

### 4+1 Outdoor Switch, 60 W per port, Managed PoE, AC Input

### **Key Features**

- 5 ports 1 SFP data input, 4 PoE outputs
- Remotely managed SNMP and web
- Extends network reach by additional 100 m
- Outdoor rated: IP66
- Extended temperature range -40°C, +50°C

- IEEE802.3at compliant, 60 W per port
- Supports 10/100/1000 Mbps data rates
- Includes integral surge protection
- Plug 'n Play installation (installer does not have to open unit)

#### Overview

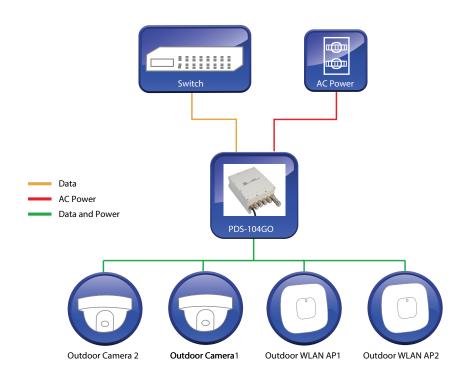
The PDS-104GO is an outdoor PoE switch. It enables the connection of 4 powered devices to the network such as an outdoor WLAN, outdoor IP Camera and outdoor P2P radio.

The switch offers SFP port for uplink in order to support Optical interface or electrical interface. The switch is IP66 rated and can be installed in outdoor environments. There is no need to open the unit during installation. Deployment is simple and straight forward.

The PDS-104GO delivers PoE power up to 60 W per device. In addition, it enables remote monitoring and control of the devices' status, including remote reset.

The 104GO extends the reach between the switch and powered devices by an additional 100 m, to a maximum of 200 m, a major benefit in many applications.

The PDS-104GO offers lightning protection to the switch itself and to the indoor network.



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## Specifications

| Feature                               | Description  |  |
|---------------------------------------|--|--|
| No. of Ports                          | 5  |  |
| Data Rates                            | 10/100/1000 Mbps (half/full duplex)  |  |
| Power over Ethernet Output            | Pin Assignment and Polarity: Ports 1 and 2: 1/2, 3/6, 4/5 and 7/8 Ports 3 and 4: 1/2 and 3/6 |  |
| User Port Power                       | 60 W per port, 150 W total   |  |
| Input Power Requirements              | Input Voltage: 100 - 240 VAC<br>Input Current: 2.5 A   |  |
| Dimensions                            | 240 mm x 166 mm X 72 mm<br>(8.42 inches x 5.90 inches x 2.75 inches)                         |  |
| Weight                                | 2.9 Kg   |  |
| Indicators                            | No LED indicators  |  |
| Connectors                            | Shielded RJ-45, EIA 568A and 568B  |  |
|                                       | SFP Cage   |  |
| Environmental Conditions              | Operating Ambient Temperature: -40°F to 122°F (-40°C to 50°C) for 150 W                      |  |
|                                       | Operating Humidity: Maximum 90%, 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 feet (2000 m)  |  |
|                                       | Weather Rating: IP66, NEMA 4X  |  |
| Reliability                           | MTBF: 200,000 hours @25°C  |  |
| Thermal Rating                        | 41 BTU/Hr (@240 VAC)   |  |
| Warranty                              | 1 year   |  |
| Regulatory Compliance                 | IEEE 802.3at (PoE), RoHS Compliant, WEEE Compliant, CE                                       |  |
| Electromagnetic Emission and Immunity | FCC Part 15, Class B<br>EN 55022 Class B<br>EN 55024, EN61000-4-5 Class 5 (6 kV CM)<br>VCCI  |  |
| Surge Protection                      | Meets Surge Protection as specified in GR-1089-CORE Issue 4 ITU-T K.20 6 kV on AC lines      |  |
| Safety Approvals                      | UL60950-1 and UL60950-22<br>GS Mark  |  |
| Other Standards and Approvals         | Dust and water intrusion: IEC60529, Level IP66; NEMA 250                                     |  |



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## Ordering Information

| Part Number         | Name                | Description                        |
|---------------------|---------------------|------------------------------------|
| PDS-104GO/AC        | Microsemi 104GO     | 4+1 PoE Outdoor Switch             |
| Microsemi OUT/MBK/S | Microsemi OUT/MBK/G | Mounting brackets for outdoor unit |

## **Management Capabilities**

| Feature                                | Description  |
|--|--|
| System Network Management Capabilities | Web Interface – used to view unit PoE and Network status, unit configuration and view unit production information.   |
|  | SNMP v2/v3 – Monitor unit over the network (MIB-II RFC1213), monitor/configure unit PoE capabilities (RFC3621).  |
|  | Telnet – used to view unit PoE and Network status, unit configuration and production information. Software update, Enable/Disable PoE functionality, ping remote Network device for connectivity test. |
|  | SNMP Traps – used to report various PoE events as PoE PD insertion/removal.  |
|  | SysLog – used to report PoE events, Invalid remote user access, initial DHCPv4/v6 address, and so on.  |
|  | 10 M/100 M/1000 Mbit Half Duplex/Full Duplex Ethernet speed.   |
| Ethernet Switch Network Capabilities   | 8 K internal MAC address lookup engine.  |
|  | Auto MDIX  |
|  | Jumbo frames   |
|  | IEEE 802.3at - delivers up to 60 W per port - view and statues.  |
| PoE Capabilities                       | PoE Enable/Disable – Enable/Disable PoE ports Power output (Ethernet data is always enabled).  |
|  | Weekly chedule - Automatic activation/deactivation of PoE ports based on time of day.  |
|  | Remote device reset – Turning temporary device power off and back on resets attached PD device.  |
| Configuration Options                  | Web based: Via a WEB browser   |
|  | SNMPv1/2c/3: Via an SNMP management application on a remote computer   |
|  | Telnet: Via a Telnet application on a remote computer  |
| Security and User Authentication       | Web, Telnet, SNMPv2 and SNMPv3   |



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#### 4+1 PoE Outdoor Switch





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