| Feature                             | Description  |
|-------------------------------------|--|
| No. of Ports                        | 1  |
| Data Rates                          | 10/100/1000 Mbps   |
| Power over Ethernet Output          | Pin Assignment and Polarity: 4/5 (+), 7/8 (-)<br>Output Power Voltage: 55 Vdc  |
| User Port Power                     | 30 Watts (Guaranteed)  |
| Input Power Requirements            | AC Input Voltage: 100 to 240 Vac<br>AC Input Current: 0.8 A @ 100-240 Vac<br>AC Frequency: 50 to 60 Hz   |
| Dimensions                          | 62 mm (W) x 38 mm (H) x 151 mm (L)<br>2.44 in. x 1.5 in. x 5.94 in   |
| Weight                              | 0.75 lbs (340 g)   |
| Indicators                          | AC Power (Yellow)  |
|                                     | Channel Power (Green)  |
| Connectors                          | Shielded RJ-45, EIA 568 A and 568 B  |
| Environmental Conditions            | Operating Ambient Temperature:<br>-4° to 104° F (-10 to 50° C) @ 30 W  |
|                                     | Operating Humidity:<br>Maximum 90%, Non-condensing   |
|                                     | Storage Temperature:<br>-4° to 158° F (-20° to 70° C)  |
|                                     | Storage Humidity:<br>Maximum 95%, Non-condensing   |
| Reliability                         | MTBF: 240,000 hrs. @ 25° C   |
| Thermal Rating                      | 25 BTU/Hr (@ 240 VAC)  |
| Warranty                            | 1-year   |
| Regulatory Compliance               | IEEE 802.3at (PoE), RoHS Compliant, WEEE Compliant, CE   |
| Electromagnetic Emission & Immunity | FCC Part 15, Class B<br>EN 55022 Class B (Emissions)<br>EN 55024 (Immunity), VCCI  |
| Surge Protection                    | Surge Protection:<br>EN 61000-4-5 (10/700 µsec, 4 KV)<br>Meets Surge Protection as specified in:<br>IEC-61643-21<br>GR-1089-CORE lightning protection demands<br>ITU-T K.45 International standard |
| Safety Approvals                    | UL/cUL Per IEC 60950-1<br>GS Mark Per IEC 60950-1  |

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### PD-9001 GR/SP Performance



### Ordering Information

| Part Number     | Name                      | Description   |
|-----------------|---------------------------|---|
| PD-9001GR/SP/AC | Microsemi PD-9001GR/SP/AC | 1-port IEEE 802.3at Gigabit Midspan with Surge Protection |

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- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
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- Изготовление тестовой платы монтаж и пусконаладочные работы.



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