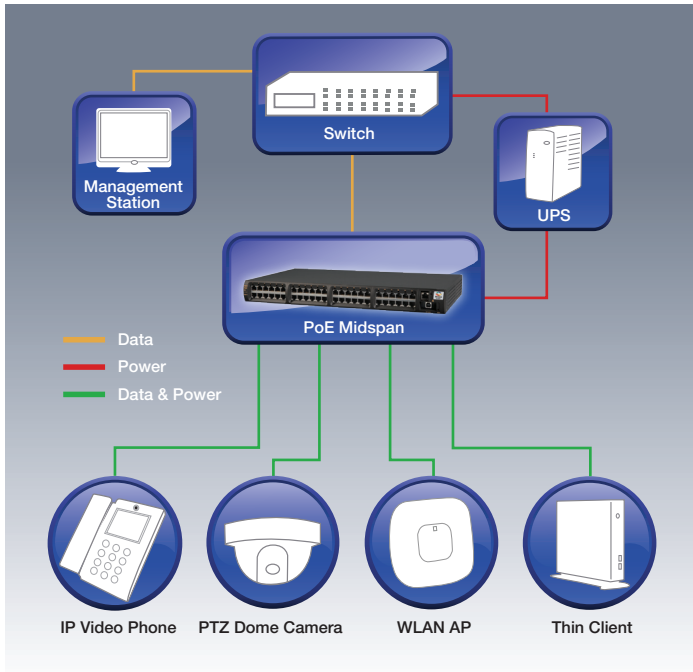


# PD-9000G Family

IEEE802.3at Compliant 36W/Port Midspan Family



## Overview

Microsemi's PD-9000G Family 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. The family includes 6, 12 and 24 port models, which are backward compatible and safe to use with any 802.3af terminal such as VoIP phones, IP cameras and wireless LAN access points.

With plug-and-play installation, Microsemi midspans are easily and cost effectively implemented leveraging an existing Ethernet infrastructure while at the same time providing the assurance of a future proof network.

For secure remote management, all PD-9000G models include PowerView Pro management software.

## PD-9000G Features

- High Power over 2-pairs -- 36W per port
- Power redundancy:
  - Mutual midspan-to-midspan backup
  - DC backup via external PowerDsine RPS products
- PowerView Pro secure, remote SNMPv3 and Cloud-based management
- Safe & reliable power over existing Ethernet infrastructure
- Cisco and legacy PoE support (dongles required)
- Plug-and-play installation
- Guaranteed power uptime

## PD-9000G Specifications

|                                     |   |
|-------------------------------------|---|
| No. of Ports                        | 6/12/24   |
| Pass Through Data Rates             | 10/100/1000 Mbps  |
| Power over Ethernet Output          | Pin Assignment and Polarity:<br>4/5 (+), 7/8 (-)<br><br>Output Power Voltage: 55Vdc<br>User Port Power: 36W Typ.<br>Aggregate Power: 450W, 1000W  |
| Input Power Requirements            | AC Input Voltage: 100 to 240 Vac<br>DC Input:<br><br>ACDC units:RPS or another 9000 midspan<br>DC units: 46V - 57V<br><br>AC Input Current:<br>450W Units: 5.5A @ 110 Vac; 2.75A @ 220 Vac<br>1000W Units: 12A @ 110 Vac; 6A@220 Vac<br><br>AC Frequency: 50 to 60 Hz                                     |
| Dimensions                          | 438 mm x 272 mm x 44 mm<br>17.3 in. x 10.8 in. x 1.75 in or 1U  |
| Weight                              | 14.3 lbs (6.5 kg)   |
| Management                          | PowerView Pro included  |
| Indicators                          | System Indicator:<br>AC Power (Green)<br><br>User Indicator:<br>Channle Power (Green)   |
| Connectors                          | PoE ports and management port:<br>Shielded RJ-45, EIA 568A and 568B<br>Console Port: USB Connector Type B<br>DC Connector: DC Block Terminal<br>RPS Com Connector: HD-D-sub-15  |
| Environmental Conditions            | Operating Ambient Temperature:<br>32° to 104°F (0 to 40°C)<br><br>Operating Humidity:<br>10% to 90%, Non-condensing<br><br>Storage Temperature:<br>-4° to 158°F (-20° to 70°C)<br><br>Storage Humidity:<br>5% to 95%, Non-condensing<br><br>Operating Altitude:<br>-1000 to 10,000 ft. (-304.8 to 3048 m) |
| Thermal Rating                      | 365/810 BTU/Hr  |
| Regulatory                          | IEEE 802.3af (PoE, PoH Type 1),   |
| Compliance                          | IEEE 802.3at (PoE+ including 2-event, PoH Type 2), RoHS Compliant, VCCI, CE, C-Tick   |
| 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   |

## Ordering Information

| Part Number       | Name               | Ports   | Total Watts |
|-------------------|--------------------|---------|-------------|
| PD-9006G/ACDC/M   | Microsemi PD-9006G | 6-port  | 450W        |
| PD-9012G/ACDC/M   | Microsemi PD-9012G | 12-port | 450W        |
| PD-9024G/ACDC/M/F | Microsemi PD-9024G | 24-port | 1000W       |



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