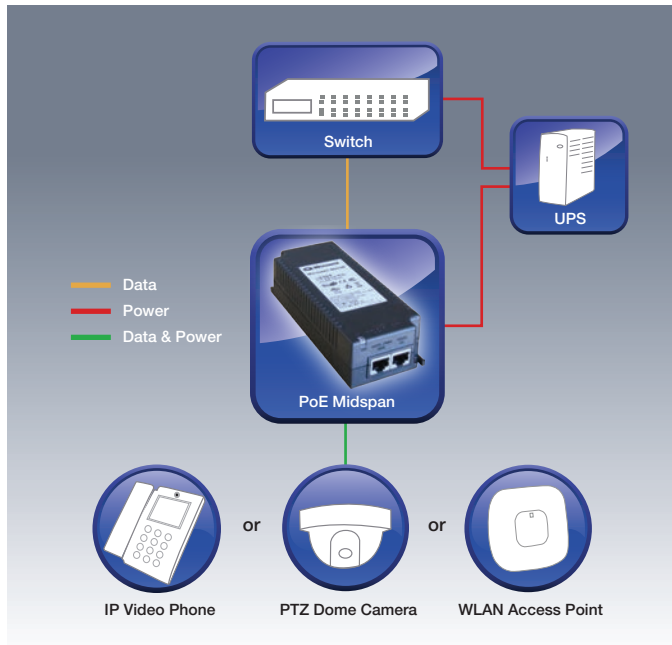


# PD-9501GR Midspan

Single-port, 60W Gigabit Midspan, 4-Pairs, 802.3at Compliant



## Overview

Microsemi's PD-9501GR is a single port solution for remote powering of current as well as emerging high power applications. The PD-9501GR is designed specifically to power IEEE 802.11n and IEEE 802.3at access points, pan-tilt-zoom (PTZ) and dome cameras, IP videophones, thin clients and other high power Ethernet end terminals with 60W of power, and is also backward compatible and safe to use with any IEEE 802.3af terminal such as VoIP phones, IP cameras and wireless LAN access points. It can power both existing 10/100Base-T devices and emerging wireless Gigabit devices such as Wi-MAX and wireless IEEE 802.11n access points. The PD-9501GR provides power on all 4-pairs while being backwards compatible to 802.3af and 802.3at powered devices.

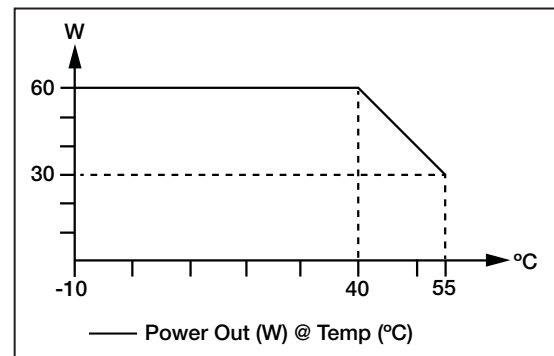
## PD-9501GR Features

- IEEE 802.3at compliant with 2-event classification
- IEEE 802.3af backward compatible
- Output power of 60W over 4-pairs is guaranteed
- Supports 10/100/1000Base-T applications
- Plug-and-play installation
- 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 camera installations

## PD-9501GR Specifications

|                                     |                                                                                                                                                                                                                                                                                       |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No. of Ports                        | 1                                                                                                                                                                                                                                                                                     |
| Pass Through Data Rates             | 10/100/1000 Mbps                                                                                                                                                                                                                                                                      |
| Power over Ethernet Output          | Pin Assignment and Polarity:<br>Data Pairs 1/2 (-) and 3/6 (+)<br>Spare Pairs 7/8 (-) and 4/5 (+)<br>Output Power Voltage: 55 VDC<br>User Port Power: 60W over 4-pairs (Guaranteed)                                                                                                   |
| Input Power Requirements            | AC Input Voltage: 100 to 240 VAC<br>AC Input Current: 1.5A @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                              | Bare unit: .71 lbs (320g)                                                                                                                                                                                                                                                             |
| Indicators                          | AC Power: Yellow<br>Channel Power Indicator: Green                                                                                                                                                                                                                                    |
| Connectors                          | Shielded RJ-45, EIA 568A and 568B                                                                                                                                                                                                                                                     |
| Environmental Conditions            | Operating Ambient Temperature:<br>14° to 113°F (-10°C to 45°C) @60W<br>14° to 131°F (-10°C to 55°C) @30W<br><br>Operating Humidity:<br>Maximum 90%, Non-condensing<br><br>Storage Temperature:<br>-4° to 158°F (-20° to 70°C)<br><br>Storage Humidity:<br>Maximum 95%, Non-condensing |
| Reliability                         | MTBF: 240,000 hrs. @25°C                                                                                                                                                                                                                                                              |
| Thermal Rating                      | 30 BTU/Hr (@100Vac)                                                                                                                                                                                                                                                                   |
| Warranty                            | 1-year                                                                                                                                                                                                                                                                                |
| Regulatory                          | IEEE 802.3at (PoE), RoHS Compliant,<br>WEEE Compliant, CE                                                                                                                                                                                                                             |
| Electromagnetic Emission & Immunity | FCC Part 15, Class B<br>EN 55022 Class B (Emissions)<br>EN 55024 (Immunity), VCCI                                                                                                                                                                                                     |
| Safety Approvals                    | UL/cUL Per EN 60950-1<br>GS Mark Per EN 60950-1                                                                                                                                                                                                                                       |

## Performance Data



## Ordering Information

| Part Number | Name                | Description                                      |
|-------------|---------------------|--------------------------------------------------|
| PD-9501GR   | Microsemi PD-9501GR | 1-port, IEEE 802.3at<br>4-Pairs, Gigabit Midspan |



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MSC-PD-9501GR 5.14

# MOBOTIX Product Ordering Details

MOBOTIX Product: UPoE Network Power Injector

MOBOTIX Order Code: Mx-NPA-UPOE1A-60W

# MOBOTIX

BeyondHumanVision

[EN\\_12/21](#)

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