PDS-104GO
4+1 Outdoor Switch, 60W 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 100m
- Outdoor rated: IP66
- Extended temperature range -40ºC, +50ºC
- IEEE802.3at compliant, 60W per port
- Supports 10/100/1000Mbps 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 60W 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 meters, a major benefit in many applications.

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

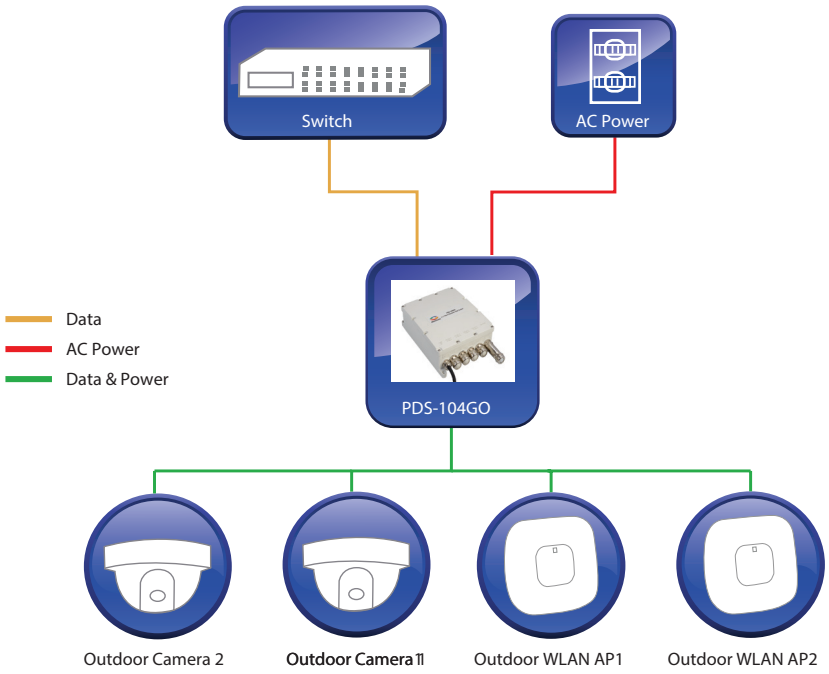

Figure 1: PDS-104GO

PDS-104GO
4+1 Outdoor Switch, 60W per port, Managed PoE, AC Input

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 & 2: 1/2, 3/6, 4/5 and 7/8 Ports 3 & 4: 1/2 and 3/6
User Port Power	60 W per port, 150 W total
Input Power Requirements	Input Voltage: 100 - 240 VAC Input Current: 2.5A
Dimensions	240 mm x 166 mm X 72 mm 8.42 in. x 5.90 in. x 2.75 in
Weight	2.9Kg
Indicators	No LED indicators
Connectors	Shielded RJ-45, EIA 568A and 568B
	SFP Cage
Environmental Conditions	Operating Ambient Temperature: -40ºF to 122ºF (-40ºC to 50ºC) for 150 W
	Operating Humidity: Maximum 90%, Non-condensing
	Storage Temperature: -40ºF to 185ºF (–40ºC to 85ºC)
	Storage Humidity: Maximum 95%, Non-condensing
	Operating Altitude: Up to 6,560 ft. (2000 m)
	Weather Rating: IP66, NEMA 4X
Reliability	MTBF: 200,000 hrs. @25ºC
Thermal Rating	41 BTU/Hr (@240VAC)
Warranty	1-year
Regulatory Compliance	IEEE 802.3at (PoE), RoHS Compliant, WEEE Compliant, CE
Electromagnetic Emission & Immunity	FCC Part 15, Class B EN 55022 Class B EN 55024, EN61000-4-5 Class 5 (6kV CM) 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 & UL60950-22 GS Mark
Other Standards and Approvals	Dust and water intrusion: IEC60529, Level IP66; NEMA 250

PDS-104GO
4+1 Outdoor Switch, 60W per port, Managed PoE, AC Input

Ordering Information

Part Number	Name	Description
PDS-104GO/AC	Microsemi 104GO	4+1 PoE Outdoor Switch
PD-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 & 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 & 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, etc.
Ethernet Switch Network Capabilities	10M/100M/1000Mbit Half Duplex / Full Duplex Ethernet speed.
	8K internal MAC address lookup engine.
	Auto MDIX
	Jumbo frames
PoE Capabilities	IEEE 802.3at – delivers up to 60 Watts per port – View and statues.
	PoE Enable/Disable – Enable/ Disable PoE ports Power output (Ethernet data is always enabled).
	Weekly Schedule – 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

PDS-104GO
4+1 Outdoor Switch, 60W per port, Managed PoE, AC Input

4+1 PoE Outdoor Switch

Microsemi Corporation (Nasdaq: MSCC) offers a comprehensive portfolio of semiconductor and system solutions for communications, defense & security, aerospace and industrial markets. Products include high-performance and radiation-hardened analog mixed-signal integrated circuits, FPGAs, SoCs and ASICs; power management products; timing and synchronization devices and precise time solutions, setting the world's standard for time; voice processing devices; RF solutions; discrete components; security technologies and scalable anti-tamper products; Power-over-Ethernet ICs and midspans; as well as custom design capabilities and services. Microsemi is headquartered in Aliso Viejo, Calif., and has approximately 3,400 employees globally. Learn more at www.microsemi.com.

Microsemi Corporate Headquarters
One Enterprise, Aliso Viejo, CA 92656 USA
Within the USA: +1 (800) 713-4113
Outside the USA: +1 (949) 380-6100
Sales: +1 (949) 380-6136
Fax: +1 (949) 215-4996
email: sales.support@microsemi.com
www.microsemi.com